



# HFC/HFO(HCFC)

2025 CONDENSING UNIT

50HZ

CONDENSING UNITS

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UNIDADES CONDENSADORAS

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| - SERIE HUA        | 3   |
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# HUA SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUA

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUA range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUA range are highly efficient with special profile aluminum fins and Ø7 mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**"Floating" system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUA SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUA

La unidad condensadora HUA está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUA son de alta eficiencia con aletas de aluminio de perfil especial y Ø7 mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema "flotante" evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUA 4501Z03P MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- P: Condenser length plus (None: Condenser length standard)/  
P: Largo adicional del condensador (Ninguno: Largo del  
condensador estándar)
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Tropical condenser coil with copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Hermetic scroll or reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Solenoid valve on liquid line.
- ▶ Filter drier on liquid line.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Shutoff valves for liquid and suction line.
- ▶ Ziehl-Abegg or Maer axial fan motors.
- ▶ Manometers.

**Optional items:**

- ▶ Fan speed controller based on condenser pressure.
- ▶ Oil separator.
- ▶ Crankcase heater.
- ▶ Built in electric control panel.
- ▶ Suction accumulator.
- ▶ Different voltage & gas.
- ▶ Safety relief valve.
- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Condensador tropicalizado.
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor Scroll o hermetico de pistones.
- ▶ Doble presostato con rearme automatico.
- ▶ Válvula selenoide en línea de líquido.
- ▶ Filtro deshidratador en línea de líquido.
- ▶ Visor de liquido.
- ▶ Recipiente de liquido (calderin).
- ▶ Válvulas de servicio en línea de líquido y aspiración.
- ▶ Ventilador axial Ziehl-Abegg o Maer.
- ▶ Manómetros.

**Accesorios opcionales:**

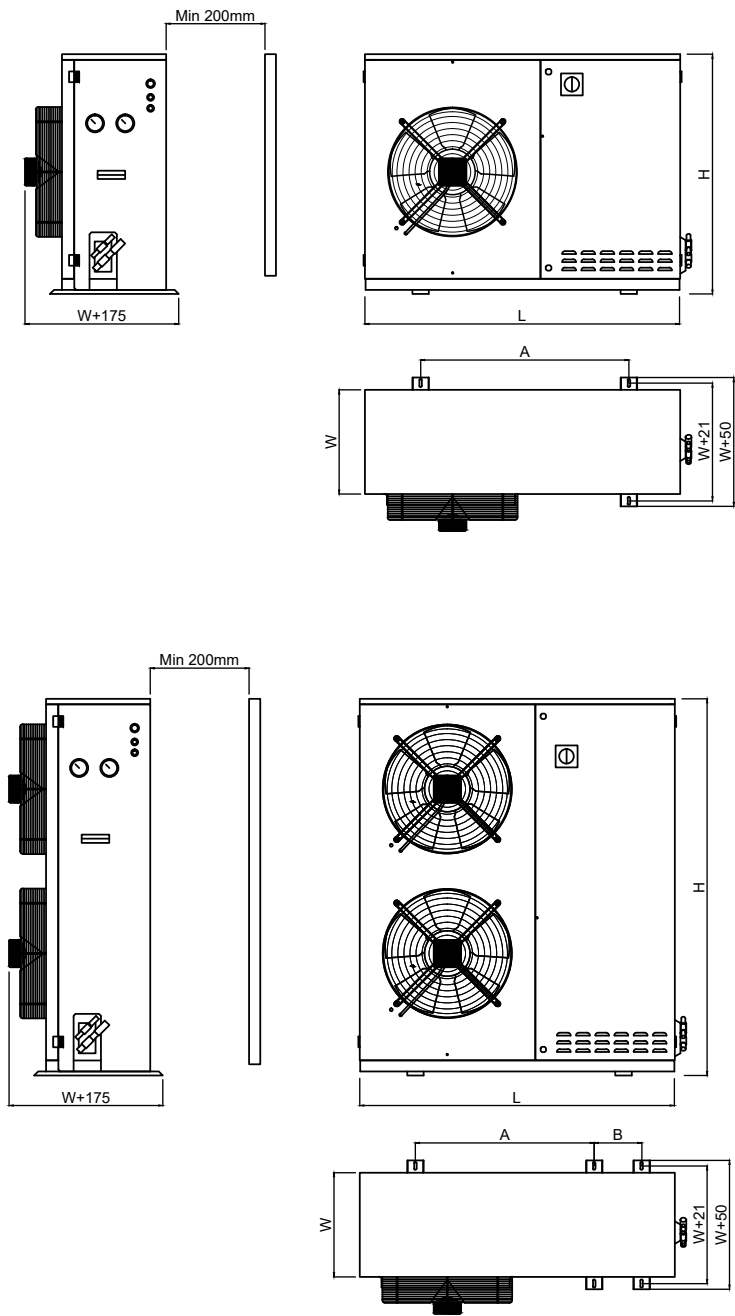
- ▶ Control de velocidad, según la condensación.
- ▶ Separador de aceite.
- ▶ Resistencia de carter.
- ▶ Panel eléctrico de control.
- ▶ Acumulador de succión.
- ▶ Diferente voltaje & gas.
- ▶ Válvula de seguridad homologada.
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie | Dimensions / dimensiones(mm) |     |      |      |
|----------------|------------------------------|-----|------|------|
|                | L                            | W   | A    | H    |
| HUA 3501...    | 900                          | 395 | 441  | 475  |
| HUA 4001...    | 1000                         | 395 | 541  | 525  |
| HUA 4501...    | 1000                         | 395 | 541  | 675  |
| HUA 4501P...   | 1150                         | 395 | 646  | 875  |
| HUA 5001...    | 1150                         | 395 | 646  | 975  |
| HUA 5002...    | 1300                         | 400 | 786  | 1275 |
| HUA 5002P...   | 1500                         | 445 | 986  | 1275 |
| HUA 5502P...   | 1700                         | 550 | 1116 | 1475 |

R404A / R507A



| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A               |                            |      | dBA                   | inch | inch                                    |   |
| HUA 3501Z02 MS | SC10MLX                  | 1/2   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 37   | 4.3                                     | 1 |
| HUA 3501Z03 MS | SC12MLX                  | 3/4   | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 37   | 4.8                                     | 1 |
| HUA 4001Z02 MS | SC15MLX                  | 3/4   | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 1/2"                  | 42   | 5.7                                     | 1 |
| HUA 4001Z03 MS | SC18MLX                  | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 1/2"                  | 43   | 5.4                                     | 2 |
| HUA 4001Z03 MS | SC18MLX.3                | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 1/2"                  | 43   | 5.1                                     | 2 |
| HUA 4501Z03 MS | GS26MLX                  | 1 1/2 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20            | 50                         | 3/8" | 5/8"                  | 55   | 9.1                                     | 2 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA 3501Z02 MS | SC10MLX                  | 1/2   | 1.32                                                        | 1.10 | 0.91 | 0.74  | 0.59  |
| HUA 3501Z03 MS | SC12MLX                  | 3/4   | 1.59                                                        | 1.33 | 1.10 | 0.90  | 0.72  |
| HUA 4001Z02 MS | SC15MLX                  | 3/4   | 1.99                                                        | 1.66 | 1.37 | 1.12  | 0.90  |
| HUA 4001Z03 MS | SC18MLX                  | 1     | 2.31                                                        | 1.93 | 1.59 | 1.30  | 1.05  |
| HUA 4001Z03 MS | SC18MLX.3                | 1     | 2.40                                                        | 2.00 | 1.66 | 1.36  | 1.11  |
| HUA 4501Z03 MS | GS26MLX                  | 1 1/2 | 3.28                                                        | 2.80 | 2.31 | 1.89  | 1.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA 3501Z02 LS | SC10CLX                  | 1/2 | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 37                    | 2.8  | 1                                       |
| HUA 3501Z02 LS | SC12CLX.2                | 1/2 | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 37                    | 3.7  | 1                                       |
| HUA 3501Z03 LS | SC15CLX.2                | 3/4 | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 1/2" | 38                    | 4.2  | 1                                       |
| HUA 4001Z02 LS | SC18CLX.2                | 3/4 | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 42                    | 4.8  | 1                                       |
| HUA 4001Z03 LS | SC21CL                   | 1   | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 43                    | 4.5  | 2                                       |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 3501Z02 LS | SC10CLX                  | 1/2 | 0.68                                                        | 0.54  | 0.41  | 0.30  | 0.21  |
| HUA 3501Z02 LS | SC12CLX.2                | 1/2 | 0.90                                                        | 0.73  | 0.58  | 0.45  | 0.34  |
| HUA 3501Z03 LS | SC15CLX.2                | 3/4 | 1.09                                                        | 0.89  | 0.70  | 0.55  | 0.41  |
| HUA 4001Z02 LS | SC18CLX.2                | 3/4 | 1.27                                                        | 1.03  | 0.82  | 0.64  | 0.48  |
| HUA 4001Z03 LS | SC21CL                   | 1   | 1.39                                                        | 1.12  | 0.88  | 0.68  | 0.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A               | dBA                        | inch | inch                  | Kg   |                                         | A |
| HUA 3501Z02 MS | NEU6212GK                | 1/2   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 34   | 3.2                                     | 1 |
| HUA 3501Z03 MS | NEU6215GK                | 3/4   | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 36   | 4.3                                     | 1 |
| HUA 4001Z02 MS | NEU6220GK                | 3/4   | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1~230                       | 108                      | 0.52            | 39                         | 1/4" | 3/8"                  | 40   | 5.3                                     | 1 |
| HUA 4001Z03 MS | NT6222GK                 | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 39                         | 1/4" | 1/2"                  | 46   | 5.5                                     | 2 |
| HUA 4001Z03 MS | NT6226GK                 | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 1/2"                  | 46   | 6.8                                     | 2 |
| HUA 4501Z02 MS | NJ9232GK                 | 1 1/4 | 5.99                             | 10                     | 1x400                                          | 3475 | 6     | 1~230                       | 260                      | 1.20            | 52                         | 1/4" | 1/2"                  | 54   | 7.5                                     | 2 |
| HUA 4501Z03 MS | NJ9238GK                 | 1 1/2 | 7.45                             | 15                     | 1x400                                          | 3062 | 6     | 1~230                       | 260                      | 1.20            | 52                         | 1/4" | 1/2"                  | 56   | 9.5                                     | 2 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA 3501Z02 MS | NEU6212GK                | 1/2   | 1.21                                                        | 1.02 | 0.84 | 0.69  | 0.56  |
| HUA 3501Z03 MS | NEU6215GK                | 3/4   | 1.66                                                        | 1.40 | 1.17 | 0.97  | 0.79  |
| HUA 4001Z02 MS | NEU6220GK                | 3/4   | 1.94                                                        | 1.64 | 1.37 | 1.13  | 0.92  |
| HUA 4001Z03 MS | NT6222GK                 | 1     | 2.13                                                        | 1.78 | 1.46 | 1.19  | 0.96  |
| HUA 4001Z03 MS | NT6226GK                 | 1     | 2.83                                                        | 2.36 | 1.95 | 1.59  | 1.27  |
| HUA 4501Z02 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.62 | 2.11 | 1.66  | 1.27  |
| HUA 4501Z03 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.20 | 2.65 | 2.15  | 1.72  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

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| LBP            | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA 3501Z02 LS | EHU2150GK                | 3/4   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 33                    | 3.2  | 1                                       |
| HUA 3501Z02 LS | EHU2160GK                | 3/4   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 33                    | 3.4  | 1                                       |
| HUA 3501Z03 LS | NEU2168GKA               | 3/4   | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 36                    | 4.5  | 1                                       |
| HUA 4001Z02 LS | NEU2178GKA               | 1     | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 3/8" | 40                    | 4.8  | 2                                       |
| HUA 4001Z03 LS | NEX2183GKA               | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 3/8" | 40                    | 4.6  | 2                                       |
| HUA 4001Z03 LS | NJ2192GJ                 | 1 1/4 | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 51                    | 6.3  | 2                                       |
| HUA 4501Z03 LS | NJ2212GJ                 | 1 1/2 | 7.45                             | 15                     | 1x400                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 52              | 1/4"                       | 1/2" | 55                    | 8.3  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 3501Z02 LS | EHU2150GK                | 3/4   | 0.87                                                        | 0.71  | 0.57  | 0.45  | 0.35  |
| HUA 3501Z02 LS | EHU2160GK                | 3/4   | 0.98                                                        | 0.80  | 0.64  | 0.51  | 0.40  |
| HUA 3501Z03 LS | NEU2168GKA               | 3/4   | 1.05                                                        | 0.85  | 0.68  | 0.53  | 0.40  |
| HUA 4001Z02 LS | NEU2178GKA               | 1     | 1.23                                                        | 1.02  | 0.82  | 0.65  | 0.50  |
| HUA 4001Z03 LS | NEX2183GKA               | 1     | 1.31                                                        | 1.07  | 0.86  | 0.68  | 0.52  |
| HUA 4001Z03 LS | NJ2192GJ                 | 1 1/4 | 1.76                                                        | 1.43  | 1.13  | 0.87  | 0.65  |
| HUA 4501Z03 LS | NJ2212GJ                 | 1 1/2 | 2.24                                                        | 1.84  | 1.47  | 1.14  | 0.85  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |        |                       |      |                                         |
| HUA 4501Z03 MS  | ZB11KNE-PFZ              | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 48              | 3/8"                       | 3/4"   | 55                    | 9.8  | 2                                       |
| HUA 4501Z03 MT  | ZB11KNE-TFD              | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 48              | 3/8"                       | 3/4"   | 55                    | 4.7  | 2                                       |
| HUA 4501Z04 MS  | ZB15KQE-PFJ              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 58                    | 14.0 | 4                                       |
| HUA 4501Z04 MT  | ZB15KQE-TFD              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 58                    | 6.1  | 4                                       |
| HUA 4501Z03P MS | ZB19KQE-PFJ              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 70                    | 13.6 | 4                                       |
| HUA 4501Z03P MT | ZB19KQE-TFD              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 70                    | 7.7  | 4                                       |
| HUA 5001Z03 MS  | ZB21KQE-PFJ              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 75                    | 17.7 | 4                                       |
| HUA 5001Z03 MT  | ZB21KQE-TFD              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 75                    | 8.5  | 4                                       |
| HUA 5001Z04 MT  | ZB26KQE-TFD              | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 77                    | 10.2 | 4                                       |
| HUA 5001Z04 MT  | ZB29KQE-TFD              | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 99                    | 11.3 | 6                                       |
| HUA 5002Z03 MT  | ZB38KQE-TFD              | 5   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 104                   | 15.4 | 6                                       |
| HUA 5002Z04 MT  | ZB45KQE-TFD              | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 108                   | 15.7 | 8                                       |
| HUA 5002Z04 MT  | ZB48KQE-TFD              | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 108                   | 16.6 | 8                                       |
| HUA 5002Z04P MT | ZB58KQE-TFD              | 8   | 29.07                            | 88                     | 2x500                                          | 8659 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 121                   | 18.5 | 10                                      |
| HUA 5002Z05P MT | ZB76KQE-TFD              | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 130                   | 23.0 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA 4501Z03 MS  | ZB11KNE-PFZ              | 1.5 | 2.77                                                        | 2.31  | 1.90  | 1.56  |
| HUA 4501Z03 MT  | ZB11KNE-TFD              | 1.5 | 2.73                                                        | 2.28  | 1.88  | 1.54  |
| HUA 4501Z04 MS  | ZB15KQE-PFJ              | 2   | 3.80                                                        | 3.17  | 2.61  | 2.13  |
| HUA 4501Z04 MT  | ZB15KQE-TFD              | 2   | 3.60                                                        | 2.95  | 2.37  | 1.84  |
| HUA 4501Z03P MS | ZB19KQE-PFJ              | 2.5 | 4.39                                                        | 3.65  | 3.01  | 2.46  |
| HUA 4501Z03P MT | ZB19KQE-TFD              | 2.5 | 4.58                                                        | 3.81  | 3.14  | 2.56  |
| HUA 5001Z03 MS  | ZB21KQE-PFJ              | 3   | 5.62                                                        | 4.67  | 3.85  | 3.14  |
| HUA 5001Z03 MT  | ZB21KQE-TFD              | 3   | 5.50                                                        | 4.58  | 3.77  | 3.08  |
| HUA 5001Z04 MT  | ZB26KQE-TFD              | 3.5 | 6.43                                                        | 5.35  | 4.41  | 3.60  |
| HUA 5001Z04 MT  | ZB29KQE-TFD              | 4   | 7.46                                                        | 6.21  | 5.12  | 4.17  |
| HUA 5002Z03 MT  | ZB38KQE-TFD              | 5   | 9.42                                                        | 7.83  | 6.46  | 5.26  |
| HUA 5002Z04 MT  | ZB45KQE-TFD              | 6   | 11.05                                                       | 9.17  | 7.56  | 6.17  |
| HUA 5002Z04 MT  | ZB48KQE-TFD              | 7   | 12.15                                                       | 10.10 | 8.23  | 6.78  |
| HUA 5002Z04P MT | ZB58KQE-TFD              | 8   | 14.70                                                       | 12.10 | 9.68  | 7.41  |
| HUA 5002Z05P MT | ZB76KQE-TFD              | 10  | 19.60                                                       | 16.25 | 13.30 | 10.65 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch | Kg                    | A    | L                                       |
| HUA 4501Z04 LS  | ZSI06KQE-PFS             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 57                    | 14.8 | 4                                       |
| HUA 4501Z04 LT  | ZSI06KQE-TFP             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 57                    | 6.9  | 4                                       |
| HUA 4501Z03P LS | ZSI08KQE-PFS             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 67                    | 16.8 | 4                                       |
| HUA 4501Z03P LT | ZSI08KQE-TFP             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 67                    | 7.3  | 4                                       |
| HUA 4501Z03P LT | ZSI09KQE-TFP             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 69                    | 7.9  | 4                                       |
| HUA 5001Z04 LT  | ZSI11KQE-TFP             | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 50              | 1/2"                       | 7/8" | 77                    | 8.8  | 4                                       |
| HUA 5001Z05 LT  | ZSI14KQE-TFP             | 4   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1-230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8" | 95                    | 10.5 | 6                                       |
| HUA 5002Z02 LT  | ZSI15KQE-TFP             | 5   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 97                    | 14.5 | 6                                       |
| HUA 5002Z04 LT  | ZSI18KQE-TFP             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 105                   | 15.8 | 8                                       |
| HUA 5002Z04 LT  | ZSI21KQE-TFP             | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 105                   | 17.2 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LS  | ZSI06KQE-PFS             | 2   | 3.31                                                        | 2.73  | 2.24  | 1.82  | 1.47  |
| HUA 4501Z04 LT  | ZSI06KQE-TFP             | 2   | 3.18                                                        | 2.60  | 2.11  | 1.69  | 1.33  |
| HUA 4501Z03P LS | ZSI08KQE-PFS             | 2.5 | 3.39                                                        | 3.25  | 2.66  | 2.15  | 1.72  |
| HUA 4501Z03P LT | ZSI08KQE-TFP             | 2.5 | 3.85                                                        | 3.17  | 2.59  | 2.11  | 1.71  |
| HUA 4501Z03P LT | ZSI09KQE-TFP             | 3   | 4.29                                                        | 3.55  | 2.90  | 2.32  | 1.80  |
| HUA 5001Z04 LT  | ZSI11KQE-TFP             | 3.5 | 5.54                                                        | 4.61  | 3.82  | 3.10  | 2.42  |
| HUA 5001Z05 LT  | ZSI14KQE-TFP             | 4   | 7.02                                                        | 5.79  | 4.73  | 3.83  | 3.07  |
| HUA 5002Z02 LT  | ZSI15KQE-TFP             | 5   | 7.93                                                        | 6.64  | 5.52  | 4.51  | 3.54  |
| HUA 5002Z04 LT  | ZSI18KQE-TFP             | 6   | 9.63                                                        | 8.01  | 6.62  | 5.41  | 4.38  |
| HUA 5002Z04 LT  | ZSI21KQE-TFP             | 7   | 10.78                                                       | 8.97  | 7.39  | 6.05  | 4.91  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    |                 | dBA                        | inch   |                       |      |                                         |
| HUA 4501Z04 LT  | ZF06KQE-TFD              | 2   | 8.23                             | 20                     | 1x450                                          | 2706  | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 57                    | 6.2  | 4                                       |
| HUA 4501Z03P LT | ZF08KQE-TFD              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981  | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 67                    | 7.2  | 4                                       |
| HUA 5001Z03 LT  | ZF09KQE-TFD              | 3   | 12.38                            | 31                     | 1x500                                          | 4475  | 6     | 1~230                       | 290                      | 1.30 | 50              | 1/2"                       | 3/4"   | 69                    | 7.3  | 4                                       |
| HUA 5001Z04 LT  | ZF11KQE-TFD              | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232  | 6     | 1~230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8"   | 77                    | 8.4  | 4                                       |
| HUA 5001Z04 LT  | ZF13KQE-TFD              | 4   | 13.99                            | 41                     | 1x500                                          | 4232  | 6     | 1~230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8"   | 95                    | 9.3  | 6                                       |
| HUA 5002Z03 LT  | ZF15KQE-TFD              | 5   | 22.03                            | 51                     | 2x500                                          | 8489  | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 97                    | 12.6 | 6                                       |
| HUA 5002Z04 LT  | ZF18KQE-TFD              | 6   | 25.28                            | 69                     | 2x500                                          | 7932  | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 105                   | 15.1 | 8                                       |
| HUA 5002Z04P LT | ZF25KQE-TFD              | 7.5 | 29.07                            | 88                     | 2x500                                          | 8659  | 6     | 1~230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 110                   | 16.3 | 8                                       |
| HUA 5502Z03P LT | ZF34KQE-TFD              | 10  | 38.00                            | 86                     | 2x550                                          | 13996 | 6     | 3~400                       | 590                      | 1.38 | 54              | 5/8"                       | 1 3/8" | 166                   | 26.4 | 15                                      |
| HUA 5502Z05P LT | ZF41KQE-TFD              | 13  | 46.84                            | 143                    | 2x550                                          | 12771 | 6     | 3~400                       | 590                      | 1.38 | 54              | 5/8"                       | 1 3/8" | 175                   | 30.4 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LT  | ZF06KQE-TFD              | 2   | 3.09                                                        | 2.52  | 2.04  | 1.64  | 1.3   |
| HUA 4501Z03P LT | ZF08KQE-TFD              | 2.5 | 3.79                                                        | 3.09  | 2.51  | 2.01  | 1.6   |
| HUA 5001Z03 LT  | ZF09KQE-TFD              | 3   | 4.19                                                        | 3.42  | 2.77  | 2.23  | 1.78  |
| HUA 5001Z04 LT  | ZF11KQE-TFD              | 3.5 | 5.21                                                        | 4.25  | 3.45  | 2.78  | 2.23  |
| HUA 5001Z04 LT  | ZF13KQE-TFD              | 4   | 6.44                                                        | 5.35  | 4.42  | 3.62  | 2.95  |
| HUA 5002Z03 LT  | ZF15KQE-TFD              | 5   | 7.86                                                        | 6.53  | 5.4   | 4.44  | 3.63  |
| HUA 5002Z04 LT  | ZF18KQE-TFD              | 6   | 9.4                                                         | 7.83  | 6.5   | 5.37  | 4.41  |
| HUA 5002Z04P LT | ZF25KQE-TFD              | 7.5 | 11.8                                                        | 9.96  | 8.28  | 6.79  | 5.5   |
| HUA 5502Z03P LT | ZF34KQE-TFD              | 10  | 15.6                                                        | 13    | 10.8  | 8.9   | 7.25  |
| HUA 5502Z05P LT | ZF41KQE-TFD              | 13  | 19.05                                                       | 15.95 | 13.3  | 11.05 | 9.06  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP             | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUA 5002Z04P LT | ZFI20KQE-TFD             | 4  | 29.07                            | 88                     | 2x500                                          | 8659  | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 112                   | 11.6 | 6                                       |
| HUA 5002Z05P LT | ZFI26KQE-TFD             | 6  | 30.92                            | 110                    | 2x500                                          | 8259  | 6     | 1-230                       | 580                      | 2.6  | 53              | 1/2"                       | 7/8" | 117                   | 16.3 | 8                                       |
| HUA 5502Z03P LT | ZFI36KQE-TFD             | 8  | 38.00                            | 86                     | 2x550                                          | 13996 | 6     | 3~400                       | 590                      | 1.38 | 52              | 5/8"                       | 7/8" | 165                   | 17.4 | 10                                      |
| HUA 5502Z04P LT | ZFI39KQE-TFD             | 10 | 43.64                            | 114                    | 2x550                                          | 13429 | 6     | 3~400                       | 590                      | 1.38 | 54              | 5/8"                       | 7/8" | 178                   | 19.5 | 15                                      |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 5002Z04P LT | ZFI20KQE-TFD             | 4  | 9.73                                                        | 8.17  | 6.8   | 5.62  | 4.59  |
| HUA 5002Z05P LT | ZFI26KQE-TFD             | 6  | 13.7                                                        | 11.6  | 9.83  | 8.31  | 7.03  |
| HUA 5502Z03P LT | ZFI36KQE-TFD             | 8  | 16.5                                                        | 14.3  | 12.25 | 10.45 | 8.81  |
| HUA 5502Z04P LT | ZFI39KQE-TFD             | 10 | 18.95                                                       | 16.4  | 14.05 | 11.95 | 10.1  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUA 5001Z03 MT | ZBD21KQE-TFD             | 3  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4" | 75                    | 6.80  | 4                                       |
| HUA 5001Z04 MT | ZBD29KQE-TFD             | 4  | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8" | 99                    | 9.20  | 6                                       |
| HUA 5002Z03 MT | ZBD38KQE-TFD             | 5  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 104                   | 13.90 | 6                                       |
| HUA 5002Z04 MT | ZBD45KQE-TFD             | 6  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 14.00 | 8                                       |
| HUA 5002Z04 MT | ZBD48KQE-TFD             | 7  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 16.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                |                          |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA 5001Z03 MT | ZBD21KQE-TFD             | 3  | 5.57                                                        | 4.65  | 3.81  | 3.06  |
| HUA 5001Z04 MT | ZBD29KQE-TFD             | 4  | 7.35                                                        | 6.14  | 5.10  | 4.20  |
| HUA 5002Z03 MT | ZBD38KQE-TFD             | 5  | 9.28                                                        | 7.76  | 6.45  | 5.33  |
| HUA 5002Z04 MT | ZBD45KQE-TFD             | 6  | 11.05                                                       | 9.23  | 7.67  | 6.34  |
| HUA 5002Z04 MT | ZBD48KQE-TFD             | 7  | 12.40                                                       | 10.40 | 8.63  | 7.13  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| HMBP            | Compressor/<br>Compresor |      | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp   | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dis=10m        | L                          | S    |                       |       |                                         |
|                 |                          |      |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUA 4001Z02 MS  | CAJ9510Z                 | 0.75 | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1-230                       | 125                      | 0.62 | 51              | 3/8"                       | 5/8" | 51                    | 8.62  | 2                                       |
| HUA 4001Z03 MT  | CAJ9513Z                 | 1    | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 125                      | 0.62 | 51              | 3/8"                       | 5/8" | 53                    | 10.72 | 2                                       |
| HUA 4501Z03 MT  | TAJ4519Z                 | 1.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 50              | 3/8"                       | 5/8" | 55                    | 6.00  | 2                                       |
| HUA 4501Z04 MS  | FH4524Z-XC3A             | 2    | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 70                    | 19.30 | 4                                       |
| HUA 4501Z04 MT  | FH4524Z-XG1A             | 2    | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 54              | 3/8"                       | 5/8" | 70                    | 7.50  | 4                                       |
| HUA 4501Z03P MS | FH4532Z-XC3A             | 2.5  | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 54              | 3/8"                       | 7/8" | 81                    | 27.50 | 4                                       |
| HUA 4501Z03P MT | FH4532Z-XG1A             | 2.5  | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 56              | 3/8"                       | 7/8" | 81                    | 9.40  | 4                                       |
| HUA 5001Z03 MT  | FH4538Z-XG1A             | 3    | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 59              | 1/2"                       | 7/8" | 85                    | 10.50 | 4                                       |
| HUA 5001Z04 MT  | TAG4546Z                 | 4    | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 63              | 1/2"                       | 7/8" | 96                    | 12.70 | 6                                       |
| HUA 5002Z03 MT  | TAG4561Z                 | 5    | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 117                   | 16.60 | 6                                       |
| HUA 5002Z04 MT  | TAG4568Z                 | 6    | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 120                   | 17.80 | 8                                       |
| HUA 5002Z04 MT  | TAG4573Z                 | 7    | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 63              | 1/2"                       | 7/8" | 121                   | 20.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |      | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-----------------|--------------------------|------|-------------------------------------------------------------|-------|------|-------|-------|
|                 | Model/<br>Modelo         | Hp   | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                 |                          |      | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUA 4001Z02 MS  | CAJ9510Z                 | 0.75 | 2.10                                                        | 1.69  | 1.34 | 1.05  | 0.80  |
| HUA 4001Z03 MT  | TAJ9513Z                 | 1    | 2.62                                                        | 2.08  | 1.62 | 1.24  | 0.92  |
| HUA 4501Z03 MT  | TAJ4519Z                 | 1.5  | 3.81                                                        | 3.07  | 2.44 | 1.91  | 1.45  |
| HUA 4501Z04 MS  | FH4524Z-XC3A             | 2    | 5.22                                                        | 4.25  | 3.40 | 2.64  | 1.96  |
| HUA 4501Z04 MT  | FH4524Z-XG1A             | 2    | 4.70                                                        | 3.70  | 2.86 | 2.13  | 1.52  |
| HUA 4501Z03P MS | FH4532Z-XC3A             | 2.5  | 6.03                                                        | 4.83  | 3.77 | 2.81  | 1.91  |
| HUA 4501Z03P MT | FH4532Z-XG1A             | 2.5  | 5.95                                                        | 4.72  | 3.68 | 2.80  | 2.04  |
| HUA 5001Z03 MT  | FH4538Z-XG1A             | 3    | 7.58                                                        | 6.06  | 4.77 | 3.68  | 2.73  |
| HUA 5001Z04 MT  | TAG4546Z                 | 4    | 8.86                                                        | 6.81  | 5.13 | 3.75  | 2.63  |
| HUA 5002Z03 MT  | TAG4561Z                 | 5    | 11.03                                                       | 8.62  | 6.62 | 4.95  | 3.56  |
| HUA 5002Z04 MT  | TAG4568Z                 | 6    | 12.95                                                       | 10.21 | 7.92 | 6.00  | 4.40  |
| HUA 5002Z04 MT  | TAG4573Z                 | 7    | 13.80                                                       | 10.88 | 8.47 | 6.46  | 4.80  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

Tecumseh

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |     |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|-----|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |     |
|                |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |       |                                         | dBA |
|                |                          |     |                                  |                        |                                                |      |       |                             |                          |      |                 | kW                         | m²   |                       |       |                                         |     |
| HUA 4001Z03 LS | CAJ2446Z                 | 1   | 5.17                             | 11                     | 1x450                                          | 2036 | 6     | 1~230                       | 125                      | 0.62 | 50              | 3/8"                       | 1/2" | 50                    | 8.52  | 2                                       |     |
| HUA 4501Z03 LT | TAJ2464Z                 | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 51                    | 4.50  | 2                                       |     |
| HUA 4501Z04 LS | FH2480Z-XC3A             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 68                    | 17.20 | 4                                       |     |
| HUA 4501Z04 LT | FH2480Z-XG1A             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 68                    | 6.00  | 4                                       |     |
| HUA 5001Z03 LS | FH2511Z-XC3A             | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 55              | 1/2"                       | 5/8" | 84                    | 25.30 | 4                                       |     |
| HUA 5001Z03 LT | FH2511Z-XG1A             | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 58              | 1/2"                       | 5/8" | 84                    | 6.30  | 4                                       |     |
| HUA 5001Z04 LT | TAG2516Z                 | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 55              | 1/2"                       | 7/8" | 116                   | 11.11 | 6                                       |     |
| HUA 5002Z04 LT | TAG2522Z                 | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 58              | 1/2"                       | 7/8" | 120                   | 15.10 | 8                                       |     |
| HUA 5002Z04 LT | TAG2525Z                 | 6.5 | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 125                   | 15.90 | 8                                       |     |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
|                |                          |     |                                                             |       |       |       |       |
| HUA 4001Z03 LS | CAJ2446Z                 | 1   | 1.45                                                        | 1.13  | 0.86  | 0.64  | 0.45  |
| HUA 4501Z03 LT | TAJ2464Z                 | 1.5 | 1.86                                                        | 1.45  | 1.10  | 0.82  | 0.60  |
| HUA 4501Z04 LS | FH2480Z-XC3A             | 2   | 2.82                                                        | 2.17  | 1.63  | 1.18  | 0.79  |
| HUA 4501Z04 LT | FH2480Z-XG1A             | 2   | 2.70                                                        | 2.11  | 1.61  | 1.18  | 0.81  |
| HUA 5001Z03 LS | FH2511Z-XC3A             | 3   | 3.90                                                        | 3.00  | 2.24  | 1.61  | 1.10  |
| HUA 5001Z03 LT | FH2511Z-XG1A             | 3   | 3.90                                                        | 2.97  | 2.20  | 1.59  | 1.09  |
| HUA 5001Z04 LT | TAG2516Z                 | 4   | 5.67                                                        | 4.32  | 3.21  | 2.30  | 1.59  |
| HUA 5002Z04 LT | TAG2522Z                 | 6   | 6.98                                                        | 5.29  | 3.92  | 2.83  | 1.95  |
| HUA 5002Z04 LT | TAG2525Z                 | 6.5 | 7.48                                                        | 5.75  | 4.33  | 3.16  | 2.20  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S      |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch   |                       |       |                                         |
| HUA 4501Z04 MS  | YM34E2G-100              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 63                    | 17.40 | 4                                       |
| HUA 4501Z04 MT  | YM34E1G-100              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 63                    | 6.40  | 4                                       |
| HUA 4501Z03P MS | YM43E2G-100              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 76                    | 18.40 | 4                                       |
| HUA 4501Z03P MT | YM43E1G-100              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 76                    | 7.80  | 4                                       |
| HUA 5001Z03 MS  | YM49E2G-100              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 78                    | 20.30 | 4                                       |
| HUA 5001Z03 MT  | YM49E1G-100              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 78                    | 10.30 | 4                                       |
| HUA 5001Z04 MT  | YM70E1G-100              | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 90                    | 11.30 | 6                                       |
| HUA 5002Z03 MT  | YM86E1G-100              | 5   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.6 | 52              | 1/2"                       | 7/8"   | 92                    | 15.40 | 6                                       |
| HUA 5002Z04 MT  | YM102E1G-100             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.6 | 52              | 1/2"                       | 7/8"   | 96                    | 17.10 | 8                                       |
| HUA 5002Z04 MT  | YM125E1G-100             | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.6 | 52              | 5/8"                       | 1 1/8" | 97                    | 20.10 | 8                                       |
| HUA 5002Z04P MT | YM132E1G-100             | 8   | 29.07                            | 88                     | 2x500                                          | 8659 | 6     | 1-230                       | 580                      | 2.6 | 54              | 5/8"                       | 1 1/8" | 121                   | 21.00 | 10                                      |
| HUA 5002Z05P MT | YM182E1G-100             | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1-230                       | 580                      | 2.6 | 53              | 5/8"                       | 1 1/8" | 130                   | 26.20 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                 |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUA 4501Z04 MS  | YM34E2G-100              | 2   | 5.48                                                        | 4.64  | 3.91  | 3.28  | 2.73  | 2.25  |
| HUA 4501Z04 MT  | YM34E1G-100              | 2   | 5.48                                                        | 4.64  | 3.91  | 3.28  | 2.73  | 2.25  |
| HUA 4501Z03P MS | YM43E2G-100              | 2.5 | 6.55                                                        | 5.54  | 4.67  | 3.92  | 3.26  | 2.69  |
| HUA 4501Z03P MT | YM43E1G-100              | 2.5 | 6.55                                                        | 5.54  | 4.67  | 3.92  | 3.26  | 2.69  |
| HUA 5001Z03 MS  | YM49E2G-100              | 3   | 7.46                                                        | 6.32  | 5.32  | 4.46  | 3.72  | 3.07  |
| HUA 5001Z03 MT  | YM49E1G-100              | 3   | 7.46                                                        | 6.32  | 5.32  | 4.46  | 3.72  | 3.07  |
| HUA 5001Z04 MT  | YM70E1G-100              | 4   | 10.66                                                       | 9.02  | 7.60  | 6.38  | 5.31  | 4.38  |
| HUA 5002Z03 MT  | YM86E1G-100              | 5   | 13.10                                                       | 11.09 | 9.34  | 7.83  | 6.53  | 5.38  |
| HUA 5002Z04 MT  | YM102E1G-100             | 6   | 15.54                                                       | 13.15 | 11.08 | 9.29  | 7.74  | 6.39  |
| HUA 5002Z04 MT  | YM125E1G-100             | 7   | 19.04                                                       | 16.11 | 13.58 | 11.39 | 9.49  | 7.83  |
| HUA 5002Z04P MT | YM132E1G-100             | 8   | 20.11                                                       | 17.02 | 14.34 | 12.02 | 10.02 | 8.26  |
| HUA 5002Z05P MT | YM182E1G-100             | 10  | 27.72                                                       | 23.46 | 19.77 | 16.58 | 13.81 | 11.40 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch |                       |       |                                         |
| HUA 4501Z04 LS  | YF13E2G-Q100             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2 | 53              | 3/8"                       | 7/8" | 63                    | 14.74 | 4                                       |
| HUA 4501Z04 LT  | YF13E1G-Q100             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 63                    | 5.34  | 4                                       |
| HUA 4501Z03P LS | YF17E2G-Q100             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 76                    | 15.54 | 4                                       |
| HUA 4501Z03P LT | YF17E1G-Q100             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 76                    | 6.54  | 4                                       |
| HUA 4501Z03P LS | YF20E2G-Q100             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 52              | 1/2"                       | 7/8" | 78                    | 17.40 | 4                                       |
| HUA 4501Z03P LT | YF20E1G-Q100             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 52              | 1/2"                       | 7/8" | 78                    | 7.00  | 4                                       |
| HUA 5001Z05 LT  | YF29E1G-Q100             | 4   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.3 | 57              | 1/2"                       | 7/8" | 90                    | 10.10 | 6                                       |
| HUA 5002Z02 LT  | YF35E1G-Q100             | 5   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.6 | 58              | 1/2"                       | 7/8" | 92                    | 12.90 | 6                                       |
| HUA 5002Z04 LT  | YF41E1G-Q100             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.6 | 59              | 1/2"                       | 7/8" | 96                    | 14.70 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LS  | YF13E2G-Q100             | 2   | 2.94                                                        | 2.45  | 2.02  | 1.66  | 1.34  |
| HUA 4501Z04 LT  | YF13E1G-Q100             | 2   | 2.94                                                        | 2.45  | 2.02  | 1.66  | 1.34  |
| HUA 4501Z03P LS | YF17E2G-Q100             | 2.5 | 3.75                                                        | 3.13  | 2.58  | 2.12  | 1.72  |
| HUA 4501Z03P LT | YF17E1G-Q100             | 2.5 | 3.75                                                        | 3.13  | 2.58  | 2.12  | 1.72  |
| HUA 4501Z03P LS | YF20E2G-Q100             | 3   | 4.41                                                        | 3.67  | 3.04  | 2.48  | 2.02  |
| HUA 4501Z03P LT | YF20E1G-Q100             | 3   | 4.41                                                        | 3.67  | 3.04  | 2.48  | 2.02  |
| HUA 5001Z05 LT  | YF29E1G-Q100             | 4   | 6.67                                                        | 5.56  | 4.59  | 3.76  | 3.05  |
| HUA 5002Z02 LT  | YF35E1G-Q100             | 5   | 7.91                                                        | 6.60  | 5.45  | 4.46  | 3.62  |
| HUA 5002Z04 LT  | YF41E1G-Q100             | 6   | 9.27                                                        | 7.73  | 6.38  | 5.22  | 4.24  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch |                       |       |                                         |
| HUA 4502Z02 MT | YIM38E1G-100             | 3  | 16.78                            | 34                     | 2x450                                          | 8312 | 6     | 1-230                       | 520                      | 2.4 | 53              | 3/8"                       | 7/8" | 85                    | 15.70 | 4                                       |
| HUA 4502Z02 MT | YIM42E1G-100             | 4  | 16.78                            | 34                     | 2x450                                          | 8312 | 6     | 1-230                       | 520                      | 2.4 | 53              | 3/8"                       | 7/8" | 85                    | 15.70 | 6                                       |
| HUA 5002Z02 MT | YIM50E1G-100             | 5  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 88                    | 15.90 | 6                                       |
| HUA 5002Z03 MT | YIM60E1G-100             | 6  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 92                    | 15.90 | 8                                       |
| HUA 5002Z04 MT | YIM72E1G-100             | 7  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 96                    | 18.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUA 4502Z02 MT | YIM38E1G-100             | 3  | 8.99                                                        | 7.71  | 6.57  | 5.55  | 4.57  | 3.60  |
| HUA 4502Z02 MT | YIM42E1G-100             | 4  | 9.94                                                        | 8.52  | 7.27  | 6.13  | 5.05  | 3.98  |
| HUA 5002Z02 MT | YIM50E1G-100             | 5  | 11.83                                                       | 10.14 | 8.65  | 7.30  | 6.02  | 4.74  |
| HUA 5002Z03 MT | YIM60E1G-100             | 6  | 14.20                                                       | 12.17 | 10.38 | 8.76  | 7.22  | 5.69  |
| HUA 5002Z04 MT | YIM72E1G-100             | 7  | 17.04                                                       | 14.60 | 12.46 | 10.51 | 8.66  | 6.83  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A   |                 | dBA                        | inch |                       |       |                                         |
| HUA 4502Z02 LT | YIF50E1G-Q100            | 5  | 16.78                            | 34                     | 2x450                                          | 8312 | 6     | 1~230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 88                    | 13.90 | 6                                       |
| HUA 5002Z03 LT | YIF60E1G-Q100            | 6  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 92                    | 16.10 | 8                                       |
| HUA 5002Z04 LT | YIF72E1G-Q100            | 7  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 96                    | 18.90 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4502Z02 LT | YIF50E1G-Q100            | 5  | 7.31                                                        | 6.10  | 5.04  | 4.12  | 3.34  |
| HUA 5002Z03 LT | YIF60E1G-Q100            | 6  | 8.77                                                        | 7.32  | 6.04  | 4.94  | 4.01  |
| HUA 5002Z04 LT | YIF72E1G-Q100            | 7  | 10.53                                                       | 8.78  | 7.25  | 5.93  | 4.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA 3501Z02 MS | NEU6212GK                | 1/2   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 34                    | 3.2  | 1                                       |
| HUA 3501Z03 MS | NEU6215GK                | 3/4   | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1-230                       | 74                       | 0.37 | 39              | 1/4"                       | 3/8" | 36                    | 4.3  | 1                                       |
| HUA 4001Z02 MS | NEU6220GK                | 3/4   | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1-230                       | 108                      | 0.52 | 39              | 1/4"                       | 3/8" | 40                    | 5.3  | 1                                       |
| HUA 4001Z03 MS | NT6222GK                 | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 108                      | 0.52 | 39              | 1/4"                       | 1/2" | 46                    | 5.5  | 2                                       |
| HUA 4001Z03 MS | NT6226GK                 | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 46                    | 6.8  | 2                                       |
| HUA 4501Z02 MS | NJ9232GK                 | 1 1/4 | 5.99                             | 10                     | 1x400                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 52              | 1/4"                       | 1/2" | 54                    | 7.5  | 2                                       |
| HUA 4501Z03 MS | NJ9238GK                 | 1 1/2 | 7.45                             | 15                     | 1x400                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 52              | 1/4"                       | 1/2" | 56                    | 9.5  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA 3501Z02 MS | NEU6212GK                | 1/2   | 1.15                                                        | 0.97 | 0.80 | 0.66  | 0.53  |
| HUA 3501Z03 MS | NEU6215GK                | 3/4   | 1.58                                                        | 1.33 | 1.11 | 0.92  | 0.75  |
| HUA 4001Z02 MS | NEU6220GK                | 3/4   | 1.85                                                        | 1.56 | 1.30 | 1.07  | 0.87  |
| HUA 4001Z03 MS | NT6222GK                 | 1     | 2.02                                                        | 1.69 | 1.39 | 1.13  | 0.91  |
| HUA 4001Z03 MS | NT6226GK                 | 1     | 2.69                                                        | 2.25 | 1.85 | 1.51  | 1.21  |
| HUA 4501Z02 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.49 | 2.01 | 1.58  | 1.20  |
| HUA 4501Z03 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.04 | 2.52 | 2.05  | 1.63  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP            | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A               | dBA                        | inch | inch                  | Kg   |                                         | A |
| HUA 3501Z02 LS | EHU2150GK                | 3/4   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 33   | 3.2                                     | 1 |
| HUA 3501Z02 LS | EHU2160GK                | 3/4   | 4.00                             | 5                      | 1x350                                          | 1650 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 33   | 3.4                                     | 1 |
| HUA 3501Z03 LS | NEU2168GKA               | 3/4   | 3.70                             | 8                      | 1x350                                          | 1460 | 6     | 1~230                       | 74                       | 0.37            | 39                         | 1/4" | 3/8"                  | 36   | 4.5                                     | 1 |
| HUA 4001Z02 LS | NEU2178GKA               | 1     | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 3/8"                  | 40   | 4.8                                     | 2 |
| HUA 4001Z03 LS | NEX2183GKA               | 1     | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 3/8"                  | 40   | 4.6                                     | 2 |
| HUA 4001Z03 LS | NJ2192GJ                 | 1 1/4 | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 108                      | 0.52            | 42                         | 1/4" | 1/2"                  | 51   | 6.3                                     | 2 |
| HUA 4501Z03 LS | NJ2212GJ                 | 1 1/2 | 7.45                             | 15                     | 1x400                                          | 3062 | 6     | 1~230                       | 260                      | 1.20            | 52                         | 1/4" | 1/2"                  | 55   | 8.3                                     | 2 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 3501Z02 LS | EHU2150GK                | 3/4   | 0.77                                                        | 0.63  | 0.50  | 0.40  | 0.31  |
| HUA 3501Z02 LS | EHU2160GK                | 3/4   | 0.86                                                        | 0.70  | 0.56  | 0.45  | 0.35  |
| HUA 3501Z03 LS | NEU2168GKA               | 3/4   | 0.92                                                        | 0.75  | 0.60  | 0.47  | 0.35  |
| HUA 4001Z02 LS | NEU2178GKA               | 1     | 1.08                                                        | 0.89  | 0.72  | 0.57  | 0.44  |
| HUA 4001Z03 LS | NEX2183GKA               | 1     | 1.15                                                        | 0.94  | 0.76  | 0.60  | 0.46  |
| HUA 4001Z03 LS | NJ2192GJ                 | 1 1/4 | 1.55                                                        | 1.25  | 0.99  | 0.76  | 0.57  |
| HUA 4501Z03 LS | NJ2212GJ                 | 1 1/2 | 1.97                                                        | 1.62  | 1.29  | 1.00  | 0.74  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |        | dBA                   | inch | inch                                    |
| HUA 4501Z03 MS  | ZB11KNE-PFZ              | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 48              | 3/8"                       | 3/4"   | 55                    | 9.8  | 2                                       |
| HUA 4501Z03 MT  | ZB11KNE-TFD              | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 48              | 3/8"                       | 3/4"   | 55                    | 4.7  | 2                                       |
| HUA 4501Z04 MS  | ZB15KQE-PFJ              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 58                    | 14.0 | 4                                       |
| HUA 4501Z04 MT  | ZB15KQE-TFD              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 58                    | 6.1  | 4                                       |
| HUA 4501Z03P MS | ZB19KQE-PFJ              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 70                    | 13.6 | 4                                       |
| HUA 4501Z03P MT | ZB19KQE-TFD              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 70                    | 7.7  | 4                                       |
| HUA 5001Z03 MS  | ZB21KQE-PFJ              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 75                    | 17.7 | 4                                       |
| HUA 5001Z03 MT  | ZB21KQE-TFD              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 75                    | 8.5  | 4                                       |
| HUA 5001Z04 MT  | ZB26KQE-TFD              | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4"   | 77                    | 10.2 | 4                                       |
| HUA 5001Z04 MT  | ZB29KQE-TFD              | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 99                    | 11.3 | 6                                       |
| HUA 5002Z03 MT  | ZB38KQE-TFD              | 5   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 104                   | 15.4 | 6                                       |
| HUA 5002Z04 MT  | ZB45KQE-TFD              | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 108                   | 15.7 | 8                                       |
| HUA 5002Z04 MT  | ZB48KQE-TFD              | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 108                   | 16.6 | 8                                       |
| HUA 5002Z04P MT | ZB58KQE-TFD              | 8   | 29.07                            | 88                     | 2x500                                          | 8659 | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 121                   | 18.5 | 10                                      |
| HUA 5002Z05P MT | ZB76KQE-TFD              | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 130                   | 23.0 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA 4501Z03 MS  | ZB11KNE-PFZ              | 1.5 | 2.67                                                        | 2.21  | 1.81  | 1.47  |
| HUA 4501Z03 MT  | ZB11KNE-TFD              | 1.5 | 2.63                                                        | 2.18  | 1.79  | 1.45  |
| HUA 4501Z04 MS  | ZB15KQE-PFJ              | 2   | 3.61                                                        | 3.01  | 2.48  | 2.02  |
| HUA 4501Z04 MT  | ZB15KQE-TFD              | 2   | 3.21                                                        | 2.56  | 2.00  | 1.49  |
| HUA 4501Z03P MS | ZB19KQE-PFJ              | 2.5 | 3.92                                                        | 3.19  | 2.56  | 2.03  |
| HUA 4501Z03P MT | ZB19KQE-TFD              | 2.5 | 4.09                                                        | 3.33  | 2.67  | 2.13  |
| HUA 5001Z03 MS  | ZB21KQE-PFJ              | 3   | 5.02                                                        | 4.08  | 3.27  | 2.60  |
| HUA 5001Z03 MT  | ZB21KQE-TFD              | 3   | 4.92                                                        | 3.99  | 3.21  | 2.54  |
| HUA 5001Z04 MT  | ZB26KQE-TFD              | 3.5 | 5.75                                                        | 4.67  | 3.75  | 2.97  |
| HUA 5001Z04 MT  | ZB29KQE-TFD              | 4   | 7.44                                                        | 6.07  | 4.91  | 3.91  |
| HUA 5002Z03 MT  | ZB38KQE-TFD              | 5   | 8.42                                                        | 6.83  | 5.49  | 4.35  |
| HUA 5002Z04 MT  | ZB45KQE-TFD              | 6   | 9.83                                                        | 8.00  | 6.42  | 5.10  |
| HUA 5002Z04 MT  | ZB48KQE-TFD              | 7   | 10.83                                                       | 8.80  | 7.06  | 5.60  |
| HUA 5002Z04P MT | ZB58KQE-TFD              | 8   | 13.12                                                       | 10.55 | 8.22  | 6.07  |
| HUA 5002Z05P MT | ZB76KQE-TFD              | 10  | 17.51                                                       | 14.22 | 11.31 | 8.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |      |                                         |
| HUA 4501Z04 LS  | ZSI06KQE-PFS             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 57                    | 14.8 | 4                                       |
| HUA 4501Z04 LT  | ZSI06KQE-TFP             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 57                    | 6.9  | 4                                       |
| HUA 4501Z03P LS | ZSI08KQE-PFS             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 67                    | 16.8 | 4                                       |
| HUA 4501Z03P LT | ZSI08KQE-TFP             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 67                    | 7.3  | 4                                       |
| HUA 4501Z03P LT | ZSI09KQE-TFP             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 69                    | 7.9  | 4                                       |
| HUA 5001Z04 LT  | ZSI11KQE-TFP             | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 50              | 1/2"                       | 7/8" | 77                    | 8.8  | 4                                       |
| HUA 5001Z05 LT  | ZSI14KQE-TFP             | 4   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8" | 95                    | 10.5 | 6                                       |
| HUA 5002Z02 LT  | ZSI15KQE-TFP             | 5   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 97                    | 14.5 | 6                                       |
| HUA 5002Z04 LT  | ZSI18KQE-TFP             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 105                   | 15.8 | 8                                       |
| HUA 5002Z04 LT  | ZSI21KQE-TFP             | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 105                   | 17.2 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LS  | ZSI06KQE-PFS             | 2   | 2.91                                                        | 2.34  | 1.87  | 1.48  | 1.16  |
| HUA 4501Z04 LT  | ZSI06KQE-TFP             | 2   | 2.79                                                        | 2.22  | 1.75  | 1.36  | 1.03  |
| HUA 4501Z03P LS | ZSI08KQE-PFS             | 2.5 | 3.46                                                        | 2.79  | 2.22  | 1.75  | 1.36  |
| HUA 4501Z03P LT | ZSI08KQE-TFP             | 2.5 | 3.39                                                        | 2.72  | 2.17  | 1.71  | 1.35  |
| HUA 4501Z03P LT | ZSI09KQE-TFP             | 3   | 3.75                                                        | 3.03  | 2.41  | 1.87  | 1.40  |
| HUA 5001Z04 LT  | ZSI11KQE-TFP             | 3.5 | 4.86                                                        | 3.94  | 3.18  | 2.52  | 1.92  |
| HUA 5001Z05 LT  | ZSI14KQE-TFP             | 4   | 6.18                                                        | 4.96  | 3.95  | 3.11  | 2.42  |
| HUA 5002Z02 LT  | ZSI15KQE-TFP             | 5   | 6.98                                                        | 5.70  | 4.62  | 3.67  | 2.80  |
| HUA 5002Z04 LT  | ZSI18KQE-TFP             | 6   | 8.48                                                        | 6.88  | 5.54  | 4.42  | 3.47  |
| HUA 5002Z04 LT  | ZSI21KQE-TFP             | 7   | 9.50                                                        | 7.70  | 6.19  | 4.93  | 3.89  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   | Kg                    | A    | L                                       |
| HUA 4501Z04 LT  | ZF06KQE-TFD              | 2   | 8.23                             | 20                     | 1x450                                          | 2706  | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 57                    | 6.2  | 4                                       |
| HUA 4501Z03P LT | ZF08KQE-TFD              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981  | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 67                    | 7.2  | 4                                       |
| HUA 5001Z03 LT  | ZF09KQE-TFD              | 3   | 12.38                            | 31                     | 1x500                                          | 4475  | 6     | 1-230                       | 290                      | 1.30 | 50              | 1/2"                       | 3/4"   | 69                    | 7.3  | 4                                       |
| HUA 5001Z04 LT  | ZF11KQE-TFD              | 3.5 | 13.99                            | 41                     | 1x500                                          | 4232  | 6     | 1-230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8"   | 77                    | 8.4  | 4                                       |
| HUA 5001Z04 LT  | ZF13KQE-TFD              | 4   | 13.99                            | 41                     | 1x500                                          | 4232  | 6     | 1-230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8"   | 95                    | 9.3  | 6                                       |
| HUA 5002Z03 LT  | ZF15KQE-TFD              | 5   | 22.03                            | 51                     | 2x500                                          | 8489  | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 97                    | 12.6 | 6                                       |
| HUA 5002Z04 LT  | ZF18KQE-TFD              | 6   | 25.28                            | 69                     | 2x500                                          | 7932  | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 105                   | 15.1 | 8                                       |
| HUA 5002Z04P LT | ZF25KQE-TFD              | 7.5 | 29.07                            | 88                     | 2x500                                          | 8659  | 6     | 1-230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 110                   | 16.3 | 8                                       |
| HUA 5502Z03P LT | ZF34KQE-TFD              | 10  | 38.00                            | 86                     | 2x550                                          | 13996 | 6     | 3~400                       | 590                      | 1.38 | 54              | 5/8"                       | 1 3/8" | 166                   | 26.4 | 15                                      |
| HUA 5502Z05P LT | ZF41KQE-TFD              | 13  | 46.84                            | 143                    | 2x550                                          | 12771 | 6     | 3~400                       | 590                      | 1.38 | 54              | 5/8"                       | 1 3/8" | 175                   | 30.4 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LT  | ZF06KQE-TFD              | 2   | 3.27                                                        | 2.69  | 2.19  | 1.76  | 1.41  |
| HUA 4501Z03P LT | ZF08KQE-TFD              | 2.5 | 4.04                                                        | 3.33  | 2.72  | 2.19  | 1.75  |
| HUA 5001Z03 LT  | ZF09KQE-TFD              | 3   | 4.46                                                        | 3.67  | 3.00  | 2.43  | 1.94  |
| HUA 5001Z04 LT  | ZF11KQE-TFD              | 3.5 | 5.53                                                        | 4.56  | 3.73  | 3.02  | 2.43  |
| HUA 5001Z04 LT  | ZF13KQE-TFD              | 4   | 6.56                                                        | 5.30  | 4.29  | 3.46  | 2.76  |
| HUA 5002Z03 LT  | ZF15KQE-TFD              | 5   | 8.01                                                        | 6.47  | 5.24  | 4.24  | 3.41  |
| HUA 5002Z04 LT  | ZF18KQE-TFD              | 6   | 9.59                                                        | 7.76  | 6.30  | 5.13  | 4.13  |
| HUA 5002Z04P LT | ZF25KQE-TFD              | 7.5 | 12.05                                                       | 9.90  | 8.06  | 6.48  | 5.14  |
| HUA 5502Z03P LT | ZF34KQE-TFD              | 10  | 14.82                                                       | 12.35 | 10.26 | 8.46  | 6.89  |
| HUA 5502Z05P LT | ZF41KQE-TFD              | 13  | 19.20                                                       | 15.80 | 12.90 | 10.45 | 8.39  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP             | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |    |
|-----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|----|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S  |
|                 |                          |    |                                  |                        |                                                |       |       |                             | W                        | A               | dBA                        | inch | inch                  | Kg   | A                                       | L  |
| HUA 5002Z04P LT | ZFI20KQE-TFD             | 4  | 29.07                            | 88                     | 2x500                                          | 8659  | 6     | 1~230                       | 580                      | 2.60            | 53                         | 1/2" | 7/8"                  | 112  | 11.6                                    | 6  |
| HUA 5002Z05P LT | ZFI26KQE-TFD             | 6  | 30.92                            | 110                    | 2x500                                          | 8259  | 6     | 1~230                       | 580                      | 2.6             | 53                         | 1/2" | 7/8"                  | 117  | 16.3                                    | 8  |
| HUA 5502Z03P LT | ZFI36KQE-TFD             | 8  | 38.00                            | 86                     | 2x550                                          | 13996 | 6     | 3~400                       | 590                      | 1.38            | 52                         | 5/8" | 7/8"                  | 165  | 17.4                                    | 10 |
| HUA 5502Z04P LT | ZFI39KQE-TFD             | 10 | 43.64                            | 114                    | 2x550                                          | 13429 | 6     | 3~400                       | 590                      | 1.38            | 54                         | 5/8" | 7/8"                  | 178  | 19.5                                    | 15 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 5002Z04P LT | ZFI20KQE-TFD             | 4  | 8.49                                                        | 7.09  | 5.83  | 4.48  | 3.15  |
| HUA 5002Z05P LT | ZFI26KQE-TFD             | 6  | 11.95                                                       | 10.10 | 8.43  | 6.64  | 4.88  |
| HUA 5502Z03P LT | ZFI36KQE-TFD             | 8  | 14.45                                                       | 12.45 | 10.55 | 8.58  | 6.63  |
| HUA 5502Z04P LT | ZFI39KQE-TFD             | 10 | 16.95                                                       | 14.60 | 12.35 | 10.03 | 7.73  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch | Kg                    | A     | L                                       |
| HUA 5001Z03 MT | ZBD21KQE-TFD             | 3  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 3/4" | 75                    | 6.80  | 4                                       |
| HUA 5001Z04 MT | ZBD29KQE-TFD             | 4  | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8" | 99                    | 9.20  | 6                                       |
| HUA 5002Z03 MT | ZBD38KQE-TFD             | 5  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 104                   | 13.90 | 6                                       |
| HUA 5002Z04 MT | ZBD45KQE-TFD             | 6  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 14.00 | 8                                       |
| HUA 5002Z04 MT | ZBD48KQE-TFD             | 7  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 16.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                |                          |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA 5001Z03 MT | ZBD21KQE-TFD             | 3  | 5.03                                                        | 4.09  | 3.27  | 2.38  |
| HUA 5001Z04 MT | ZBD29KQE-TFD             | 4  | 6.62                                                        | 5.40  | 4.38  | 3.23  |
| HUA 5002Z03 MT | ZBD38KQE-TFD             | 5  | 8.36                                                        | 6.82  | 5.54  | 4.08  |
| HUA 5002Z04 MT | ZBD45KQE-TFD             | 6  | 9.93                                                        | 8.12  | 6.59  | 4.87  |
| HUA 5002Z04 MT | ZBD48KQE-TFD             | 7  | 11.21                                                       | 9.14  | 7.42  | 5.46  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

Tecumseh

| HMBP            | Compressor/<br>Compresor |      | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp   | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |      |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUA 4001Z02 MS  | CAJ9510Z                 | 0.75 | 4.19                             | 8                      | 1x400                                          | 2307 | 6     | 1~230                       | 125                      | 0.62 | 51              | 3/8"                       | 5/8" | 51                    | 8.62  | 2                                       |
| HUA 4001Z03 MT  | CAJ9513Z                 | 1    | 5.17                             | 11                     | 1x400                                          | 2036 | 6     | 1~230                       | 125                      | 0.62 | 51              | 3/8"                       | 5/8" | 53                    | 10.72 | 2                                       |
| HUA 4501Z03 MT  | TAJ4519Z                 | 1.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 50              | 3/8"                       | 5/8" | 55                    | 6.00  | 2                                       |
| HUA 4501Z04 MS  | FH4524Z-XC3A             | 2    | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 70                    | 19.30 | 4                                       |
| HUA 4501Z04 MT  | FH4524Z-XG1A             | 2    | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 54              | 3/8"                       | 5/8" | 70                    | 7.50  | 4                                       |
| HUA 4501Z03P MS | FH4532Z-XC3A             | 2.5  | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 54              | 3/8"                       | 7/8" | 81                    | 27.50 | 4                                       |
| HUA 4501Z03P MT | FH4532Z-XG1A             | 2.5  | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 56              | 3/8"                       | 7/8" | 81                    | 9.40  | 4                                       |
| HUA 5001Z03 MT  | FH4538Z-XG1A             | 3    | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 59              | 1/2"                       | 7/8" | 85                    | 10.50 | 4                                       |
| HUA 5001Z04 MT  | TAG4546Z                 | 4    | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 63              | 1/2"                       | 7/8" | 96                    | 12.70 | 6                                       |
| HUA 5002Z03 MT  | TAG4561Z                 | 5    | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 117                   | 16.60 | 6                                       |
| HUA 5002Z04 MT  | TAG4568Z                 | 6    | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 120                   | 17.80 | 8                                       |
| HUA 5002Z04 MT  | TAG4573Z                 | 7    | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 63              | 1/2"                       | 7/8" | 121                   | 20.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |      | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-----------------|--------------------------|------|-------------------------------------------------------------|-------|------|-------|-------|
|                 | Model/<br>Modelo         | Hp   | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                 |                          |      | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUA 4001Z02 MS  | CAJ9510Z                 | 0.75 | 2.20                                                        | 1.76  | 1.40 | 1.09  | 0.84  |
| HUA 4001Z03 MT  | TAJ9513Z                 | 1    | 2.73                                                        | 2.17  | 1.70 | 1.30  | 0.97  |
| HUA 4501Z03 MT  | TAJ4519Z                 | 1.5  | 3.97                                                        | 3.21  | 2.56 | 2.01  | 1.53  |
| HUA 4501Z04 MS  | FH4524Z-XC3A             | 2    | 4.87                                                        | 3.84  | 2.97 | 2.24  | 1.61  |
| HUA 4501Z04 MT  | FH4524Z-XG1A             | 2    | 4.89                                                        | 3.87  | 2.99 | 2.24  | 1.60  |
| HUA 4501Z03P MS | FH4532Z-XC3A             | 2.5  | 6.28                                                        | 5.04  | 3.94 | 2.95  | 2.01  |
| HUA 4501Z03P MT | FH4532Z-XG1A             | 2.5  | 6.19                                                        | 4.93  | 3.85 | 2.93  | 2.15  |
| HUA 5001Z03 MT  | FH4538Z-XG1A             | 3    | 7.89                                                        | 6.33  | 5.00 | 3.86  | 2.88  |
| HUA 5001Z04 MT  | TAG4546Z                 | 4    | 9.23                                                        | 7.11  | 5.37 | 3.94  | 2.77  |
| HUA 5002Z03 MT  | TAG4561Z                 | 5    | 11.49                                                       | 9.00  | 6.93 | 5.20  | 3.74  |
| HUA 5002Z04 MT  | TAG4568Z                 | 6    | 13.49                                                       | 10.66 | 8.29 | 6.30  | 4.63  |
| HUA 5002Z04 MT  | TAG4573Z                 | 7    | 14.37                                                       | 11.36 | 8.86 | 6.78  | 5.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |      |      |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|------|------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |      |      |
|                |                          |     |                                  |                        |                                                |      |       |                             | kW                       | m²   | W               | A                          | dBA  |                       |       |                                         | inch | inch |
|                |                          |     |                                  |                        |                                                |      |       |                             |                          |      |                 |                            |      |                       |       |                                         |      |      |
| HUA 4001Z03 LS | CAJ2446Z                 | 1   | 5.17                             | 11                     | 1x450                                          | 2036 | 6     | 1-230                       | 125                      | 0.62 | 50              | 3/8"                       | 1/2" | 50                    | 8.52  | 2                                       |      |      |
| HUA 4501Z03 LT | TAJ2464Z                 | 1.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 51                    | 4.50  | 2                                       |      |      |
| HUA 4501Z04 LS | FH2480Z-XC3A             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 68                    | 17.20 | 4                                       |      |      |
| HUA 4501Z04 LT | FH2480Z-XG1A             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 68                    | 6.00  | 4                                       |      |      |
| HUA 5001Z03 LS | FH2511Z-XC3A             | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 55              | 1/2"                       | 5/8" | 84                    | 25.30 | 4                                       |      |      |
| HUA 5001Z03 LT | FH2511Z-XG1A             | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 58              | 1/2"                       | 5/8" | 84                    | 6.30  | 4                                       |      |      |
| HUA 5001Z04 LT | TAG2516Z                 | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 55              | 1/2"                       | 7/8" | 116                   | 11.11 | 6                                       |      |      |
| HUA 5002Z04 LT | TAG2522Z                 | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 58              | 1/2"                       | 7/8" | 120                   | 15.10 | 8                                       |      |      |
| HUA 5002Z04 LT | TAG2525Z                 | 6.5 | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 125                   | 15.90 | 8                                       |      |      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4001Z03 LS | CAJ2446Z                 | 1   | 1.53                                                        | 1.19  | 0.91  | 0.67  | 0.48  |
| HUA 4501Z03 LT | TAJ2464Z                 | 1.5 | 1.95                                                        | 1.52  | 1.17  | 0.87  | 0.63  |
| HUA 4501Z04 LS | FH2480Z-XC3A             | 2   | 2.96                                                        | 2.29  | 1.72  | 1.25  | 0.84  |
| HUA 4501Z04 LT | FH2480Z-XG1A             | 2   | 2.84                                                        | 2.22  | 1.69  | 1.25  | 0.87  |
| HUA 5001Z03 LS | FH2511Z-XC3A             | 3   | 4.10                                                        | 3.15  | 2.36  | 1.71  | 1.17  |
| HUA 5001Z03 LT | FH2511Z-XG1A             | 3   | 4.09                                                        | 3.12  | 2.33  | 1.68  | 1.16  |
| HUA 5001Z04 LT | TAG2516Z                 | 4   | 5.95                                                        | 4.55  | 3.39  | 2.44  | 1.69  |
| HUA 5002Z04 LT | TAG2522Z                 | 6   | 7.33                                                        | 5.57  | 4.14  | 3.00  | 2.08  |
| HUA 5002Z04 LT | TAG2525Z                 | 6.5 | 7.85                                                        | 6.06  | 4.57  | 3.35  | 2.35  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S      |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch   |                       |       |                                         |
| HUA 4501Z04 MS  | YM34E2G-100              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 63                    | 17.40 | 4                                       |
| HUA 4501Z04 MT  | YM34E1G-100              | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 63                    | 6.40  | 4                                       |
| HUA 4501Z03P MS | YM43E2G-100              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 76                    | 18.40 | 4                                       |
| HUA 4501Z03P MT | YM43E1G-100              | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2 | 49              | 3/8"                       | 7/8"   | 76                    | 7.80  | 4                                       |
| HUA 5001Z03 MS  | YM49E2G-100              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 78                    | 20.30 | 4                                       |
| HUA 5001Z03 MT  | YM49E1G-100              | 3   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 78                    | 10.30 | 4                                       |
| HUA 5001Z04 MT  | YM70E1G-100              | 4   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.3 | 49              | 1/2"                       | 7/8"   | 90                    | 11.30 | 6                                       |
| HUA 5002Z03 MT  | YM86E1G-100              | 5   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.6 | 52              | 1/2"                       | 7/8"   | 92                    | 15.40 | 6                                       |
| HUA 5002Z04 MT  | YM102E1G-100             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.6 | 52              | 1/2"                       | 7/8"   | 96                    | 17.10 | 8                                       |
| HUA 5002Z04 MT  | YM125E1G-100             | 7   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.6 | 52              | 5/8"                       | 1 1/8" | 97                    | 20.10 | 8                                       |
| HUA 5002Z04P MT | YM132E1G-100             | 8   | 29.07                            | 88                     | 2x500                                          | 8659 | 6     | 1~230                       | 580                      | 2.6 | 54              | 5/8"                       | 1 1/8" | 121                   | 21.00 | 10                                      |
| HUA 5002Z05P MT | YM182E1G-100             | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1~230                       | 580                      | 2.6 | 53              | 5/8"                       | 1 1/8" | 130                   | 26.20 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                 |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUA 4501Z04 MS  | YM34E2G-100              | 2   | 5.46                                                        | 4.61  | 3.88  | 3.25  | 2.71  | 2.23  |
| HUA 4501Z04 MT  | YM34E1G-100              | 2   | 5.46                                                        | 4.61  | 3.88  | 3.25  | 2.71  | 2.23  |
| HUA 4501Z03P MS | YM43E2G-100              | 2.5 | 6.52                                                        | 5.51  | 4.64  | 3.88  | 3.24  | 2.67  |
| HUA 4501Z03P MT | YM43E1G-100              | 2.5 | 6.52                                                        | 5.51  | 4.64  | 3.88  | 3.24  | 2.67  |
| HUA 5001Z03 MS  | YM49E2G-100              | 3   | 7.43                                                        | 6.28  | 5.29  | 4.43  | 3.68  | 3.04  |
| HUA 5001Z03 MT  | YM49E1G-100              | 3   | 7.43                                                        | 6.28  | 5.29  | 4.43  | 3.68  | 3.04  |
| HUA 5001Z04 MT  | YM70E1G-100              | 4   | 10.61                                                       | 8.97  | 7.55  | 6.33  | 5.27  | 4.34  |
| HUA 5002Z03 MT  | YM86E1G-100              | 5   | 13.04                                                       | 11.01 | 9.28  | 7.77  | 6.47  | 5.34  |
| HUA 5002Z04 MT  | YM102E1G-100             | 6   | 15.46                                                       | 13.07 | 11.00 | 9.22  | 7.67  | 6.33  |
| HUA 5002Z04 MT  | YM125E1G-100             | 7   | 18.95                                                       | 16.02 | 13.49 | 11.30 | 9.41  | 7.76  |
| HUA 5002Z04P MT | YM132E1G-100             | 8   | 20.00                                                       | 16.91 | 14.24 | 11.93 | 9.94  | 8.19  |
| HUA 5002Z05P MT | YM182E1G-100             | 10  | 27.59                                                       | 23.32 | 19.63 | 16.44 | 13.70 | 11.29 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch |                       |       |                                         |
| HUA 4501Z04 LS  | YF13E2G-Q100             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2 | 53              | 3/8"                       | 7/8" | 63                    | 14.74 | 4                                       |
| HUA 4501Z04 LT  | YF13E1G-Q100             | 2   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 63                    | 5.34  | 4                                       |
| HUA 4501Z03P LS | YF17E2G-Q100             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 76                    | 15.54 | 4                                       |
| HUA 4501Z03P LT | YF17E1G-Q100             | 2.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 52              | 3/8"                       | 7/8" | 76                    | 6.54  | 4                                       |
| HUA 4501Z03P LS | YF20E2G-Q100             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 52              | 1/2"                       | 7/8" | 78                    | 17.40 | 4                                       |
| HUA 4501Z03P LT | YF20E1G-Q100             | 3   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2 | 52              | 1/2"                       | 7/8" | 78                    | 7.00  | 4                                       |
| HUA 5001Z05 LT  | YF29E1G-Q100             | 4   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1-230                       | 290                      | 1.3 | 57              | 1/2"                       | 7/8" | 90                    | 10.10 | 6                                       |
| HUA 5002Z02 LT  | YF35E1G-Q100             | 5   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.6 | 58              | 1/2"                       | 7/8" | 92                    | 12.90 | 6                                       |
| HUA 5002Z04 LT  | YF41E1G-Q100             | 6   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.6 | 59              | 1/2"                       | 7/8" | 96                    | 14.70 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4501Z04 LS  | YF13E2G-Q100             | 2   | 2.81                                                        | 2.34  | 1.93  | 1.58  | 1.28  |
| HUA 4501Z04 LT  | YF13E1G-Q100             | 2   | 2.81                                                        | 2.34  | 1.93  | 1.58  | 1.28  |
| HUA 4501Z03P LS | YF17E2G-Q100             | 2.5 | 3.58                                                        | 2.99  | 2.46  | 2.02  | 1.64  |
| HUA 4501Z03P LT | YF17E1G-Q100             | 2.5 | 3.58                                                        | 2.99  | 2.46  | 2.02  | 1.64  |
| HUA 4501Z03P LS | YF20E2G-Q100             | 3   | 4.21                                                        | 3.50  | 2.90  | 2.37  | 1.93  |
| HUA 4501Z03P LT | YF20E1G-Q100             | 3   | 4.21                                                        | 3.50  | 2.90  | 2.37  | 1.93  |
| HUA 5001Z05 LT  | YF29E1G-Q100             | 4   | 6.37                                                        | 5.31  | 4.38  | 3.59  | 2.91  |
| HUA 5002Z02 LT  | YF35E1G-Q100             | 5   | 7.55                                                        | 6.30  | 5.20  | 4.26  | 3.46  |
| HUA 5002Z04 LT  | YF41E1G-Q100             | 6   | 8.85                                                        | 7.38  | 6.09  | 4.98  | 4.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A   |                 | dBA                        | inch |                       |       |                                         |
| HUA 4502Z02 MT | YIM38E1G-100             | 3  | 16.78                            | 34                     | 2x450                                          | 8312 | 6     | 1~230                       | 520                      | 2.4 | 53              | 3/8"                       | 7/8" | 85                    | 15.70 | 4                                       |
| HUA 4502Z02 MT | YIM42E1G-100             | 4  | 16.78                            | 34                     | 2x450                                          | 8312 | 6     | 1~230                       | 520                      | 2.4 | 53              | 3/8"                       | 7/8" | 85                    | 15.70 | 6                                       |
| HUA 5002Z02 MT | YIM50E1G-100             | 5  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 88                    | 15.90 | 6                                       |
| HUA 5002Z03 MT | YIM60E1G-100             | 6  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 92                    | 15.90 | 8                                       |
| HUA 5002Z04 MT | YIM72E1G-100             | 7  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.6 | 53              | 1/2"                       | 7/8" | 96                    | 18.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUA 4502Z02 MT | YIM38E1G-100             | 3  | 8.12                                                        | 6.96  | 5.93  | 5.01  | 4.13  | 3.25  |
| HUA 4502Z02 MT | YIM42E1G-100             | 4  | 8.97                                                        | 7.69  | 6.56  | 5.53  | 4.56  | 3.59  |
| HUA 5002Z02 MT | YIM50E1G-100             | 5  | 10.68                                                       | 9.15  | 7.81  | 6.58  | 5.43  | 4.28  |
| HUA 5002Z03 MT | YIM60E1G-100             | 6  | 12.82                                                       | 10.98 | 9.37  | 7.90  | 6.51  | 5.14  |
| HUA 5002Z04 MT | YIM72E1G-100             | 7  | 15.38                                                       | 13.18 | 11.24 | 9.48  | 7.82  | 6.16  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador         |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |     | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|-----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad/<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                   |                        |                                                |      |       |                             | W                        | A   | dBA             | inch                       | inch |                       |       |                                         |
|                |                          |    |                                   |                        |                                                |      |       |                             |                          |     |                 |                            |      |                       |       |                                         |
| HUA 4502Z02 LT | YIF50E1G-Q100            | 5  | 16.78                             | 34                     | 2x450                                          | 8312 | 6     | 1-230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 88                    | 13.90 | 6                                       |
| HUA 5002Z03 LT | YIF60E1G-Q100            | 6  | 22.03                             | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 92                    | 16.10 | 8                                       |
| HUA 5002Z04 LT | YIF72E1G-Q100            | 7  | 25.28                             | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 520                      | 2.4 | 53              | 1/2"                       | 7/8" | 96                    | 18.90 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA 4502Z02 LT | YIF50E1G-Q100            | 5  | 6.60                                                        | 5.50  | 4.54  | 3.72  | 3.01  |
| HUA 5002Z03 LT | YIF60E1G-Q100            | 6  | 7.92                                                        | 6.60  | 5.45  | 4.46  | 3.62  |
| HUA 5002Z04 LT | YIF72E1G-Q100            | 7  | 9.50                                                        | 7.92  | 6.54  | 5.35  | 4.34  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUP SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUP

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUP range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUP range are highly efficient with special profile aluminum fins and  $\varnothing 7$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**"Floating" system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUP SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUP

La unidad condensadora HUP está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUP son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 7$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema "flotante" evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUP 4501Z03P MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- P: Condenser length plus (None: Condenser length standard)/  
P: Largo adicional del condensador (Ninguno: Largo del  
condensador estándar)
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Condenser coil with copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Hermetic scroll or reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Filter drier on liquid line.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Shut-off valves for liquid and suction line.
- ▶ Ziehl-Abegg or Maer axial fan motors.

**Optional items:**

- ▶ Fan speed controller based on condenser pressure.
- ▶ Oil separator.
- ▶ Crankcase heater.
- ▶ Built in electric control panel.
- ▶ Suction accumulator.
- ▶ Different voltage & gas.
- ▶ Safety relief valve.
- ▶ Solenoid valve on liquid line.
- ▶ Manometers.
- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Condensador .
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor Scroll o hermetico de pistones.
- ▶ Doble presostato con rearme automatico.
- ▶ Filtro deshidratador en línea de líquido.
- ▶ Visor de liquido.
- ▶ Recipiente de liquido (calderin).
- ▶ Válvulas de servicio en línea de líquido y aspiración.
- ▶ Ventilador axial Ziehl-Abegg o Maer.

**Accesorios opcionales:**

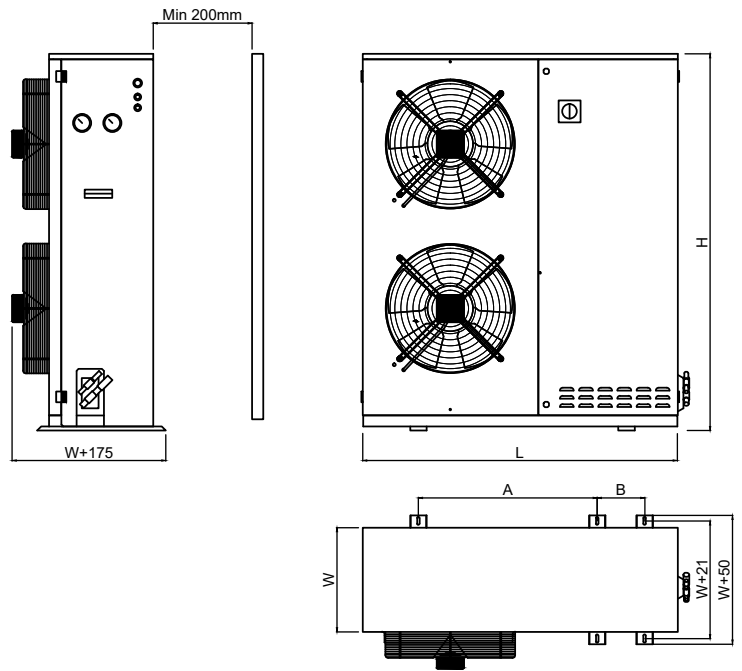
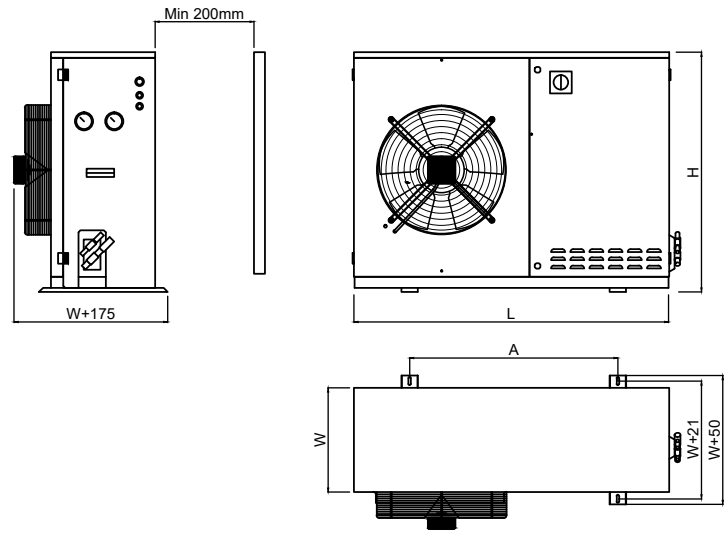
- ▶ Control de velocidad, según la condensación.
- ▶ Separador de aceite.
- ▶ Resistencia de carter.
- ▶ Panel eléctrico de control.
- ▶ Acumulador de succión.
- ▶ Diferente voltaje & gas.
- ▶ Válvula de seguridad homologada.
- ▶ Válvula selenoide en línea de líquido.
- ▶ Manómetros.
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie | Dimensions / dimensiones(mm) |     |      |      |
|----------------|------------------------------|-----|------|------|
|                | L                            | W   | A    | H    |
| HUP 3001...    | 900                          | 395 | 441  | 475  |
| HUP 3501...    | 900                          | 395 | 441  | 475  |
| HUP 4001...    | 1000                         | 395 | 541  | 525  |
| HUP 4501...    | 1000                         | 395 | 541  | 675  |
| HUP 4501P...   | 1150                         | 395 | 646  | 875  |
| HUP 5001...    | 1150                         | 395 | 646  | 975  |
| HUP 5002...    | 1300                         | 400 | 786  | 1275 |
| HUP 5002P...   | 1500                         | 445 | 986  | 1275 |
| HUP 5502P...   | 1700                         | 550 | 1116 | 1475 |

R404A / R507A



| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP 3001Z02 MS | SC10MLX                  | 1/2   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 37                    | 4.2  | 1                                       |
| HUP 3001Z02 MS | SC12MLX                  | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 37                    | 4.7  | 1                                       |
| HUP 3001Z03 MS | SC15MLX                  | 3/4   | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 38                    | 5.4  | 1                                       |
| HUP 3001Z04 MS | SC18MLX                  | 1     | 2.64                             | 10                     | 1x300                                          | 720  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 39                    | 5.2  | 2                                       |
| HUP 3501Z03 MS | SC18MLX.3                | 1     | 3.11                             | 8                      | 1x350                                          | 1110 | 6     | 1~230                       | 74                       | 0.37 | 39              | 1/4"                       | 1/2" | 38                    | 5.0  | 2                                       |
| HUP 4001Z04 MS | GS26MLX                  | 1 1/2 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1~230                       | 108                      | 0.52 | 42              | 3/8"                       | 5/8" | 52                    | 8.4  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP 3001Z02 MS | SC10MLX                  | 1/2   | 1.32                                                        | 1.10 | 0.91 | 0.74  | 0.59  |
| HUP 3001Z02 MS | SC12MLX                  | 3/4   | 1.59                                                        | 1.33 | 1.10 | 0.90  | 0.72  |
| HUP 3001Z03 MS | SC15MLX                  | 3/4   | 1.99                                                        | 1.66 | 1.37 | 1.12  | 0.90  |
| HUP 3001Z04 MS | SC18MLX                  | 1     | 2.31                                                        | 1.93 | 1.59 | 1.30  | 1.05  |
| HUP 3501Z03 MS | SC18MLX.3                | 1     | 2.40                                                        | 2.00 | 1.66 | 1.36  | 1.11  |
| HUP 4001Z04 MS | GS26MLX                  | 1 1/2 | 3.28                                                        | 2.80 | 2.31 | 1.89  | 1.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP 3001Z02 LS | SC10CLX                  | 1/2 | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 37                    | 2.7  | 1                                       |
| HUP 3001Z02 LS | SC12CLX.2                | 1/2 | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 37                    | 3.6  | 1                                       |
| HUP 3001Z02 LS | SC15CLX.2                | 3/4 | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 37                    | 4.1  | 1                                       |
| HUP 3001Z03 LS | SC18CLX.2                | 3/4 | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 38                    | 4.6  | 1                                       |
| HUP 3001Z03 LS | SC21CL                   | 1   | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 38                    | 4.3  | 2                                       |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 3001Z02 LS | SC10CLX                  | 1   | 0.68                                                        | 0.54  | 0.41  | 0.30  | 0.21  |
| HUP 3001Z02 LS | SC12CLX.2                | 1.5 | 0.90                                                        | 0.73  | 0.58  | 0.45  | 0.34  |
| HUP 3001Z02 LS | SC15CLX.2                | 2   | 1.09                                                        | 0.89  | 0.70  | 0.55  | 0.41  |
| HUP 3001Z03 LS | SC18CLX.2                | 2   | 1.27                                                        | 1.03  | 0.82  | 0.64  | 0.48  |
| HUP 3001Z03 LS | SC21CL                   | 3   | 1.39                                                        | 1.12  | 0.88  | 0.68  | 0.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

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| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUP 3001Z02 MS | NEU6212GK                | 1/2   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 34                    | 3.1  | 1                                       |
| HUP 3001Z02 MS | NEU6215GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.2  | 1                                       |
| HUP 3001Z03 MS | NEU6220GK                | 3/4   | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 36                    | 5.0  | 1                                       |
| HUP 3001Z04 MS | NT6222GK                 | 1     | 2.64                             | 10                     | 1x300                                          | 720  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 42                    | 5.2  | 2                                       |
| HUP 4001Z02 MS | NT6226GK                 | 1     | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1~230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 46                    | 6.8  | 2                                       |
| HUP 4001Z02 MS | NJ9232GK                 | 1 1/4 | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1~230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 6.8  | 2                                       |
| HUP 4001Z04 MS | NJ9238GK                 | 1 1/2 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1~230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 52                    | 8.8  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP 3001Z02 MS | NEU6212GK                | 1/2   | 1.21                                                        | 1.02 | 0.84 | 0.69  | 0.56  |
| HUP 3001Z02 MS | NEU6215GK                | 3/4   | 1.66                                                        | 1.40 | 1.17 | 0.97  | 0.79  |
| HUP 3001Z03 MS | NEU6220GK                | 3/4   | 1.94                                                        | 1.64 | 1.37 | 1.13  | 0.92  |
| HUP 3001Z04 MS | NT6222GK                 | 1     | 2.13                                                        | 1.78 | 1.46 | 1.19  | 0.96  |
| HUP 4001Z02 MS | NT6226GK                 | 1     | 2.83                                                        | 2.36 | 1.95 | 1.59  | 1.27  |
| HUP 4001Z02 MS | NJ9232GK                 | 1 1/4 |                                                             | 2.62 | 2.11 | 1.66  | 1.27  |
| HUP 4001Z04 MS | NJ9238GK                 | 1 1/2 |                                                             | 3.20 | 2.65 | 2.15  | 1.72  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

| LBP            | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |   |     |      |      |    |   |   |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|---|-----|------|------|----|---|---|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |   |   |     |      |      |    |   |   |
|                |                          |       |                                  |                        |                                                |      |       |                             | kW                       | m²   |                 |                            |      |                       |      |                                         | W | A | dBA | inch | inch | Kg | A | L |
|                |                          |       |                                  |                        |                                                |      |       |                             |                          |      |                 |                            |      |                       |      |                                         |   |   |     |      |      |    |   |   |
| HUP 3001Z02 LS | EHU2150GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 33                    | 3.1  | 1                                       |   |   |     |      |      |    |   |   |
| HUP 3001Z02 LS | EHU2160GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 33                    | 3.3  | 1                                       |   |   |     |      |      |    |   |   |
| HUP 3001Z02 LS | NEU2168GKA               | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.4  | 1                                       |   |   |     |      |      |    |   |   |
| HUP 3001Z03 LS | NEU2178GKA               | 1     | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 36                    | 4.5  | 2                                       |   |   |     |      |      |    |   |   |
| HUP 3001Z03 LS | NEX2183GKA               | 1     | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.3  | 2                                       |   |   |     |      |      |    |   |   |
| HUP 4001Z02 LS | NJ2192GJ                 | 1 1/4 | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 6.3  | 2                                       |   |   |     |      |      |    |   |   |
| HUP 4001Z03 LS | NJ2212GJ                 | 1 1/2 | 4.74                             | 11                     | 1x400                                          | 1877 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 7.7  | 2                                       |   |   |     |      |      |    |   |   |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 3001Z02 LS | EHU2150GK                | 3/4   | 0.87                                                        | 0.71  | 0.57  | 0.45  | 0.35  |
| HUP 3001Z02 LS | EHU2160GK                | 3/4   | 0.98                                                        | 0.80  | 0.64  | 0.51  | 0.40  |
| HUP 3001Z02 LS | NEU2168GKA               | 3/4   | 1.05                                                        | 0.85  | 0.68  | 0.53  | 0.40  |
| HUP 3001Z03 LS | NEU2178GKA               | 1     | 1.23                                                        | 1.02  | 0.82  | 0.65  | 0.50  |
| HUP 3001Z03 LS | NEX2183GKA               | 1     | 1.31                                                        | 1.07  | 0.86  | 0.68  | 0.52  |
| HUP 4001Z02 LS | NJ2192GJ                 | 1 1/4 | 1.76                                                        | 1.43  | 1.13  | 0.87  | 0.65  |
| HUP 4001Z03 LS | NJ2212GJ                 | 1 1/2 | 2.24                                                        | 1.84  | 1.47  | 1.14  | 0.85  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

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| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |        |                       |      |                                         |
| HUP 4001Z04 MS  | ZB11KNE-PFZ              | 1.5 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1~230                       | 108                      | 0.52 | 48              | 3/8"                       | 3/4"   | 51                    | 9.1  | 2                                       |
| HUP 4001Z04 MT  | ZB11KNE-TFD              | 1.5 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1~230                       | 108                      | 0.52 | 48              | 3/8"                       | 3/4"   | 51                    | 4.0  | 2                                       |
| HUP 4501Z02 MS  | ZB15KQE-PFJ              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 14.0 | 4                                       |
| HUP 4501Z02 MT  | ZB15KQE-TFD              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 6.1  | 4                                       |
| HUP 4501Z03 MS  | ZB19KQE-PFJ              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 13.6 | 4                                       |
| HUP 4501Z03 MT  | ZB19KQE-TFD              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 7.7  | 4                                       |
| HUP 4501Z02P MS | ZB21KQE-PFJ              | 3   | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 73                    | 17.6 | 4                                       |
| HUP 4501Z02P MT | ZB21KQE-TFD              | 3   | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 73                    | 8.4  | 4                                       |
| HUP 4501Z03P MT | ZB26KQE-TFD              | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 74                    | 10.1 | 4                                       |
| HUP 5001Z03 MT  | ZB29KQE-TFD              | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 97                    | 11.3 | 6                                       |
| HUP 5001Z05 MT  | ZB38KQE-TFD              | 5   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8"   | 100                   | 14.1 | 6                                       |
| HUP 5002Z02 MT  | ZB45KQE-TFD              | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 102                   | 15.7 | 8                                       |
| HUP 5002Z03 MT  | ZB48KQE-TFD              | 7   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 104                   | 16.6 | 8                                       |
| HUP 5002Z04 MT  | ZB58KQE-TFD              | 8   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 108                   | 18.5 | 10                                      |
| HUP 5002Z05P MT | ZB76KQE-TFD              | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 130                   | 23.0 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP 4001Z04 MS  | ZB11KNE-PFZ              | 1.5 | 2.77                                                        | 2.31  | 1.90  | 1.56  |
| HUP 4001Z04 MT  | ZB11KNE-TFD              | 1.5 | 2.73                                                        | 2.28  | 1.88  | 1.54  |
| HUP 4501Z02 MS  | ZB15KQE-PFJ              | 2   | 3.80                                                        | 3.17  | 2.61  | 2.13  |
| HUP 4501Z02 MT  | ZB15KQE-TFD              | 2   | 3.60                                                        | 2.95  | 2.37  | 1.84  |
| HUP 4501Z03 MS  | ZB19KQE-PFJ              | 2.5 | 4.39                                                        | 3.65  | 3.01  | 2.46  |
| HUP 4501Z03 MT  | ZB19KQE-TFD              | 2.5 | 4.58                                                        | 3.81  | 3.14  | 2.56  |
| HUP 4501Z02P MS | ZB21KQE-PFJ              | 3   | 5.62                                                        | 4.67  | 3.85  | 3.14  |
| HUP 4501Z02P MT | ZB21KQE-TFD              | 3   | 5.50                                                        | 4.58  | 3.77  | 3.08  |
| HUP 4501Z03P MT | ZB26KQE-TFD              | 3.5 | 6.43                                                        | 5.35  | 4.41  | 3.60  |
| HUP 5001Z03 MT  | ZB29KQE-TFD              | 4   | 7.46                                                        | 6.21  | 5.12  | 4.17  |
| HUP 5001Z05 MT  | ZB38KQE-TFD              | 5   | 9.42                                                        | 7.83  | 6.46  | 5.26  |
| HUP 5002Z02 MT  | ZB45KQE-TFD              | 6   | 11.05                                                       | 9.17  | 7.56  | 6.17  |
| HUP 5002Z03 MT  | ZB48KQE-TFD              | 7   | 12.15                                                       | 10.10 | 8.23  | 6.78  |
| HUP 5002Z04 MT  | ZB58KQE-TFD              | 8   | 14.70                                                       | 12.10 | 9.68  | 7.41  |
| HUP 5002Z05P MT | ZB76KQE-TFD              | 10  | 19.60                                                       | 16.25 | 13.30 | 10.65 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP 4501Z02 LS  | ZSI06KQE-PFS             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 55                    | 14.8 | 4                                       |
| HUP 4501Z02 LT  | ZSI06KQE-TFP             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 55                    | 6.9  | 4                                       |
| HUP 4501Z03 LS  | ZSI08KQE-PFS             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 56                    | 16.8 | 4                                       |
| HUP 4501Z03 LT  | ZSI08KQE-TFP             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 56                    | 7.3  | 4                                       |
| HUP 4501Z03 LT  | ZSI09KQE-TFP             | 3   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 57                    | 7.9  | 4                                       |
| HUP 4501Z03P LT | ZSI11KQE-TFP             | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 290                      | 1.30 | 50              | 1/2"                       | 7/8" | 74                    | 8.8  | 4                                       |
| HUP 5001Z03 LT  | ZSI14KQE-TFP             | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8" | 97                    | 10.5 | 6                                       |
| HUP 5001Z04 LT  | ZSI15KQE-TFP             | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 98                    | 13.2 | 6                                       |
| HUP 5002Z02 LT  | ZSI18KQE-TFP             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 102                   | 15.8 | 8                                       |
| HUP 5002Z02 LT  | ZSI21KQE-TFP             | 7   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 102                   | 17.2 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4501Z02 LS  | ZSI06KQE-PFS             | 2   | 3.31                                                        | 2.73  | 2.24  | 1.82  | 1.47  |
| HUP 4501Z02 LT  | ZSI06KQE-TFP             | 2   | 3.18                                                        | 2.60  | 2.11  | 1.69  | 1.33  |
| HUP 4501Z03 LS  | ZSI08KQE-PFS             | 2.5 | 3.39                                                        | 3.25  | 2.66  | 2.15  | 1.72  |
| HUP 4501Z03 LT  | ZSI08KQE-TFP             | 2.5 | 3.85                                                        | 3.17  | 2.59  | 2.11  | 1.71  |
| HUP 4501Z03 LT  | ZSI09KQE-TFP             | 3   | 4.29                                                        | 3.55  | 2.90  | 2.32  | 1.80  |
| HUP 4501Z03P LT | ZSI11KQE-TFP             | 3.5 | 5.54                                                        | 4.61  | 3.82  | 3.10  | 2.42  |
| HUP 5001Z03 LT  | ZSI14KQE-TFP             | 4   | 7.02                                                        | 5.79  | 4.73  | 3.83  | 3.07  |
| HUP 5001Z04 LT  | ZSI15KQE-TFP             | 5   | 7.93                                                        | 6.64  | 5.52  | 4.51  | 3.54  |
| HUP 5002Z02 LT  | ZSI18KQE-TFP             | 6   | 9.63                                                        | 8.01  | 6.62  | 5.41  | 4.38  |
| HUP 5002Z02 LT  | ZSI21KQE-TFP             | 7   | 10.78                                                       | 8.97  | 7.39  | 6.05  | 4.91  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch   |                       |      |                                         |
| HUP 4501Z02 LT  | ZF06KQE-TFD              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 6.2  | 4                                       |
| HUP 4501Z03 LT  | ZF08KQE-TFD              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 7.2  | 4                                       |
| HUP 4501Z03 LT  | ZF09KQE-TFD              | 3   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 50              | 1/2"                       | 3/4"   | 56                    | 7.2  | 4                                       |
| HUP 4501Z03P LT | ZF11KQE-TFD              | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 51              | 1/2"                       | 7/8"   | 74                    | 8.3  | 4                                       |
| HUP 4501Z03P LT | ZF13KQE-TFD              | 4   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 51              | 1/2"                       | 7/8"   | 74                    | 9.2  | 6                                       |
| HUP 5001Z04 LT  | ZF15KQE-TFD              | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8"   | 98                    | 11.3 | 6                                       |
| HUP 5002Z02 LT  | ZF18KQE-TFD              | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 102                   | 15.1 | 8                                       |
| HUP 5002Z03 LT  | ZF25KQE-TFD              | 7.5 | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 104                   | 16.3 | 8                                       |
| HUP 5002Z04 LT  | ZF28KQE-TFD              | 9   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 108                   | 19.4 | 10                                      |
| HUP 5002Z04P LT | ZF34KQE-TFD              | 10  | 29.07                            | 88                     | 2x550                                          | 8659 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 128                   | 27.6 | 15                                      |
| HUP 5002Z05P LT | ZF41KQE-TFD              | 13  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 130                   | 31.6 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4501Z02 LT  | ZF06KQE-TFD              | 2   | 3.09                                                        | 2.52  | 2.04  | 1.64  | 1.30  |
| HUP 4501Z03 LT  | ZF08KQE-TFD              | 2.5 | 3.79                                                        | 3.09  | 2.51  | 2.01  | 1.60  |
| HUP 4501Z03 LT  | ZF09KQE-TFD              | 3   | 4.19                                                        | 3.42  | 2.77  | 2.23  | 1.78  |
| HUP 4501Z03P LT | ZF11KQE-TFD              | 3.5 | 5.21                                                        | 4.25  | 3.45  | 2.78  | 2.23  |
| HUP 4501Z03P LT | ZF13KQE-TFD              | 4   | 6.44                                                        | 5.35  | 4.42  | 3.62  | 2.95  |
| HUP 5001Z04 LT  | ZF15KQE-TFD              | 5   | 7.86                                                        | 6.53  | 5.40  | 4.44  | 3.63  |
| HUP 5002Z02 LT  | ZF18KQE-TFD              | 6   | 9.40                                                        | 7.83  | 6.50  | 5.37  | 4.41  |
| HUP 5002Z03 LT  | ZF25KQE-TFD              | 7.5 | 11.80                                                       | 9.96  | 8.28  | 6.79  | 5.50  |
| HUP 5002Z04 LT  | ZF28KQE-TFD              | 9   | 13.65                                                       | 11.30 | 9.18  | 7.36  | 5.82  |
| HUP 5002Z04P LT | ZF34KQE-TFD              | 10  | 15.60                                                       | 13.00 | 10.80 | 8.90  | 7.25  |
| HUP 5002Z05P LT | ZF41KQE-TFD              | 13  | 19.05                                                       | 15.95 | 13.30 | 11.05 | 9.06  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP             | Compressor/<br>Compresor |    | Condenser/<br>Condensador         |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|----|-----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad/<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |    |                                   |                        |                                                |      |       |                             | W                        | A    | dBa             | inch                       | inch | Kg                    | A    | L                                       |
| HUP 5001Z04 LT  | ZFI20KQE-TFD             | 4  | 13.99                             | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 98                    | 10.3 | 6                                       |
| HUP 5002Z03 LT  | ZFI26KQE-TFD             | 6  | 22.03                             | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 104                   | 16.3 | 8                                       |
| HUP 5002Z04 LT  | ZFI36KQE-TFD             | 8  | 25.28                             | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 52              | 5/8"                       | 7/8" | 108                   | 18.6 | 10                                      |
| HUP 5002Z04P LT | ZFI39KQE-TFD             | 10 | 29.07                             | 88                     | 2x550                                          | 8659 | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 7/8" | 128                   | 20.7 | 15                                      |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 5001Z04 LT  | ZFI20KQE-TFD             | 4  | 9.73                                                        | 8.17  | 6.8   | 5.62  | 4.59  |
| HUP 5002Z03 LT  | ZFI26KQE-TFD             | 6  | 13.7                                                        | 11.6  | 9.83  | 8.31  | 7.03  |
| HUP 5002Z04 LT  | ZFI36KQE-TFD             | 8  | 16.5                                                        | 14.3  | 12.25 | 10.45 | 8.81  |
| HUP 5002Z04P LT | ZFI39KQE-TFD             | 10 | 18.95                                                       | 16.4  | 14.05 | 11.95 | 10.1  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUP 4501Z02P MT | ZBD21KQE-TFD             | 3  | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 75                    | 6.70  | 4                                       |
| HUP 5001Z03 MT  | ZBD29KQE-TFD             | 4  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8" | 99                    | 9.20  | 6                                       |
| HUP 5001Z05 MT  | ZBD38KQE-TFD             | 5  | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8" | 104                   | 12.60 | 6                                       |
| HUP 5002Z02 MT  | ZBD45KQE-TFD             | 6  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 14.00 | 8                                       |
| HUP 5002Z03 MT  | ZBD48KQE-TFD             | 7  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 16.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP 4501Z02P MT | ZBD21KQE-TFD             | 3  | 5.57                                                        | 4.65  | 3.81  | 3.06  |
| HUP 5001Z03 MT  | ZBD29KQE-TFD             | 4  | 7.35                                                        | 6.14  | 5.10  | 4.20  |
| HUP 5001Z05 MT  | ZBD38KQE-TFD             | 5  | 9.28                                                        | 7.76  | 6.45  | 5.33  |
| HUP 5002Z02 MT  | ZBD45KQE-TFD             | 6  | 11.05                                                       | 9.23  | 7.67  | 6.34  |
| HUP 5002Z03 MT  | ZBD48KQE-TFD             | 7  | 12.40                                                       | 10.40 | 8.63  | 7.13  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| HMBP            | Compressor/<br>Compresor |      | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp   | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dis=10m        | L                          | S    |                       |       |                                         |
|                 |                          |      |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP 3501Z03 MS  | CAJ9510Z                 | 0.75 | 3.26                             | 9                      | 1x350                                          | 1219 | 6     | 1-230                       | 74                       | 0.37 | 51              | 3/8"                       | 5/8" | 49                    | 8.37  | 2                                       |
| HUP 3501Z04 MS  | CAJ9513Z                 | 1    | 3.64                             | 12                     | 1x350                                          | 1127 | 6     | 1-230                       | 74                       | 0.37 | 51              | 3/8"                       | 5/8" | 50                    | 10.47 | 2                                       |
| HUP 4001Z04 MT  | TAJ4519Z                 | 1.5  | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1-230                       | 108                      | 0.52 | 50              | 3/8"                       | 5/8" | 54                    | 5.32  | 2                                       |
| HUP 4501Z02 MS  | FH4524Z-XC3A             | 2    | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 67                    | 19.30 | 4                                       |
| HUP 4501Z02 MT  | FH4524Z-XG1A             | 2    | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 54              | 3/8"                       | 5/8" | 67                    | 7.50  | 4                                       |
| HUP 4501Z03 MS  | FH4532Z-XC3A             | 2.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 54              | 3/8"                       | 7/8" | 69                    | 27.50 | 4                                       |
| HUP 4501Z03 MT  | FH4532Z-XG1A             | 2.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 56              | 3/8"                       | 7/8" | 69                    | 9.40  | 4                                       |
| HUP 4501Z03P MT | FH4538Z-XG1A             | 3    | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 59              | 1/2"                       | 7/8" | 79                    | 10.40 | 4                                       |
| HUP 5001Z03 MT  | TAG4546Z                 | 4    | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 63              | 1/2"                       | 7/8" | 85                    | 12.70 | 6                                       |
| HUP 5001Z04 MT  | TAG4561Z                 | 5    | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 64              | 1/2"                       | 7/8" | 96                    | 15.30 | 6                                       |
| HUP 5002Z02 MT  | TAG4568Z                 | 6    | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 115                   | 17.80 | 8                                       |
| HUP 5002Z02 MT  | TAG4573Z                 | 7    | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 63              | 1/2"                       | 7/8" | 115                   | 20.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |      | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-----------------|--------------------------|------|-------------------------------------------------------------|-------|------|-------|-------|
|                 | Model/<br>Modelo         | Hp   | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                 |                          |      | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUP 3501Z03 MS  | CAJ9510Z                 | 0.75 | 2.10                                                        | 1.69  | 1.34 | 1.05  | 0.80  |
| HUP 3501Z04 MS  | TAJ9513Z                 | 1    | 2.62                                                        | 2.08  | 1.62 | 1.24  | 0.92  |
| HUP 4001Z04 MT  | TAJ4519Z                 | 1.5  | 3.81                                                        | 3.07  | 2.44 | 1.91  | 1.45  |
| HUP 4501Z02 MS  | FH4524Z-XC3A             | 2    | 5.22                                                        | 4.25  | 3.40 | 2.64  | 1.96  |
| HUP 4501Z02 MT  | FH4524Z-XG1A             | 2    | 4.70                                                        | 3.70  | 2.86 | 2.13  | 1.52  |
| HUP 4501Z03 MS  | FH4532Z-XC3A             | 2.5  | 6.03                                                        | 4.83  | 3.77 | 2.81  | 1.91  |
| HUP 4501Z03 MT  | FH4532Z-XG1A             | 2.5  | 5.95                                                        | 4.72  | 3.68 | 2.80  | 2.04  |
| HUP 4501Z03P MT | FH4538Z-XG1A             | 3    | 7.58                                                        | 6.06  | 4.77 | 3.68  | 2.73  |
| HUP 5001Z03 MT  | TAG4546Z                 | 4    | 8.86                                                        | 6.81  | 5.13 | 3.75  | 2.63  |
| HUP 5001Z04 MT  | TAG4561Z                 | 5    | 11.03                                                       | 8.62  | 6.62 | 4.95  | 3.56  |
| HUP 5002Z02 MT  | TAG4568Z                 | 6    | 12.95                                                       | 10.21 | 7.92 | 6.00  | 4.40  |
| HUP 5002Z02 MT  | TAG4573Z                 | 7    | 13.80                                                       | 10.88 | 8.47 | 6.46  | 4.80  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

Tecumseh

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP 4001Z02 LS | CAJ2446Z                 | 1   | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1~230                       | 108                      | 0.52 | 50              | 3/8"                       | 1/2" | 48                    | 8.42  | 2                                       |
| HUP 4001Z03 LT | TAJ2464Z                 | 1.5 | 4.74                             | 11                     | 1x400                                          | 1877 | 6     | 1~230                       | 108                      | 0.52 | 53              | 3/8"                       | 5/8" | 49                    | 3.82  | 2                                       |
| HUP 4501Z02 LS | FH2480Z-XC3A             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 50                    | 17.20 | 4                                       |
| HUP 4501Z02 LT | FH2480Z-XG1A             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 50                    | 6.00  | 4                                       |
| HUP 4501Z04 LS | FH2511Z-XC3A             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 55              | 1/2"                       | 5/8" | 68                    | 25.20 | 4                                       |
| HUP 4501Z04 LT | FH2511Z-XG1A             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.20 | 58              | 1/2"                       | 5/8" | 68                    | 6.20  | 4                                       |
| HUP 5001Z03 LT | TAG2516Z                 | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 55              | 1/2"                       | 7/8" | 84                    | 11.11 | 6                                       |
| HUP 5001Z04 LT | TAG2522Z                 | 6   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 58              | 1/2"                       | 7/8" | 116                   | 13.80 | 8                                       |
| HUP 5002Z02 LT | TAG2525Z                 | 6.5 | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 120                   | 15.90 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4001Z02 LS | CAJ2446Z                 | 1   | 1.45                                                        | 1.13  | 0.86  | 0.64  | 0.45  |
| HUP 4001Z03 LT | TAJ2464Z                 | 1.5 | 1.86                                                        | 1.45  | 1.10  | 0.82  | 0.60  |
| HUP 4501Z02 LS | FH2480Z-XC3A             | 2   | 2.82                                                        | 2.17  | 1.63  | 1.18  | 0.79  |
| HUP 4501Z02 LT | FH2480Z-XG1A             | 2   | 2.70                                                        | 2.11  | 1.61  | 1.18  | 0.81  |
| HUP 4501Z04 LS | FH2511Z-XC3A             | 3   | 3.90                                                        | 3.00  | 2.24  | 1.61  | 1.10  |
| HUP 4501Z04 LT | FH2511Z-XG1A             | 3   | 3.90                                                        | 2.97  | 2.20  | 1.59  | 1.09  |
| HUP 5001Z03 LT | TAG2516Z                 | 4   | 5.67                                                        | 4.32  | 3.21  | 2.30  | 1.59  |
| HUP 5001Z04 LT | TAG2522Z                 | 6   | 6.98                                                        | 5.29  | 3.92  | 2.83  | 1.95  |
| HUP 5002Z02 LT | TAG2525Z                 | 6.5 | 7.48                                                        | 5.75  | 4.33  | 3.16  | 2.20  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R404A / R507A

| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUP 4501Z03 MS  | YM34E2G-100              | 2   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 62                    | 17.40 | 4                                       |
| HUP 4501Z03 MT  | YM34E1G-100              | 2   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 62                    | 6.40  | 4                                       |
| HUP 4501Z04 MS  | YM43E2G-100              | 2.5 | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 63                    | 18.40 | 4                                       |
| HUP 4501Z04 MT  | YM43E1G-100              | 2.5 | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 63                    | 7.80  | 4                                       |
| HUP 4501Z04 MS  | YM49E2G-100              | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 290                      | 1.3  | 49              | 1/2"                       | 7/8"   | 64                    | 20.30 | 4                                       |
| HUP 4501Z04 MT  | YM49E1G-100              | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2  | 49              | 1/2"                       | 7/8"   | 64                    | 10.20 | 4                                       |
| HUP 5001Z03 MT  | YM70E1G-100              | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 78                    | 11.30 | 6                                       |
| HUP 5001Z05 MT  | YM86E1G-100              | 5   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1-230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8"   | 81                    | 14.10 | 6                                       |
| HUP 5002Z02 MT  | YM102E1G-100             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.6  | 52              | 1/2"                       | 7/8"   | 90                    | 17.10 | 8                                       |
| HUP 5002Z03 MT  | YM125E1G-100             | 7   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.6  | 52              | 5/8"                       | 1 1/8" | 92                    | 20.10 | 8                                       |
| HUP 5002Z04 MT  | YM132E1G-100             | 8   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.6  | 54              | 5/8"                       | 1 1/8" | 97                    | 21.00 | 10                                      |
| HUP 5002Z05P MT | YM182E1G-100             | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1-230                       | 580                      | 2.6  | 53              | 5/8"                       | 1 1/8" | 130                   | 26.20 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                 |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUP 4501Z03 MS  | YM34E2G-100              | 2   | 5.48                                                        | 4.64  | 3.91  | 3.28  | 2.73  | 2.25  |
| HUP 4501Z03 MT  | YM34E1G-100              | 2   | 5.48                                                        | 4.64  | 3.91  | 3.28  | 2.73  | 2.25  |
| HUP 4501Z04 MS  | YM43E2G-100              | 2.5 | 6.55                                                        | 5.54  | 4.67  | 3.92  | 3.26  | 2.69  |
| HUP 4501Z04 MT  | YM43E1G-100              | 2.5 | 6.55                                                        | 5.54  | 4.67  | 3.92  | 3.26  | 2.69  |
| HUP 4501Z04 MS  | YM49E2G-100              | 3   | 7.46                                                        | 6.32  | 5.32  | 4.46  | 3.72  | 3.07  |
| HUP 4501Z04 MT  | YM49E1G-100              | 3   | 7.46                                                        | 6.32  | 5.32  | 4.46  | 3.72  | 3.07  |
| HUP 5001Z03 MT  | YM70E1G-100              | 4   | 10.66                                                       | 9.02  | 7.60  | 6.38  | 5.31  | 4.38  |
| HUP 5001Z05 MT  | YM86E1G-100              | 5   | 13.10                                                       | 11.09 | 9.34  | 7.83  | 6.53  | 5.38  |
| HUP 5002Z02 MT  | YM102E1G-100             | 6   | 15.54                                                       | 13.15 | 11.08 | 9.29  | 7.74  | 6.39  |
| HUP 5002Z03 MT  | YM125E1G-100             | 7   | 19.04                                                       | 16.11 | 13.58 | 11.39 | 9.49  | 7.83  |
| HUP 5002Z04 MT  | YM132E1G-100             | 8   | 20.11                                                       | 17.02 | 14.34 | 12.02 | 10.02 | 8.26  |
| HUP 5002Z05P MT | YM182E1G-100             | 10  | 27.72                                                       | 23.46 | 19.77 | 16.58 | 13.81 | 11.40 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP 4501Z02 LS  | YF13E2G-Q100             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 53              | 3/8"                       | 7/8" | 61                    | 14.74 | 4                                       |
| HUP 4501Z02 LT  | YF13E1G-Q100             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 52              | 3/8"                       | 7/8" | 61                    | 5.34  | 4                                       |
| HUP 4501Z03 LS  | YF17E2G-Q100             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.2  | 52              | 3/8"                       | 7/8" | 62                    | 15.54 | 4                                       |
| HUP 4501Z03 LT  | YF17E1G-Q100             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.2  | 52              | 3/8"                       | 7/8" | 62                    | 6.54  | 4                                       |
| HUP 4501Z04 LS  | YF20E2G-Q100             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2  | 52              | 1/2"                       | 7/8" | 63                    | 17.40 | 4                                       |
| HUP 4501Z04 LT  | YF20E1G-Q100             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2  | 52              | 1/2"                       | 7/8" | 63                    | 7.00  | 4                                       |
| HUP 4501Z03P LT | YF29E1G-Q100             | 4   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.2  | 57              | 1/2"                       | 7/8" | 78                    | 10.00 | 6                                       |
| HUP 5001Z04 LT  | YF35E1G-Q100             | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 58              | 1/2"                       | 7/8" | 80                    | 11.60 | 6                                       |
| HUP 5002Z02 LT  | YF41E1G-Q100             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 59              | 1/2"                       | 7/8" | 90                    | 14.70 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4001Z04 LS  | YF13E2G-Q100             | 2   | 2.94                                                        | 2.45  | 2.02  | 1.66  | 1.34  |
| HUP 4001Z04 LT  | YF13E1G-Q100             | 2   | 2.94                                                        | 2.45  | 2.02  | 1.66  | 1.34  |
| HUP 4501Z03 LS  | YF17E2G-Q100             | 2.5 | 3.75                                                        | 3.13  | 2.58  | 2.12  | 1.72  |
| HUP 4501Z03 LT  | YF17E1G-Q100             | 2.5 | 3.75                                                        | 3.13  | 2.58  | 2.12  | 1.72  |
| HUP 4501Z04 LS  | YF20E2G-Q100             | 3   | 4.41                                                        | 3.67  | 3.04  | 2.48  | 2.02  |
| HUP 4501Z04 LT  | YF20E1G-Q100             | 3   | 4.41                                                        | 3.67  | 3.04  | 2.48  | 2.02  |
| HUP 4501Z03P LT | YF29E1G-Q100             | 4   | 6.67                                                        | 5.56  | 4.59  | 3.76  | 3.05  |
| HUP 5001Z04 LT  | YF35E1G-Q100             | 5   | 7.91                                                        | 6.60  | 5.45  | 4.46  | 3.62  |
| HUP 5002Z02 LT  | YF41E1G-Q100             | 6   | 9.27                                                        | 7.73  | 6.38  | 5.22  | 4.24  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R404A / R507A

| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | kW                       | m²   | W               | A                          | dBA  | inch                  | inch  | Kg                                      |
| HUP 5001Z03 MT | YIM38E1G-100             | 3  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 53              | 3/8"                       | 7/8" | 78                    | 14.60 | 4                                       |
| HUP 5001Z03 MT | YIM42E1G-100             | 4  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 53              | 3/8"                       | 7/8" | 78                    | 14.60 | 6                                       |
| HUP 5001Z05 MT | YIM50E1G-100             | 5  | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 81                    | 14.60 | 6                                       |
| HUP 5002Z02 MT | YIM60E1G-100             | 6  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.6  | 53              | 1/2"                       | 7/8" | 90                    | 15.90 | 8                                       |
| HUP 5002Z03 MT | YIM72E1G-100             | 7  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.6  | 53              | 1/2"                       | 7/8" | 92                    | 18.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUP 5001Z03 MT | YIM38E1G-100             | 3  | 8.99                                                        | 7.71  | 6.57  | 5.55  | 4.57  | 3.60  |
| HUP 5001Z03 MT | YIM42E1G-100             | 4  | 9.94                                                        | 8.52  | 7.27  | 6.13  | 5.05  | 3.98  |
| HUP 5001Z05 MT | YIM50E1G-100             | 5  | 11.83                                                       | 10.14 | 8.65  | 7.30  | 6.02  | 4.74  |
| HUP 5002Z02 MT | YIM60E1G-100             | 6  | 14.20                                                       | 12.17 | 10.38 | 8.76  | 7.22  | 5.69  |
| HUP 5002Z03 MT | YIM72E1G-100             | 7  | 17.04                                                       | 14.60 | 12.46 | 10.51 | 8.66  | 6.83  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A               | dBA                        | inch | inch                  | Kg   | A                                       | L |
| HUP 5001Z04 LT | YIF50E1G-Q100            | 5  | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30            | 53                         | 1/2" | 7/8"                  | 80   | 14.60                                   | 6 |
| HUP 5002Z02 LT | YIF60E1G-Q100            | 6  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60            | 53                         | 1/2" | 7/8"                  | 90   | 15.90                                   | 8 |
| HUP 5002Z03 LT | YIF72E1G-Q100            | 7  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60            | 53                         | 1/2" | 7/8"                  | 92   | 15.90                                   | 8 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 5001Z04 LT | YIF50E1G-Q100            | 5  | 7.31                                                        | 6.10  | 5.04  | 4.12  | 3.34  |
| HUP 5002Z02 LT | YIF60E1G-Q100            | 6  | 8.77                                                        | 7.32  | 6.04  | 4.94  | 4.01  |
| HUP 5002Z03 LT | YIF72E1G-Q100            | 7  | 10.53                                                       | 8.78  | 7.25  | 5.93  | 4.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    | Kg                    | A    | L                                       |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUP 3001Z02 MS | NEU6212GK                | 1/2   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 34                    | 3.1  | 1                                       |
| HUP 3001Z02 MS | NEU6215GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.2  | 1                                       |
| HUP 3001Z03 MS | NEU6220GK                | 3/4   | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 36                    | 5.0  | 1                                       |
| HUP 3001Z04 MS | NT6222GK                 | 1     | 2.64                             | 10                     | 1x300                                          | 720  | 6     | 1-230                       | 55                       | 0.26 | 39              | 1/4"                       | 1/2" | 42                    | 5.2  | 2                                       |
| HUP 4001Z02 MS | NT6226GK                 | 1     | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 46                    | 6.8  | 2                                       |
| HUP 4001Z02 MS | NJ9232GK                 | 1 1/4 | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 6.8  | 2                                       |
| HUP 4001Z04 MS | NJ9238GK                 | 1 1/2 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1-230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 52                    | 8.8  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP 3001Z02 MS | NEU6212GK                | 1/2   | 1.15                                                        | 0.97 | 0.80 | 0.66  | 0.53  |
| HUP 3001Z02 MS | NEU6215GK                | 3/4   | 1.58                                                        | 1.33 | 1.11 | 0.92  | 0.75  |
| HUP 3001Z03 MS | NEU6220GK                | 3/4   | 1.85                                                        | 1.56 | 1.30 | 1.07  | 0.87  |
| HUP 3001Z04 MS | NT6222GK                 | 1     | 2.02                                                        | 1.69 | 1.39 | 1.13  | 0.91  |
| HUP 4001Z02 MS | NT6226GK                 | 1     | 2.69                                                        | 2.25 | 1.85 | 1.51  | 1.21  |
| HUP 4001Z02 MS | NJ9232GK                 | 1 1/4 |                                                             | 2.49 | 2.01 | 1.58  | 1.20  |
| HUP 4001Z04 MS | NJ9238GK                 | 1 1/2 |                                                             | 3.04 | 2.52 | 2.05  | 1.63  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP            | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUP 3001Z02 LS | EHU2150GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 33                    | 3.1  | 1                                       |
| HUP 3001Z02 LS | EHU2160GK                | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 33                    | 3.3  | 1                                       |
| HUP 3001Z02 LS | NEU2168GKA               | 3/4   | 2.10                             | 5                      | 1x300                                          | 910  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.4  | 1                                       |
| HUP 3001Z03 LS | NEU2178GKA               | 1     | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 36                    | 4.5  | 2                                       |
| HUP 3001Z03 LS | NEX2183GKA               | 1     | 2.52                             | 8                      | 1x300                                          | 810  | 6     | 1~230                       | 55                       | 0.26 | 39              | 1/4"                       | 3/8" | 35                    | 4.3  | 2                                       |
| HUP 4001Z02 LS | NJ2192GJ                 | 1 1/4 | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1~230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 6.3  | 2                                       |
| HUP 4001Z03 LS | NJ2212GJ                 | 1 1/2 | 4.74                             | 11                     | 1x400                                          | 1877 | 6     | 1~230                       | 108                      | 0.52 | 42              | 1/4"                       | 1/2" | 50                    | 7.7  | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 3001Z02 LS | EHU2150GK                | 3/4   | 0.77                                                        | 0.63  | 0.50  | 0.40  | 0.31  |
| HUP 3001Z02 LS | EHU2160GK                | 3/4   | 0.86                                                        | 0.70  | 0.56  | 0.45  | 0.35  |
| HUP 3001Z02 LS | NEU2168GKA               | 3/4   | 0.92                                                        | 0.75  | 0.60  | 0.47  | 0.35  |
| HUP 3001Z03 LS | NEU2178GKA               | 1     | 1.08                                                        | 0.89  | 0.72  | 0.57  | 0.44  |
| HUP 3001Z03 LS | NEX2183GKA               | 1     | 1.15                                                        | 0.94  | 0.76  | 0.60  | 0.46  |
| HUP 4001Z02 LS | NJ2192GJ                 | 1 1/4 | 1.55                                                        | 1.25  | 0.99  | 0.76  | 0.57  |
| HUP 4001Z03 LS | NJ2212GJ                 | 1 1/2 | 1.97                                                        | 1.62  | 1.29  | 1.00  | 0.74  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   | Kg                    | A    | L                                       |
| HUP 4001Z04 MS  | ZB11KNE-PFZ              | 1.5 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1-230                       | 108                      | 0.52 | 48              | 3/8"                       | 3/4"   | 51                    | 9.1  | 2                                       |
| HUP 4001Z04 MT  | ZB11KNE-TFD              | 1.5 | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1-230                       | 108                      | 0.52 | 48              | 3/8"                       | 3/4"   | 51                    | 4.0  | 2                                       |
| HUP 4501Z02 MS  | ZB15KQE-PFJ              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 14.0 | 4                                       |
| HUP 4501Z02 MT  | ZB15KQE-TFD              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 6.1  | 4                                       |
| HUP 4501Z03 MS  | ZB19KQE-PFJ              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 13.6 | 4                                       |
| HUP 4501Z03 MT  | ZB19KQE-TFD              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 7.7  | 4                                       |
| HUP 4501Z02P MS | ZB21KQE-PFJ              | 3   | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 73                    | 17.6 | 4                                       |
| HUP 4501Z02P MT | ZB21KQE-TFD              | 3   | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 73                    | 8.4  | 4                                       |
| HUP 4501Z03P MT | ZB26KQE-TFD              | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4"   | 74                    | 10.1 | 4                                       |
| HUP 5001Z03 MT  | ZB29KQE-TFD              | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 97                    | 11.3 | 6                                       |
| HUP 5001Z05 MT  | ZB38KQE-TFD              | 5   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1-230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8"   | 100                   | 14.1 | 6                                       |
| HUP 5002Z02 MT  | ZB45KQE-TFD              | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 102                   | 15.7 | 8                                       |
| HUP 5002Z03 MT  | ZB48KQE-TFD              | 7   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8"   | 104                   | 16.6 | 8                                       |
| HUP 5002Z04 MT  | ZB58KQE-TFD              | 8   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 108                   | 18.5 | 10                                      |
| HUP 5002Z05P MT | ZB76KQE-TFD              | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 130                   | 23.0 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP 4001Z04 MS  | ZB11KNE-PFZ              | 1.5 | 2.67                                                        | 2.21  | 1.81  | 1.47  |
| HUP 4001Z04 MT  | ZB11KNE-TFD              | 1.5 | 2.63                                                        | 2.18  | 1.79  | 1.45  |
| HUP 4501Z02 MS  | ZB15KQE-PFJ              | 2   | 3.61                                                        | 3.01  | 2.48  | 2.02  |
| HUP 4501Z02 MT  | ZB15KQE-TFD              | 2   | 3.21                                                        | 2.56  | 2.00  | 1.49  |
| HUP 4501Z03 MS  | ZB19KQE-PFJ              | 2.5 | 3.92                                                        | 3.19  | 2.56  | 2.03  |
| HUP 4501Z03 MT  | ZB19KQE-TFD              | 2.5 | 4.09                                                        | 3.33  | 2.67  | 2.13  |
| HUP 4501Z02P MS | ZB21KQE-PFJ              | 3   | 5.02                                                        | 4.08  | 3.27  | 2.60  |
| HUP 4501Z02P MT | ZB21KQE-TFD              | 3   | 4.92                                                        | 3.99  | 3.21  | 2.54  |
| HUP 4501Z03P MT | ZB26KQE-TFD              | 3.5 | 5.75                                                        | 4.67  | 3.75  | 2.97  |
| HUP 5001Z03 MT  | ZB29KQE-TFD              | 4   | 7.44                                                        | 6.07  | 4.91  | 3.91  |
| HUP 5001Z05 MT  | ZB38KQE-TFD              | 5   | 8.42                                                        | 6.83  | 5.49  | 4.35  |
| HUP 5002Z02 MT  | ZB45KQE-TFD              | 6   | 9.83                                                        | 8.00  | 6.42  | 5.10  |
| HUP 5002Z03 MT  | ZB48KQE-TFD              | 7   | 10.83                                                       | 8.80  | 7.06  | 5.60  |
| HUP 5002Z04 MT  | ZB58KQE-TFD              | 8   | 13.12                                                       | 10.55 | 8.22  | 6.07  |
| HUP 5002Z05P MT | ZB76KQE-TFD              | 10  | 17.51                                                       | 14.22 | 11.31 | 8.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |      |                                         |
| HUP 4501Z02 LS  | ZSI06KQE-PFS             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 55                    | 14.8 | 4                                       |
| HUP 4501Z02 LT  | ZSI06KQE-TFP             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 50              | 3/8"                       | 3/4" | 55                    | 6.9  | 4                                       |
| HUP 4501Z03 LS  | ZSI08KQE-PFS             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 56                    | 16.8 | 4                                       |
| HUP 4501Z03 LT  | ZSI08KQE-TFP             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4" | 56                    | 7.3  | 4                                       |
| HUP 4501Z03 LT  | ZSI09KQE-TFP             | 3   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 57                    | 7.9  | 4                                       |
| HUP 4501Z03P LT | ZSI11KQE-TFP             | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 290                      | 1.30 | 50              | 1/2"                       | 7/8" | 74                    | 8.8  | 4                                       |
| HUP 5001Z03 LT  | ZSI14KQE-TFP             | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 51              | 1/2"                       | 7/8" | 97                    | 10.5 | 6                                       |
| HUP 5001Z04 LT  | ZSI15KQE-TFP             | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 98                    | 13.2 | 6                                       |
| HUP 5002Z02 LT  | ZSI18KQE-TFP             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 102                   | 15.8 | 8                                       |
| HUP 5002Z02 LT  | ZSI21KQE-TFP             | 7   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 102                   | 17.2 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4501Z02 LS  | ZSI06KQE-PFS             | 2   | 2.91                                                        | 2.34  | 1.87  | 1.48  | 1.16  |
| HUP 4501Z02 LT  | ZSI06KQE-TFP             | 2   | 2.79                                                        | 2.22  | 1.75  | 1.36  | 1.03  |
| HUP 4501Z03 LS  | ZSI08KQE-PFS             | 2.5 | 3.46                                                        | 2.79  | 2.22  | 1.75  | 1.36  |
| HUP 4501Z03 LT  | ZSI08KQE-TFP             | 2.5 | 3.39                                                        | 2.72  | 2.17  | 1.71  | 1.35  |
| HUP 4501Z03 LT  | ZSI09KQE-TFP             | 3   | 3.75                                                        | 3.03  | 2.41  | 1.87  | 1.40  |
| HUP 4501Z03P LT | ZSI11KQE-TFP             | 3.5 | 4.86                                                        | 3.94  | 3.18  | 2.52  | 1.92  |
| HUP 5001Z03 LT  | ZSI14KQE-TFP             | 4   | 6.18                                                        | 4.96  | 3.95  | 3.11  | 2.42  |
| HUP 5001Z04 LT  | ZSI15KQE-TFP             | 5   | 6.98                                                        | 5.70  | 4.62  | 3.67  | 2.80  |
| HUP 5002Z02 LT  | ZSI18KQE-TFP             | 6   | 8.48                                                        | 6.88  | 5.54  | 4.42  | 3.47  |
| HUP 5002Z02 LT  | ZSI21KQE-TFP             | 7   | 9.50                                                        | 7.70  | 6.19  | 4.93  | 3.89  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |      |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |      |                                         |
| HUP 4501Z02 LT  | ZF06KQE-TFD              | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 55                    | 6.2  | 4                                       |
| HUP 4501Z03 LT  | ZF08KQE-TFD              | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 49              | 3/8"                       | 3/4"   | 56                    | 7.2  | 4                                       |
| HUP 4501Z03 LT  | ZF09KQE-TFD              | 3   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.20 | 50              | 1/2"                       | 3/4"   | 56                    | 7.2  | 4                                       |
| HUP 4501Z03P LT | ZF11KQE-TFD              | 3.5 | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 51              | 1/2"                       | 7/8"   | 74                    | 8.3  | 4                                       |
| HUP 4501Z03P LT | ZF13KQE-TFD              | 4   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.20 | 51              | 1/2"                       | 7/8"   | 74                    | 9.2  | 6                                       |
| HUP 5001Z04 LT  | ZF15KQE-TFD              | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8"   | 98                    | 11.3 | 6                                       |
| HUP 5002Z02 LT  | ZF18KQE-TFD              | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8"   | 102                   | 15.1 | 8                                       |
| HUP 5002Z03 LT  | ZF25KQE-TFD              | 7.5 | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 104                   | 16.3 | 8                                       |
| HUP 5002Z04 LT  | ZF28KQE-TFD              | 9   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1-230                       | 580                      | 2.60 | 54              | 1/2"                       | 7/8"   | 108                   | 19.4 | 10                                      |
| HUP 5002Z04P LT | ZF34KQE-TFD              | 10  | 29.07                            | 88                     | 2x550                                          | 8659 | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 128                   | 27.6 | 15                                      |
| HUP 5002Z05P LT | ZF41KQE-TFD              | 13  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 130                   | 31.6 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4501Z02 LT  | ZF06KQE-TFD              | 2   | 3.27                                                        | 2.69  | 2.19  | 1.76  | 1.41  |
| HUP 4501Z03 LT  | ZF08KQE-TFD              | 2.5 | 4.04                                                        | 3.33  | 2.72  | 2.19  | 1.75  |
| HUP 4501Z03 LT  | ZF09KQE-TFD              | 3   | 4.46                                                        | 3.67  | 3.00  | 2.43  | 1.94  |
| HUP 4501Z03P LT | ZF11KQE-TFD              | 3.5 | 5.53                                                        | 4.56  | 3.73  | 3.02  | 2.43  |
| HUP 4501Z03P LT | ZF13KQE-TFD              | 4   | 6.56                                                        | 5.30  | 4.29  | 3.46  | 2.76  |
| HUP 5001Z04 LT  | ZF15KQE-TFD              | 5   | 8.01                                                        | 6.47  | 5.24  | 4.24  | 3.41  |
| HUP 5002Z02 LT  | ZF18KQE-TFD              | 6   | 9.59                                                        | 7.76  | 6.30  | 5.13  | 4.13  |
| HUP 5002Z03 LT  | ZF25KQE-TFD              | 7.5 | 12.05                                                       | 9.90  | 8.06  | 6.48  | 5.14  |
| HUP 5002Z04 LT  | ZF28KQE-TFD              | 9   | 13.92                                                       | 11.53 | 9.36  | 7.51  | 5.94  |
| HUP 5002Z04P LT | ZF34KQE-TFD              | 10  | 14.82                                                       | 12.35 | 10.26 | 8.46  | 6.89  |
| HUP 5002Z05P LT | ZF41KQE-TFD              | 13  | 19.20                                                       | 15.80 | 12.90 | 10.45 | 8.39  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP             | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |      |
|-----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|------|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S    |
|                 |                          |    |                                  |                        |                                                |      |       |                             | W                        | A               | dBA                        | inch |                       |      |                                         | inch |
| HUP 5001Z04 LT  | ZFI20KQE-TFD             | 4  | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30            | 53                         | 1/2" | 7/8"                  | 98   | 10.3                                    | 6    |
| HUP 5002Z03 LT  | ZFI26KQE-TFD             | 6  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.60            | 53                         | 1/2" | 7/8"                  | 104  | 16.3                                    | 8    |
| HUP 5002Z04 LT  | ZFI36KQE-TFD             | 8  | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.60            | 52                         | 5/8" | 7/8"                  | 108  | 18.6                                    | 10   |
| HUP 5002Z04P LT | ZFI39KQE-TFD             | 10 | 29.07                            | 88                     | 2x550                                          | 8659 | 6     | 1~230                       | 580                      | 2.60            | 54                         | 5/8" | 7/8"                  | 128  | 20.7                                    | 15   |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 5001Z04 LT  | ZFI20KQE-TFD             | 4  | 8.49                                                        | 7.09  | 5.83  | 4.48  | 3.15  |
| HUP 5002Z03 LT  | ZFI26KQE-TFD             | 6  | 11.95                                                       | 10.10 | 8.43  | 6.64  | 4.88  |
| HUP 5002Z04 LT  | ZFI36KQE-TFD             | 8  | 14.45                                                       | 12.45 | 10.55 | 8.58  | 6.63  |
| HUP 5002Z04P LT | ZFI39KQE-TFD             | 10 | 16.95                                                       | 14.60 | 12.35 | 10.03 | 7.73  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| HMBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch | Kg                    | A     | L                                       |
| HUP 4501Z02P MT | ZBD21KQE-TFD             | 3  | 8.54                             | 18                     | 1x450                                          | 4200 | 6     | 1-230                       | 260                      | 1.20 | 49              | 1/2"                       | 3/4" | 75                    | 6.70  | 4                                       |
| HUP 5001Z03 MT  | ZBD29KQE-TFD             | 4  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8" | 99                    | 9.20  | 6                                       |
| HUP 5001Z05 MT  | ZBD38KQE-TFD             | 5  | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1-230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8" | 104                   | 12.60 | 6                                       |
| HUP 5002Z02 MT  | ZBD45KQE-TFD             | 6  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 14.00 | 8                                       |
| HUP 5002Z03 MT  | ZBD48KQE-TFD             | 7  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 52              | 1/2"                       | 7/8" | 108                   | 16.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                 |                          |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP 4501Z02P MT | ZBD21KQE-TFD             | 3  | 5.03                                                        | 4.09  | 3.27  | 2.38  |
| HUP 5001Z03 MT  | ZBD29KQE-TFD             | 4  | 6.62                                                        | 5.40  | 4.38  | 3.23  |
| HUP 5001Z05 MT  | ZBD38KQE-TFD             | 5  | 8.36                                                        | 6.82  | 5.54  | 4.08  |
| HUP 5002Z02 MT  | ZBD45KQE-TFD             | 6  | 9.93                                                        | 8.12  | 6.59  | 4.87  |
| HUP 5002Z03 MT  | ZBD48KQE-TFD             | 7  | 11.21                                                       | 9.14  | 7.42  | 5.46  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

Tecumseh

| HMBP            | Compressor/<br>Compresor |      | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp   | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |      |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |       |                                         |
| HUP 3501Z03 MS  | CAJ9510Z                 | 0.75 | 3.26                             | 9                      | 1x350                                          | 1219 | 6     | 1~230                       | 74                       | 0.37 | 51              | 3/8"                       | 5/8" | 49                    | 8.37  | 2                                       |
| HUP 3501Z04 MS  | CAJ9513Z                 | 1    | 3.64                             | 12                     | 1x350                                          | 1127 | 6     | 1~230                       | 74                       | 0.37 | 51              | 3/8"                       | 5/8" | 50                    | 10.47 | 2                                       |
| HUP 4001Z04 MT  | TAJ4519Z                 | 1.5  | 5.20                             | 15                     | 1x400                                          | 1656 | 6     | 1~230                       | 108                      | 0.52 | 50              | 3/8"                       | 5/8" | 54                    | 5.32  | 2                                       |
| HUP 4501Z02 MS  | FH4524Z-XC3A             | 2    | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 67                    | 19.30 | 4                                       |
| HUP 4501Z02 MT  | FH4524Z-XG1A             | 2    | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1~230                       | 260                      | 1.20 | 54              | 3/8"                       | 5/8" | 67                    | 7.50  | 4                                       |
| HUP 4501Z03 MS  | FH4532Z-XC3A             | 2.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 54              | 3/8"                       | 7/8" | 69                    | 27.50 | 4                                       |
| HUP 4501Z03 MT  | FH4532Z-XG1A             | 2.5  | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.20 | 56              | 3/8"                       | 7/8" | 69                    | 9.40  | 4                                       |
| HUP 4501Z03P MT | FH4538Z-XG1A             | 3    | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1~230                       | 260                      | 1.20 | 59              | 1/2"                       | 7/8" | 79                    | 10.40 | 4                                       |
| HUP 5001Z03 MT  | TAG4546Z                 | 4    | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 63              | 1/2"                       | 7/8" | 85                    | 12.70 | 6                                       |
| HUP 5001Z04 MT  | TAG4561Z                 | 5    | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1~230                       | 290                      | 1.30 | 64              | 1/2"                       | 7/8" | 96                    | 15.30 | 6                                       |
| HUP 5002Z02 MT  | TAG4568Z                 | 6    | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 115                   | 17.80 | 8                                       |
| HUP 5002Z02 MT  | TAG4573Z                 | 7    | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.60 | 63              | 1/2"                       | 7/8" | 115                   | 20.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |      | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-----------------|--------------------------|------|-------------------------------------------------------------|-------|------|-------|-------|
|                 | Model/<br>Modelo         | Hp   | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                 |                          |      | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUP 3501Z03 MS  | CAJ9510Z                 | 0.75 | 2.20                                                        | 1.76  | 1.40 | 1.09  | 0.84  |
| HUP 3501Z04 MS  | TAJ9513Z                 | 1    | 2.73                                                        | 2.17  | 1.70 | 1.30  | 0.97  |
| HUP 4001Z04 MT  | TAJ4519Z                 | 1.5  | 3.97                                                        | 3.21  | 2.56 | 2.01  | 1.53  |
| HUP 4501Z02 MS  | FH4524Z                  | 2    | 4.87                                                        | 3.84  | 2.97 | 2.24  | 1.61  |
| HUP 4501Z02 MT  | TFH4524Z                 | 2    | 4.89                                                        | 3.87  | 2.99 | 2.24  | 1.60  |
| HUP 4501Z03 MS  | FH4531Z                  | 2.5  | 6.28                                                        | 5.04  | 3.94 | 2.95  | 2.01  |
| HUP 4501Z03 MT  | TFH4531Z                 | 2.5  | 6.19                                                        | 4.93  | 3.85 | 2.93  | 2.15  |
| HUP 4501Z03P MT | TFH4540Z                 | 3    | 7.89                                                        | 6.33  | 5.00 | 3.86  | 2.88  |
| HUP 5001Z03 MT  | TAG4546Z                 | 4    | 9.23                                                        | 7.11  | 5.37 | 3.94  | 2.77  |
| HUP 5001Z04 MT  | TAG4561Z                 | 5    | 11.49                                                       | 9.00  | 6.93 | 5.20  | 3.74  |
| HUP 5002Z02 MT  | TAG4568Z                 | 6    | 13.49                                                       | 10.66 | 8.29 | 6.30  | 4.63  |
| HUP 5002Z02 MT  | TAG4573Z                 | 7    | 14.37                                                       | 11.36 | 8.86 | 6.78  | 5.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |      |       |                             |                          |      |                 |                            |      |                       |       |                                         |
| HUP 4001Z02 LS | CAJ2446Z                 | 1   | 3.82                             | 8                      | 1x400                                          | 2181 | 6     | 1-230                       | 108                      | 0.52 | 50              | 3/8"                       | 1/2" | 48                    | 8.42  | 2                                       |
| HUP 4001Z03 LT | TAJ2464Z                 | 1.5 | 4.74                             | 11                     | 1x400                                          | 1877 | 6     | 1-230                       | 108                      | 0.52 | 53              | 3/8"                       | 5/8" | 49                    | 3.82  | 2                                       |
| HUP 4501Z02 LS | FH2480Z-XC3A             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 55              | 3/8"                       | 5/8" | 50                    | 17.20 | 4                                       |
| HUP 4501Z02 LT | FH2480Z-XG1A             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 53              | 3/8"                       | 5/8" | 50                    | 6.00  | 4                                       |
| HUP 4501Z04 LS | FH2511Z-XC3A             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 55              | 1/2"                       | 5/8" | 68                    | 25.20 | 4                                       |
| HUP 4501Z04 LT | FH2511Z-XG1A             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.20 | 58              | 1/2"                       | 5/8" | 68                    | 6.20  | 4                                       |
| HUP 5001Z03 LT | TAG2516Z                 | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1-230                       | 290                      | 1.30 | 55              | 1/2"                       | 7/8" | 84                    | 11.11 | 6                                       |
| HUP 5001Z04 LT | TAG2522Z                 | 6   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 58              | 1/2"                       | 7/8" | 116                   | 13.80 | 8                                       |
| HUP 5002Z02 LT | TAG2525Z                 | 6.5 | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 64              | 1/2"                       | 7/8" | 120                   | 15.90 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4001Z02 LS | CAJ2446Z                 | 1   | 1.53                                                        | 1.19  | 0.91  | 0.67  | 0.48  |
| HUP 4001Z03 LT | TAJ2464Z                 | 1.5 | 1.95                                                        | 1.52  | 1.17  | 0.87  | 0.63  |
| HUP 4501Z02 LS | FH2480Z                  | 2   | 2.96                                                        | 2.29  | 1.72  | 1.25  | 0.84  |
| HUP 4501Z02 LT | TFH2480Z                 | 2   | 2.84                                                        | 2.22  | 1.69  | 1.25  | 0.87  |
| HUP 4501Z04 LS | FH2511Z                  | 3   | 4.10                                                        | 3.15  | 2.36  | 1.71  | 1.17  |
| HUP 4501Z04 LT | TFH2511Z                 | 3   | 4.09                                                        | 3.12  | 2.33  | 1.68  | 1.16  |
| HUP 5001Z03 LT | TAG2516Z                 | 4   | 5.95                                                        | 4.55  | 3.39  | 2.44  | 1.69  |
| HUP 5001Z04 LT | TAG2522Z                 | 6   | 7.33                                                        | 5.57  | 4.14  | 3.00  | 2.08  |
| HUP 5002Z02 LT | TAG2525Z                 | 6.5 | 7.85                                                        | 6.06  | 4.57  | 3.35  | 2.35  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUP 4501Z03 MS  | YM34E2G-100              | 2   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 62                    | 17.40 | 4                                       |
| HUP 4501Z03 MT  | YM34E1G-100              | 2   | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1~230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 62                    | 6.40  | 4                                       |
| HUP 4501Z04 MS  | YM43E2G-100              | 2.5 | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 63                    | 18.40 | 4                                       |
| HUP 4501Z04 MT  | YM43E1G-100              | 2.5 | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2  | 49              | 3/8"                       | 7/8"   | 63                    | 7.80  | 4                                       |
| HUP 4501Z04 MS  | YM49E2G-100              | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 290                      | 1.3  | 49              | 1/2"                       | 7/8"   | 64                    | 20.30 | 4                                       |
| HUP 4501Z04 MT  | YM49E1G-100              | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1~230                       | 260                      | 1.2  | 49              | 1/2"                       | 7/8"   | 64                    | 10.20 | 4                                       |
| HUP 5001Z03 MT  | YM70E1G-100              | 4   | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 78                    | 11.30 | 6                                       |
| HUP 5001Z05 MT  | YM86E1G-100              | 5   | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 52              | 1/2"                       | 7/8"   | 81                    | 14.10 | 6                                       |
| HUP 5002Z02 MT  | YM102E1G-100             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.6  | 52              | 1/2"                       | 7/8"   | 90                    | 17.10 | 8                                       |
| HUP 5002Z03 MT  | YM125E1G-100             | 7   | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.6  | 52              | 5/8"                       | 1 1/8" | 92                    | 20.10 | 8                                       |
| HUP 5002Z04 MT  | YM132E1G-100             | 8   | 25.28                            | 69                     | 2x500                                          | 7932 | 6     | 1~230                       | 580                      | 2.6  | 54              | 5/8"                       | 1 1/8" | 97                    | 21.00 | 10                                      |
| HUP 5002Z05P MT | YM182E1G-100             | 10  | 30.92                            | 110                    | 2x500                                          | 8259 | 6     | 1~230                       | 580                      | 2.6  | 53              | 5/8"                       | 1 1/8" | 130                   | 26.20 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                 |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUP 4501Z03 MS  | YM34E2G-100              | 2   | 5.46                                                        | 4.61  | 3.88  | 3.25  | 2.71  | 2.23  |
| HUP 4501Z03 MT  | YM34E1G-100              | 2   | 5.46                                                        | 4.61  | 3.88  | 3.25  | 2.71  | 2.23  |
| HUP 4501Z04 MS  | YM43E2G-100              | 2.5 | 6.52                                                        | 5.51  | 4.64  | 3.88  | 3.24  | 2.67  |
| HUP 4501Z04 MT  | YM43E1G-100              | 2.5 | 6.52                                                        | 5.51  | 4.64  | 3.88  | 3.24  | 2.67  |
| HUP 4501Z04 MS  | YM49E2G-100              | 3   | 7.43                                                        | 6.28  | 5.29  | 4.43  | 3.68  | 3.04  |
| HUP 4501Z04 MT  | YM49E1G-100              | 3   | 7.43                                                        | 6.28  | 5.29  | 4.43  | 3.68  | 3.04  |
| HUP 5001Z03 MT  | YM70E1G-100              | 4   | 10.61                                                       | 8.97  | 7.55  | 6.33  | 5.27  | 4.34  |
| HUP 5001Z05 MT  | YM86E1G-100              | 5   | 13.04                                                       | 11.01 | 9.28  | 7.77  | 6.47  | 5.34  |
| HUP 5002Z02 MT  | YM102E1G-100             | 6   | 15.46                                                       | 13.07 | 11.00 | 9.22  | 7.67  | 6.33  |
| HUP 5002Z03 MT  | YM125E1G-100             | 7   | 18.95                                                       | 16.02 | 13.49 | 11.30 | 9.41  | 7.76  |
| HUP 5002Z04 MT  | YM132E1G-100             | 8   | 20.00                                                       | 16.91 | 14.24 | 11.93 | 9.94  | 8.19  |
| HUP 5002Z05P MT | YM182E1G-100             | 10  | 27.59                                                       | 23.32 | 19.63 | 16.44 | 13.70 | 11.29 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP             | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                 | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             |                          |      |                 |                            |      |                       |       |                                         |
|                 |                          |     |                                  |                        |                                                |      |       |                             |                          |      |                 |                            |      |                       |       |                                         |
|                 |                          |     | kW                               | m²                     |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch | Kg                    | A     | L                                       |
| HUP 4501Z02 LS  | YF13E2G-Q100             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 53              | 3/8"                       | 7/8" | 61                    | 14.74 | 4                                       |
| HUP 4501Z02 LT  | YF13E1G-Q100             | 2   | 5.99                             | 10                     | 1x450                                          | 3475 | 6     | 1-230                       | 260                      | 1.20 | 52              | 3/8"                       | 7/8" | 61                    | 5.34  | 4                                       |
| HUP 4501Z03 LS  | YF17E2G-Q100             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.2  | 52              | 3/8"                       | 7/8" | 62                    | 15.54 | 4                                       |
| HUP 4501Z03 LT  | YF17E1G-Q100             | 2.5 | 7.45                             | 15                     | 1x450                                          | 3062 | 6     | 1-230                       | 260                      | 1.2  | 52              | 3/8"                       | 7/8" | 62                    | 6.54  | 4                                       |
| HUP 4501Z04 LS  | YF20E2G-Q100             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2  | 52              | 1/2"                       | 7/8" | 63                    | 17.40 | 4                                       |
| HUP 4501Z04 LT  | YF20E1G-Q100             | 3   | 8.23                             | 20                     | 1x450                                          | 2706 | 6     | 1-230                       | 260                      | 1.2  | 52              | 1/2"                       | 7/8" | 63                    | 7.00  | 4                                       |
| HUP 4501Z03P LT | YF29E1G-Q100             | 4   | 11.01                            | 27                     | 1x450                                          | 3981 | 6     | 1-230                       | 260                      | 1.2  | 57              | 1/2"                       | 7/8" | 78                    | 10.00 | 6                                       |
| HUP 5001Z04 LT  | YF35E1G-Q100             | 5   | 13.99                            | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 58              | 1/2"                       | 7/8" | 80                    | 11.60 | 6                                       |
| HUP 5002Z02 LT  | YF41E1G-Q100             | 6   | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 59              | 1/2"                       | 7/8" | 90                    | 14.70 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP             | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                 | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                 |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 4001Z04 LS  | YF13E2G-Q100             | 2   | 2.81                                                        | 2.34  | 1.93  | 1.58  | 1.28  |
| HUP 4001Z04 LT  | YF13E1G-Q100             | 2   | 2.81                                                        | 2.34  | 1.93  | 1.58  | 1.28  |
| HUP 4501Z03 LS  | YF17E2G-Q100             | 2.5 | 3.58                                                        | 2.99  | 2.46  | 2.02  | 1.64  |
| HUP 4501Z03 LT  | YF17E1G-Q100             | 2.5 | 3.58                                                        | 2.99  | 2.46  | 2.02  | 1.64  |
| HUP 4501Z04 LS  | YF20E2G-Q100             | 3   | 4.21                                                        | 3.50  | 2.90  | 2.37  | 1.93  |
| HUP 4501Z04 LT  | YF20E1G-Q100             | 3   | 4.21                                                        | 3.50  | 2.90  | 2.37  | 1.93  |
| HUP 4501Z03P LT | YF29E1G-Q100             | 4   | 6.37                                                        | 5.31  | 4.38  | 3.59  | 2.91  |
| HUP 5001Z04 LT  | YF35E1G-Q100             | 5   | 7.55                                                        | 6.30  | 5.20  | 4.26  | 3.46  |
| HUP 5002Z02 LT  | YF41E1G-Q100             | 6   | 8.85                                                        | 7.38  | 6.09  | 4.98  | 4.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUP 5001Z03 MT | YIM38E1G-100             | 3  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 53              | 3/8"                       | 7/8" | 78                    | 14.60 | 4                                       |
| HUP 5001Z03 MT | YIM42E1G-100             | 4  | 12.38                            | 31                     | 1x500                                          | 4475 | 6     | 1~230                       | 290                      | 1.30 | 53              | 3/8"                       | 7/8" | 78                    | 14.60 | 6                                       |
| HUP 5001Z05 MT | YIM50E1G-100             | 5  | 14.85                            | 51                     | 1x500                                          | 4027 | 6     | 1~230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 81                    | 14.60 | 6                                       |
| HUP 5002Z02 MT | YIM60E1G-100             | 6  | 17.76                            | 34                     | 2x500                                          | 9143 | 6     | 1~230                       | 580                      | 2.6  | 53              | 1/2"                       | 7/8" | 90                    | 15.90 | 8                                       |
| HUP 5002Z03 MT | YIM72E1G-100             | 7  | 22.03                            | 51                     | 2x500                                          | 8489 | 6     | 1~230                       | 580                      | 2.6  | 53              | 1/2"                       | 7/8" | 92                    | 18.60 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUP 5001Z03 MT | YIM38E1G-100             | 3  | 8.12                                                        | 6.96  | 5.93  | 5.01  | 4.13  | 3.25  |
| HUP 5001Z03 MT | YIM42E1G-100             | 4  | 8.97                                                        | 7.69  | 6.56  | 5.53  | 4.56  | 3.59  |
| HUP 5001Z05 MT | YIM50E1G-100             | 5  | 10.68                                                       | 9.15  | 7.81  | 6.58  | 5.43  | 4.28  |
| HUP 5002Z02 MT | YIM60E1G-100             | 6  | 12.82                                                       | 10.98 | 9.37  | 7.90  | 6.51  | 5.14  |
| HUP 5002Z03 MT | YIM72E1G-100             | 7  | 15.38                                                       | 13.18 | 11.24 | 9.48  | 7.82  | 6.16  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador         |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|-----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad/<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                |                          |    |                                   |                        |                                                |      |       |                             | W                        | A    | dBa             | inch                       | inch |                       |       |                                         |
| HUP 5001Z04 LT | YIF50E1G-Q100            | 5  | 13.99                             | 41                     | 1x500                                          | 4232 | 6     | 1-230                       | 290                      | 1.30 | 53              | 1/2"                       | 7/8" | 80                    | 14.60 | 6                                       |
| HUP 5002Z02 LT | YIF60E1G-Q100            | 6  | 17.76                             | 34                     | 2x500                                          | 9143 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 90                    | 15.90 | 8                                       |
| HUP 5002Z03 LT | YIF72E1G-Q100            | 7  | 22.03                             | 51                     | 2x500                                          | 8489 | 6     | 1-230                       | 580                      | 2.60 | 53              | 1/2"                       | 7/8" | 92                    | 15.90 | 8                                       |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP 5001Z04 LT | YIF50E1G-Q100            | 5  | 6.60                                                        | 5.50  | 4.54  | 3.72  | 3.01  |
| HUP 5002Z02 LT | YIF60E1G-Q100            | 6  | 7.92                                                        | 6.60  | 5.45  | 4.46  | 3.62  |
| HUP 5002Z03 LT | YIF72E1G-Q100            | 7  | 9.50                                                        | 7.92  | 6.54  | 5.35  | 4.34  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUB SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUB

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUB range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUB range are highly efficient with special profile aluminum fins and ø9.52 mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**"Floating" system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUB SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUB

La unidad condensadora HUB está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUB son de alta eficiencia con aletas de aluminio de perfil especial y ø9.52 mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema "flotante" evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUB 4502Z03 MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Tropical condenser coil with copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Semi-hermetic reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Filter driers on liquid and suction lines.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Safety relief valve.
- ▶ Ball valves on liquid and suction lines.
- ▶ Suction accumulator.
- ▶ Oil separator.
- ▶ Built in electric control panel.
- ▶ High pressure switch/ Fan speed controller based on condenser pressure.
- ▶ Ziehl-Abegg or Maer axial fan motors.
- ▶ Manometers.
- ▶ Anti-vibration.
- ▶ Different gas.

**Optional items:**

- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Condensador tropicalizado.
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor Semi-hermético de pistones.
- ▶ Doble presostato con rearme automatico.
- ▶ Filtro secador en línea de succión y líquido.
- ▶ Visor de líquido.
- ▶ Recipiente de líquido.
- ▶ Válvula de seguridad homologada.
- ▶ Válvula de bola en línea de succión y líquido.
- ▶ Separador de líquido.
- ▶ Separador de aceite.
- ▶ Panel eléctrico de control.
- ▶ Alta presostato con rearme automatico/ Control de velocidad, según la condensación.
- ▶ Ventilador axial Ziehl-Abegg o Maer.
- ▶ Manómetros.
- ▶ Anti vibración.
- ▶ Diferente gas.

**Accesorios opcionales:**

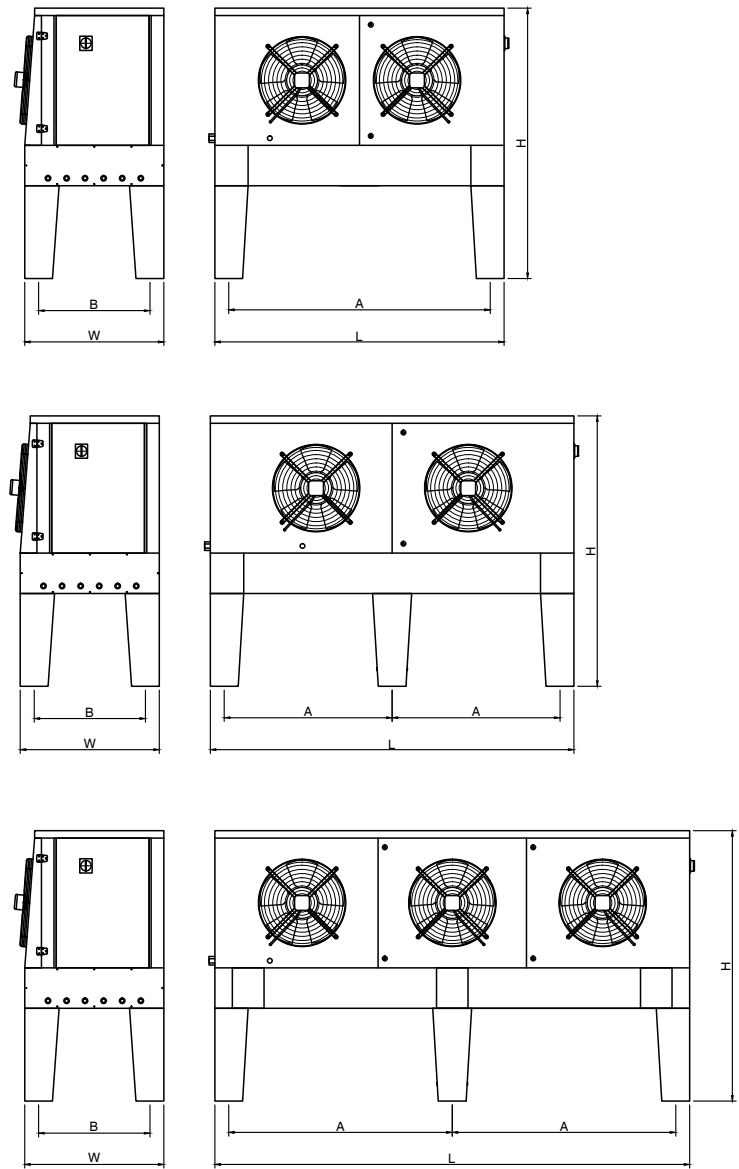
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie | Dimensions / dimensiones(mm) |      |      |     |      |
|----------------|------------------------------|------|------|-----|------|
|                | L                            | W    | A    | B   | H    |
| HUB 4502...    | 1560                         | 760  | 1415 | 605 | 1460 |
| HUB 5002...    | 1835                         | 955  | 845  | 810 | 1575 |
| HUB 6302...    | 2715                         | 1005 | 1285 | 860 | 1695 |
| HUB 6303...    | 3715                         | 1005 | 1785 | 860 | 1695 |

R404A / R507A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z03 MT | H405CC                   | 4  | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 49              | 5/8"                       | 7/8"   | 246                   | 16.90 | 8                                       |
| HUB 5002Z03 MT | H705CC                   | 7  | 37.56                            | 75                     | 2×500                                          | 13890 | 4     | 3~400                       | 1300                     | 2.30 | 54              | 7/8"                       | 1 1/8" | 302                   | 21.80 | 15                                      |
| HUB 5002Z05 MT | H1002CC                  | 10 | 46.96                            | 125                    | 2×500                                          | 13046 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 343                   | 25.30 | 15                                      |
| HUB 6302Z04 MT | H1501CC                  | 15 | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 415                   | 38.40 | 20                                      |
| HUB 6302Z05 MT | H2001CC                  | 20 | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 538                   | 42.40 | 30                                      |
| HUB 6303Z04 MT | H2500CC                  | 25 | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 57              | 1 1/8"                     | 2 1/8" | 595                   | 54.60 | 35                                      |
| HUB 6303Z05 MT | H3000CC                  | 30 | 93.43                            | 288                    | 3×630                                          | 32371 | 4     | 3~400                       | 3300                     | 6.60 | 57              | 1 1/8"                     | 2 1/8" | 616                   | 62.60 | 40                                      |
| HUB 6303Z06 MT | H3500CC                  | 35 | 118.14                           | 345                    | 3×630                                          | 31352 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 664                   | 72.60 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUB 4502Z03 MT | H405CC                   | 4  | 16.28                                                       | 13.44 | 10.97 | 8.84  | 7.02  | 5.48  |
| HUB 5002Z03 MT | H705CC                   | 7  | 22.66                                                       | 18.83 | 15.48 | 12.57 | 10.06 | 7.93  |
| HUB 5002Z05 MT | H1002CC                  | 10 | 30.73                                                       | 25.55 | 21.02 | 17.10 | 13.72 | 10.84 |
| HUB 6302Z04 MT | H1501CC                  | 15 | 39.44                                                       | 33.45 | 28.07 | 23.27 | 19.01 | 15.24 |
| HUB 6302Z05 MT | H2001CC                  | 20 | 47.59                                                       | 39.82 | 33.01 | 27.08 | 21.94 | 17.52 |
| HUB 6303Z04 MT | H2500CC                  | 25 | 62.06                                                       | 51.64 | 42.51 | 34.58 | 27.71 | 21.79 |
| HUB 6303Z05 MT | H3000CC                  | 30 | 70.27                                                       | 58.42 | 48.05 | 39.03 | 31.23 | 24.53 |
| HUB 6303Z06 MT | H3500CC                  | 35 | 90.86                                                       | 75.82 | 62.62 | 51.13 | 41.17 | 32.59 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z02 LT | H505CS                   | 5  | 17.67                            | 33                     | 2×450                                          | 8312  | 6     | 1~230                       | 520                      | 2.40 | 49              | 7/8"                       | 1 1/8" | 235                   | 16.90 | 8                                       |
| HUB 4502Z03 LT | H801CS                   | 8  | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 50              | 1 1/8"                     | 1 3/8" | 294                   | 21.90 | 15                                      |
| HUB 4502Z04 LT | H1001CS                  | 10 | 24.78                            | 65                     | 2×450                                          | 7325  | 6     | 1~230                       | 520                      | 2.40 | 50              | 1 1/8"                     | 1 3/8" | 245                   | 26.40 | 15                                      |
| HUB 5002Z04 LT | H2000CS                  | 20 | 43.42                            | 100                    | 2×500                                          | 13441 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 1 1/8"                     | 1 5/8" | 300                   | 40.30 | 25                                      |
| HUB 5002Z06 LT | H2500CS                  | 25 | 48.81                            | 150                    | 2×500                                          | 12668 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 1 1/8"                     | 2 1/8" | 420                   | 47.30 | 30                                      |
| HUB 6302Z04 LT | H3000CS                  | 30 | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 61              | 1 1/8"                     | 2 1/8" | 465                   | 64.40 | 40                                      |
| HUB 6302Z05 LT | H3500CS                  | 35 | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 61              | 1 1/8"                     | 2 1/8" | 560                   | 64.40 | 50                                      |
| HUB 6303Z04 LT | H4500CS                  | 45 | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 695                   | 81.60 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUB 4502Z02 LT | H505CS                   | 5  | 12.43                                                       | 10.01 | 7.93  | 6.16  | 4.65  | 3.38  |
| HUB 4502Z03 LT | H801CS                   | 8  | 19.61                                                       | 16.03 | 12.88 | 10.13 | 7.71  | 5.58  |
| HUB 4502Z04 LT | H1001CS                  | 10 | 23.34                                                       | 18.92 | 15.09 | 11.80 | 8.98  | 6.58  |
| HUB 5002Z04 LT | H2000CS                  | 20 | 34.78                                                       | 27.99 | 22.15 | 17.14 | 12.86 | 9.20  |
| HUB 5002Z06 LT | H2500CS                  | 25 | 39.09                                                       | 31.42 | 24.84 | 19.22 | 14.45 | 10.42 |
| HUB 6302Z04 LT | H3000CS                  | 30 | 51.69                                                       | 41.70 | 33.06 | 25.63 | 19.27 | 13.84 |
| HUB 6302Z05 LT | H3500CS                  | 35 | 57.77                                                       | 46.61 | 36.97 | 28.68 | 21.60 | 15.56 |
| HUB 6303Z04 LT | H4500CS                  | 45 | 67.49                                                       | 54.69 | 43.62 | 34.12 | 25.97 | 19.02 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP           | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        |                       |       |                                         |
| HUB 4502Z03 MT | 4FES-5Y                  | 5   | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 49              | 5/8"                       | 7/8"   | 246                   | 13.50 | 8                                       |
| HUB 5002Z03 MT | 4DES-7Y                  | 7.5 | 37.56                            | 75                     | 2×500                                          | 13890 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 302                   | 18.20 | 15                                      |
| HUB 5002Z05 MT | 4VES-10Y                 | 10  | 46.96                            | 125                    | 2×500                                          | 13046 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 343                   | 21.60 | 15                                      |
| HUB 6302Z04 MT | 4PES-15Y                 | 15  | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 415                   | 31.50 | 20                                      |
| HUB 6302Z05 MT | 4NES-20Y                 | 20  | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 538                   | 36.50 | 30                                      |
| HUB 6303Z04 MT | 4HE-25Y                  | 25  | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 595                   | 48.95 | 35                                      |
| HUB 6303Z05 MT | 4GE-30Y                  | 30  | 93.43                            | 288                    | 3×630                                          | 32371 | 4     | 3~400                       | 3300                     | 6.60 | 59              | 1 1/8"                     | 2 1/8" | 616                   | 56.15 | 40                                      |
| HUB 6303Z06 MT | 6HE-35Y                  | 35  | 118.14                           | 345                    | 3×630                                          | 31352 | 4     | 3~400                       | 3300                     | 6.60 | 59              | 1 1/8"                     | 2 1/8" | 664                   | 69.35 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUB 4502Z03 MT | 4FES-5Y                  | 5   | 14.40                                                       | 12.01 | 9.94  | 8.13  | 6.58  | 5.25  |
| HUB 5002Z03 MT | 4DES-7Y                  | 7.5 | 22.14                                                       | 18.44 | 15.22 | 12.44 | 10.04 | 8.00  |
| HUB 5002Z05 MT | 4VES-10Y                 | 10  | 28.41                                                       | 23.42 | 19.11 | 15.39 | 12.21 | 9.50  |
| HUB 6302Z04 MT | 4PES-15Y                 | 15  | 39.34                                                       | 32.36 | 26.32 | 21.13 | 16.69 | 12.94 |
| HUB 6302Z05 MT | 4NES-20Y                 | 20  | 46.83                                                       | 38.71 | 31.68 | 25.64 | 20.47 | 16.08 |
| HUB 6303Z04 MT | 4HE-25Y                  | 25  | 60.73                                                       | 50.67 | 41.88 | 34.23 | 27.61 | 21.91 |
| HUB 6303Z05 MT | 4GE-30Y                  | 30  | 69.35                                                       | 57.94 | 47.98 | 39.31 | 31.81 | 25.35 |
| HUB 6303Z06 MT | 6HE-35Y                  | 35  | 89.29                                                       | 74.53 | 61.63 | 50.39 | 40.65 | 32.26 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R404A / R507A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z02 LT | 4DES-5Y                  | 5   | 17.67                            | 33                     | 2×450                                          | 8312  | 6     | 1-230                       | 520                      | 2.40 | 69              | 7/8"                       | 1 1/8" | 235                   | 17.20 | 8                                       |
| HUB 4502Z03 LT | 4TES-9Y                  | 7.5 | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1-230                       | 520                      | 2.40 | 73              | 1 1/8"                     | 1 3/8" | 294                   | 22.60 | 15                                      |
| HUB 4502Z04 LT | 4PES-12Y                 | 10  | 24.78                            | 65                     | 2×450                                          | 7325  | 6     | 1-230                       | 520                      | 2.40 | 73              | 1 1/8"                     | 1 3/8" | 245                   | 25.40 | 15                                      |
| HUB 5002Z04 LT | 4HE-18Y                  | 15  | 43.42                            | 100                    | 2×500                                          | 13441 | 4     | 3~400                       | 1300                     | 2.30 | 76              | 1 1/8"                     | 1 5/8" | 300                   | 38.40 | 25                                      |
| HUB 5002Z06 LT | 4GE-23Y                  | 20  | 48.81                            | 150                    | 2×500                                          | 12668 | 4     | 3~400                       | 1300                     | 2.30 | 80              | 1 1/8"                     | 2 1/8" | 420                   | 45.60 | 30                                      |
| HUB 6302Z04 LT | 6HE-28Y                  | 25  | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 84              | 1 1/8"                     | 2 1/8" | 465                   | 56.50 | 40                                      |
| HUB 6302Z05 LT | 6GE-34Y                  | 30  | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 84              | 1 1/8"                     | 2 1/8" | 560                   | 68.80 | 50                                      |
| HUB 6303Z04 LT | 6FE-44Y                  | 40  | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 84              | 1 1/8"                     | 2 1/8" | 695                   | 88.15 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUB 4502Z02 LT | 4DES-5Y                  | 5   | 12.44                                                       | 10.04 | 8.00  | 6.26  | 4.80  | 3.60  |
| HUB 4502Z03 LT | 4TES-9Y                  | 7.5 | 18.82                                                       | 15.02 | 11.79 | 9.06  | 6.79  | 4.91  |
| HUB 4502Z04 LT | 4PES-12Y                 | 10  | 21.23                                                       | 16.79 | 13.02 | 9.86  | 7.22  | 5.07  |
| HUB 5002Z04 LT | 4HE-18Y                  | 15  | 34.98                                                       | 28.34 | 22.62 | 17.72 | 13.57 | 10.07 |
| HUB 5002Z06 LT | 4GE-23Y                  | 20  | 40.59                                                       | 33.05 | 26.56 | 21.00 | 16.29 | 12.32 |
| HUB 6302Z04 LT | 6HE-28Y                  | 25  | 51.51                                                       | 41.74 | 33.32 | 26.10 | 19.97 | 14.80 |
| HUB 6302Z05 LT | 6GE-34Y                  | 30  | 60.31                                                       | 49.40 | 39.95 | 31.81 | 24.84 | 18.92 |
| HUB 6303Z04 LT | 6FE-44Y                  | 40  | 72.19                                                       | 59.07 | 47.66 | 37.77 | 29.24 | 21.92 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z03 MT | H405CC                   | 4  | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 49              | 5/8"                       | 7/8"   | 246                   | 16.90 | 8                                       |
| HUB 5002Z03 MT | H705CC                   | 7  | 37.56                            | 75                     | 2×500                                          | 13890 | 4     | 3~400                       | 1300                     | 2.30 | 54              | 7/8"                       | 1 1/8" | 302                   | 21.80 | 15                                      |
| HUB 5002Z05 MT | H1002CC                  | 10 | 46.96                            | 125                    | 2×500                                          | 13046 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 343                   | 25.30 | 15                                      |
| HUB 6302Z04 MT | H1501CC                  | 15 | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 415                   | 38.40 | 20                                      |
| HUB 6302Z05 MT | H2001CC                  | 20 | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 538                   | 42.40 | 30                                      |
| HUB 6303Z04 MT | H2500CC                  | 25 | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 57              | 1 1/8"                     | 2 1/8" | 595                   | 54.60 | 35                                      |
| HUB 6303Z05 MT | H3000CC                  | 30 | 93.43                            | 288                    | 3×630                                          | 32371 | 4     | 3~400                       | 3300                     | 6.60 | 57              | 1 1/8"                     | 2 1/8" | 616                   | 62.60 | 40                                      |
| HUB 6303Z06 MT | H3500CC                  | 35 | 118.14                           | 345                    | 3×630                                          | 31352 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 664                   | 72.60 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUB 4502Z03 MT | H405CC                   | 4  | 15.59                                                       | 12.77 | 10.33 | 8.25  | 6.48  | 5.01  |
| HUB 5002Z03 MT | H705CC                   | 7  | 22.53                                                       | 18.46 | 14.94 | 11.93 | 9.38  | 7.24  |
| HUB 5002Z05 MT | H1002CC                  | 10 | 30.71                                                       | 24.95 | 20.02 | 15.84 | 12.33 | 9.43  |
| HUB 6302Z04 MT | H1501CC                  | 15 | 40.46                                                       | 33.20 | 26.93 | 21.56 | 17.01 | 13.19 |
| HUB 6302Z05 MT | H2001CC                  | 20 | 48.03                                                       | 39.41 | 31.97 | 25.59 | 20.19 | 15.66 |
| HUB 6303Z04 MT | H2500CC                  | 25 | 61.49                                                       | 50.30 | 40.61 | 32.32 | 25.28 | 19.37 |
| HUB 6303Z05 MT | H3000CC                  | 30 | 69.24                                                       | 56.51 | 45.52 | 36.11 | 28.16 | 21.51 |
| HUB 6303Z06 MT | H3500CC                  | 35 | 89.06                                                       | 72.95 | 59.02 | 47.11 | 37.03 | 28.59 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z02 LT | H505CS                   | 5  | 17.67                            | 33                     | 2×450                                          | 8312  | 6     | 1~230                       | 520                      | 2.40 | 49              | 7/8"                       | 1 1/8" | 235                   | 16.90 | 8                                       |
| HUB 4502Z03 LT | H801CS                   | 8  | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 50              | 1 1/8"                     | 1 3/8" | 294                   | 21.90 | 15                                      |
| HUB 4502Z04 LT | H1001CS                  | 10 | 24.78                            | 65                     | 2×450                                          | 7325  | 6     | 1~230                       | 520                      | 2.40 | 50              | 1 1/8"                     | 1 3/8" | 245                   | 26.40 | 15                                      |
| HUB 5002Z04 LT | H2000CS                  | 20 | 43.42                            | 100                    | 2×500                                          | 13441 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 1 1/8"                     | 1 5/8" | 300                   | 40.30 | 25                                      |
| HUB 5002Z06 LT | H2500CS                  | 25 | 48.81                            | 150                    | 2×500                                          | 12668 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 1 1/8"                     | 2 1/8" | 420                   | 47.30 | 30                                      |
| HUB 6302Z04 LT | H3000CS                  | 30 | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 61              | 1 1/8"                     | 2 1/8" | 465                   | 64.40 | 40                                      |
| HUB 6302Z05 LT | H3500CS                  | 35 | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 61              | 1 1/8"                     | 2 1/8" | 560                   | 64.40 | 50                                      |
| HUB 6303Z04 LT | H4500CS                  | 45 | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 695                   | 81.60 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUB 4502Z02 LT | H505CS                   | 5  | 11.67                                                       | 9.18  | 7.10  | 5.37  | 3.96  |
| HUB 4502Z03 LT | H801CS                   | 8  | 18.42                                                       | 14.50 | 11.22 | 8.51  | 6.30  |
| HUB 4502Z04 LT | H1001CS                  | 10 | 21.97                                                       | 17.29 | 13.39 | 10.18 | 7.56  |
| HUB 5002Z04 LT | H2000CS                  | 20 | 32.66                                                       | 25.64 | 19.77 | 14.92 | 10.95 |
| HUB 5002Z06 LT | H2500CS                  | 25 | 36.61                                                       | 28.66 | 22.02 | 16.56 | 12.12 |
| HUB 6302Z04 LT | H3000CS                  | 30 | 47.53                                                       | 37.28 | 28.70 | 21.62 | 15.83 |
| HUB 6302Z05 LT | H3500CS                  | 35 | 52.76                                                       | 41.22 | 31.62 | 23.74 | 17.36 |
| HUB 6303Z04 LT | H4500CS                  | 45 | 63.43                                                       | 50.12 | 38.97 | 29.75 | 22.20 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         |
| HUB 4502Z03 MT | 4FES-5Y                  | 5   | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1~230                       | 520                      | 2.40 | 49              | 5/8"                       | 7/8"   | 246                   | 13.50 | 8                                       |
| HUB 5002Z03 MT | 4DES-7Y                  | 7.5 | 37.56                            | 75                     | 2×500                                          | 13890 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 302                   | 18.20 | 15                                      |
| HUB 5002Z05 MT | 4VES-10Y                 | 10  | 46.96                            | 125                    | 2×500                                          | 13046 | 4     | 3~400                       | 1300                     | 2.30 | 55              | 7/8"                       | 1 1/8" | 343                   | 21.60 | 15                                      |
| HUB 6302Z04 MT | 4PES-15Y                 | 15  | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 415                   | 31.50 | 20                                      |
| HUB 6302Z05 MT | 4NES-20Y                 | 20  | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 60              | 1 1/8"                     | 1 5/8" | 538                   | 36.50 | 30                                      |
| HUB 6303Z04 MT | 4HE-25Y                  | 25  | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 58              | 1 1/8"                     | 2 1/8" | 595                   | 48.95 | 35                                      |
| HUB 6303Z05 MT | 4GE-30Y                  | 30  | 93.43                            | 288                    | 3×630                                          | 32371 | 4     | 3~400                       | 3300                     | 6.60 | 59              | 1 1/8"                     | 2 1/8" | 616                   | 56.15 | 40                                      |
| HUB 6303Z06 MT | 6HE-35Y                  | 35  | 118.14                           | 345                    | 3×630                                          | 31352 | 4     | 3~400                       | 3300                     | 6.60 | 59              | 1 1/8"                     | 2 1/8" | 664                   | 69.35 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUB 4502Z03 MT | 4FES-5Y                  | 5   | 15.22                                                       | 12.45 | 10.07 | 8.04  | 6.33  | 4.89  |
| HUB 5002Z03 MT | 4DES-7Y                  | 7.5 | 21.82                                                       | 17.82 | 14.39 | 11.47 | 8.99  | 6.92  |
| HUB 5002Z05 MT | 4VES-10Y                 | 10  | 28.92                                                       | 23.48 | 18.83 | 14.88 | 11.55 | 8.77  |
| HUB 6302Z04 MT | 4PES-15Y                 | 15  | 40.00                                                       | 32.38 | 25.88 | 20.38 | 15.75 | 11.89 |
| HUB 6302Z05 MT | 4NES-20Y                 | 20  | 47.71                                                       | 38.85 | 31.29 | 24.87 | 19.46 | 14.94 |
| HUB 6303Z04 MT | 4HE-25Y                  | 25  | 62.12                                                       | 51.08 | 41.56 | 33.39 | 26.40 | 20.47 |
| HUB 6303Z05 MT | 4GE-30Y                  | 30  | 70.98                                                       | 58.47 | 47.68 | 38.41 | 30.49 | 23.77 |
| HUB 6303Z06 MT | 6HE-35Y                  | 35  | 91.36                                                       | 75.16 | 61.18 | 49.16 | 38.88 | 30.13 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP            | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUB 4502Z02 LT | 4DES-5Y                  | 5   | 17.67                            | 33                     | 2×450                                          | 8312  | 6     | 1-230                       | 520                      | 2.40 | 69              | 7/8"                       | 1 1/8" | 235                   | 17.20 | 8                                       |
| HUB 4502Z03 LT | 4TES-9Y                  | 7.5 | 21.97                            | 49                     | 2×450                                          | 7825  | 6     | 1-230                       | 520                      | 2.40 | 73              | 1 1/8"                     | 1 3/8" | 294                   | 22.60 | 15                                      |
| HUB 4502Z04 LT | 4PES-12Y                 | 10  | 24.78                            | 65                     | 2×450                                          | 7325  | 6     | 1-230                       | 520                      | 2.40 | 73              | 1 1/8"                     | 1 3/8" | 245                   | 25.40 | 15                                      |
| HUB 5002Z04 LT | 4HE-18Y                  | 15  | 43.42                            | 100                    | 2×500                                          | 13441 | 4     | 3~400                       | 1300                     | 2.30 | 76              | 1 1/8"                     | 1 5/8" | 300                   | 38.40 | 25                                      |
| HUB 5002Z06 LT | 4GE-23Y                  | 20  | 48.81                            | 150                    | 2×500                                          | 12668 | 4     | 3~400                       | 1300                     | 2.30 | 80              | 1 1/8"                     | 2 1/8" | 420                   | 45.60 | 30                                      |
| HUB 6302Z04 LT | 6HE-28Y                  | 25  | 69.65                            | 164                    | 2×630                                          | 22370 | 4     | 3~400                       | 2200                     | 4.40 | 84              | 1 1/8"                     | 2 1/8" | 465                   | 56.50 | 40                                      |
| HUB 6302Z05 LT | 6GE-34Y                  | 30  | 73.49                            | 205                    | 2×630                                          | 21801 | 4     | 3~400                       | 2200                     | 4.40 | 84              | 1 1/8"                     | 2 1/8" | 560                   | 68.80 | 50                                      |
| HUB 6303Z04 LT | 6FE-44Y                  | 40  | 92.24                            | 230                    | 3×630                                          | 33253 | 4     | 3~400                       | 3300                     | 6.60 | 84              | 1 1/8"                     | 2 1/8" | 695                   | 88.15 | 50                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUB 4502Z02 LT | 4DES-5Y                  | 5   | 11.47                                                       | 8.99  | 6.92  | 5.19  | 3.78  | 2.63  |
| HUB 4502Z03 LT | 4TES-9Y                  | 7.5 | 18.27                                                       | 14.29 | 10.95 | 8.18  | 5.90  | 3.40  |
| HUB 4502Z04 LT | 4PES-12Y                 | 10  | 20.49                                                       | 15.85 | 11.97 | 8.77  | 6.15  | 3.57  |
| HUB 5002Z04 LT | 4HE-18Y                  | 15  | 34.20                                                       | 27.19 | 21.24 | 16.21 | 12.01 | 7.00  |
| HUB 5002Z06 LT | 4GE-23Y                  | 20  | 39.80                                                       | 31.85 | 25.08 | 19.38 | 14.61 | 8.51  |
| HUB 6302Z04 LT | 6HE-28Y                  | 25  | 50.38                                                       | 40.06 | 31.28 | 23.86 | 17.65 | 10.29 |
| HUB 6302Z05 LT | 6GE-34Y                  | 30  | 59.40                                                       | 47.83 | 37.93 | 29.52 | 22.41 | 13.07 |
| HUB 6303Z04 LT | 6FE-44Y                  | 40  | 71.05                                                       | 57.10 | 45.10 | 34.83 | 26.07 | 15.17 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUC PLUS SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUC PLUS

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUC PLUS range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUC PLUS range are highly efficient with special profile aluminum fins and Ø9.52 mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**“Floating” system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUC PLUS SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUC PLUS

La unidad condensadora HUC PLUS está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUC PLUS son de alta eficiencia con aletas de aluminio de perfil especial y Ø9.52 mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema “flotante” evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUC PLUS 5002Z03 MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength
- ▶ Tropical condenser coil with copper tube and aluminium fins
- ▶ Sound insulation
- ▶ Semi-hermetic reciprocating compressor
- ▶ Dural pressure switch with automatic reset
- ▶ Filter driers on liquid and suction lines
- ▶ Sight glass with moisture indicator
- ▶ Liquid receiver
- ▶ Safety relief valve
- ▶ Ball valves on liquid and suction lines
- ▶ Suction accumulator
- ▶ Oil separator
- ▶ Built in electric control pannel
- ▶ High pressure switch/ Fan speed controller based on condenser pressure
- ▶ Ziehl-Abegg or Maer axial fan motors
- ▶ Manometers
- ▶ Antivibration
- ▶ Check valve
- ▶ Different gas

**Optional items:**

- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión
- ▶ Condensador tropicalizado
- ▶ Unidad condensadora insonorizada
- ▶ Compresor Semi-hermético de pistones
- ▶ Doble presostato con rearme automatico
- ▶ Filtro secador en línea de succión y líquido
- ▶ Visor de liquido
- ▶ Recipiente de liquido
- ▶ Válvula de seguridad homologada
- ▶ Válvula de bola en línea de succión y líquido
- ▶ Separador de líquido
- ▶ Separador de aceite
- ▶ Panel eléctrico de control
- ▶ Alta presostato con rearme automatico/ Control de velocidad, según la condensación
- ▶ Ventilador axial Ziehl-Abegg o Maer
- ▶ Manómetros
- ▶ Anti vibración
- ▶ Válvula de retención
- ▶ Diferente gas

**Accesorios opcionales:**

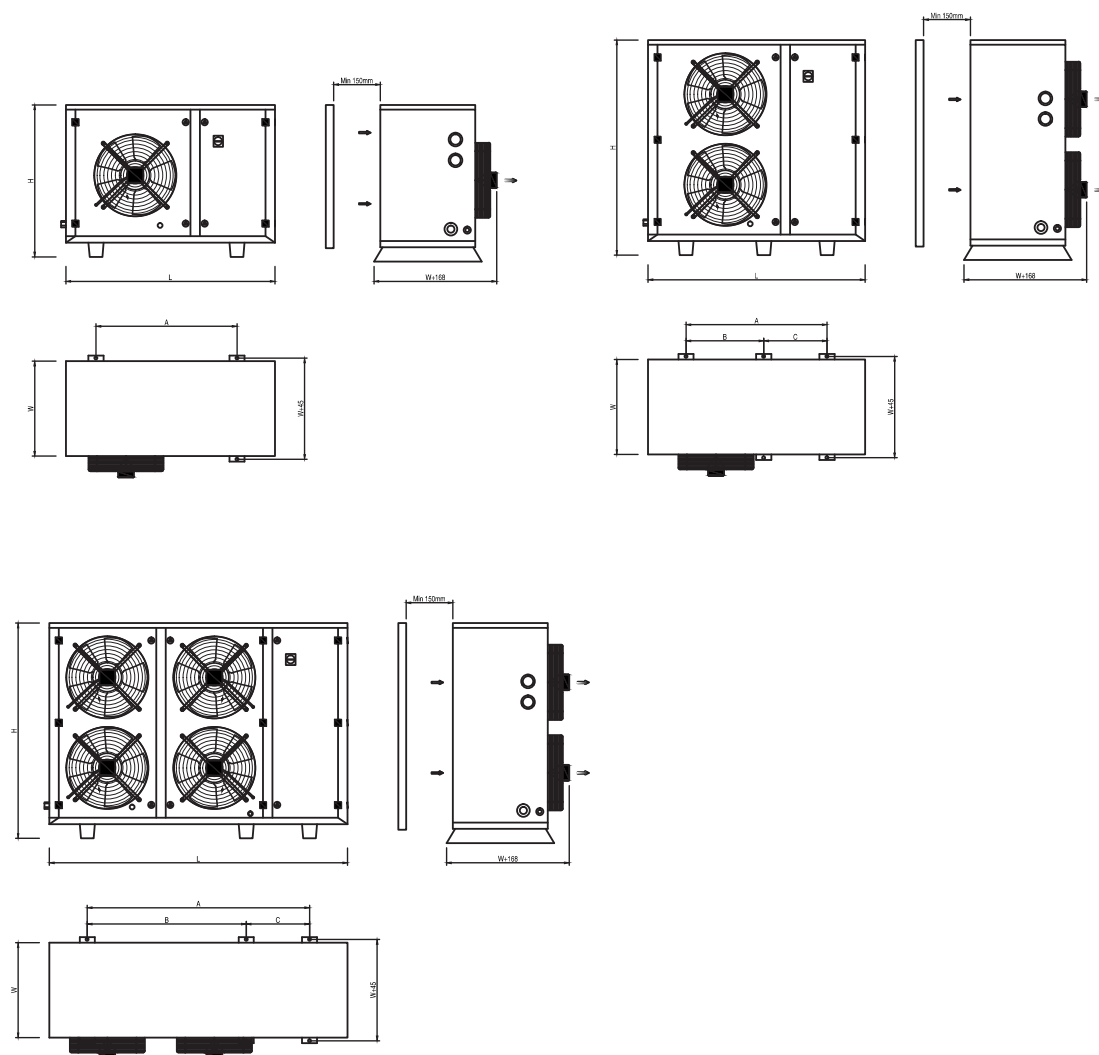
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie        | Dimensions / dimensiones(mm) |     |      |      |     |      |
|-----------------------|------------------------------|-----|------|------|-----|------|
|                       | L                            | W   | A    | B    | C   | H    |
| HUC PLUS 5001...      | 1500                         | 655 | 880  | \    | \   | 960  |
| HUC PLUS 4502/5002... | 1720                         | 805 | 1100 | 620  | 480 | 1560 |
| HUC PLUS 4504/5004... | 2200                         | 805 | 1580 | 1100 | 480 | 1560 |

R404A / R507A



| HMBP                | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        | inch                  | inch  | Kg                                      |
| HUC PLUS 5001Z05 MT | H300CC                   | 3   | 16.78                            | 65                     | 1×500                                          | 4366  | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 156                   | 10.70 | 6                                       |
| HUC PLUS 4502Z02 MT | H350CC                   | 3.5 | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 292                   | 11.80 | 6                                       |
| HUC PLUS 4502Z03 MT | H405CC                   | 4   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 308                   | 11.80 | 8                                       |
| HUC PLUS 4502Z03 MT | H505CC                   | 5   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 52              | 5/8"                       | 1 1/8" | 313                   | 16.90 | 10                                      |
| HUC PLUS 5002Z04 MT | H705CC                   | 7   | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 316                   | 22.10 | 10                                      |
| HUC PLUS 5002Z05 MT | H755CC                   | 7.5 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 320                   | 22.10 | 15                                      |
| HUC PLUS 4504Z03 MT | H1002CC                  | 10  | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1~230                       | 1040                     | 4.80 | 55              | 5/8"                       | 1 1/8" | 360                   | 27.80 | 15                                      |
| HUC PLUS 5004Z03 MT | H1003CC                  | 12  | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1~230                       | 1160                     | 5.20 | 55              | 7/8"                       | 1 3/8" | 393                   | 28.20 | 20                                      |
| HUC PLUS 5004Z04 MT | H1501CC                  | 15  | 57.82                            | 170                    | 4×500                                          | 16132 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 5/8" | 401                   | 39.20 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS 5001Z05 MT | H300CC                   | 3   | 11.66                                                       | 9.72  | 8.03  | 6.56  | 5.28  | 4.18  |
| HUC PLUS 4502Z02 MT | H350CC                   | 3.5 | 12.85                                                       | 10.76 | 8.93  | 7.33  | 5.94  | 4.75  |
| HUC PLUS 4502Z03 MT | H405CC                   | 4   | 16.28                                                       | 13.44 | 10.97 | 8.84  | 7.02  | 5.48  |
| HUC PLUS 4502Z03 MT | H505CC                   | 5   | 19.32                                                       | 16.01 | 13.13 | 10.62 | 8.47  | 6.64  |
| HUC PLUS 5002Z04 MT | H705CC                   | 7   | 22.66                                                       | 18.83 | 15.48 | 12.57 | 10.06 | 7.93  |
| HUC PLUS 5002Z05 MT | H755CC                   | 7.5 | 26.14                                                       | 21.74 | 17.88 | 14.54 | 11.66 | 9.21  |
| HUC PLUS 4504Z03 MT | H1002CC                  | 10  | 30.73                                                       | 25.55 | 21.02 | 17.10 | 13.72 | 10.84 |
| HUC PLUS 5004Z03 MT | H1003CC                  | 12  | 34.08                                                       | 28.54 | 23.67 | 19.43 | 15.74 | 12.55 |
| HUC PLUS 5004Z04 MT | H1501CC                  | 15  | 39.44                                                       | 33.45 | 28.07 | 23.27 | 19.01 | 15.24 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP                 | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUC PLUS 4502Z02 LT | H355CS                   | 3   | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1-230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 166                   | 12.90 | 6                                       |
| HUC PLUS 4502Z03 LT | H405CS                   | 4   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1-230                       | 520                      | 2.40 | 52              | 5/8"                       | 1 1/8" | 306                   | 12.90 | 8                                       |
| HUC PLUS 5002Z03 LT | H505CS                   | 5   | 29.95                            | 86                     | 2×500                                          | 9228  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 331                   | 17.10 | 8                                       |
| HUC PLUS 5002Z04 LT | H705CS                   | 7   | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 336                   | 17.10 | 10                                      |
| HUC PLUS 5002Z05 LT | H751CS                   | 7.5 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 366                   | 22.10 | 10                                      |
| HUC PLUS 4504Z03 LT | H801CS                   | 8   | 27.84                            | 127                    | 4×450                                          | 8362  | 6     | 1-230                       | 1040                     | 4.80 | 55              | 7/8"                       | 1 3/8" | 375                   | 24.30 | 15                                      |
| HUC PLUS 4504Z04 LT | H1001CS                  | 10  | 30.75                            | 170                    | 4×450                                          | 8100  | 6     | 1-230                       | 1040                     | 4.80 | 56              | 7/8"                       | 1 3/8" | 380                   | 28.80 | 20                                      |
| HUC PLUS 5004Z05 LT | H1501CS                  | 15  | 60.23                            | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 3/8" | 449                   | 33.20 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS 4502Z02 LT | H355CS                   | 3   | 9.01                                                        | 7.20  | 5.66  | 4.35  | 3.25  | 2.35  |
| HUC PLUS 4502Z03 LT | H405CS                   | 4   | 10.73                                                       | 8.63  | 6.82  | 5.28  | 3.96  | 2.85  |
| HUC PLUS 5002Z03 LT | H505CS                   | 5   | 12.43                                                       | 10.01 | 7.93  | 6.16  | 4.65  | 3.38  |
| HUC PLUS 5002Z04 LT | H705CS                   | 7   | 14.39                                                       | 11.65 | 9.28  | 7.24  | 5.52  | 4.05  |
| HUC PLUS 5002Z05 LT | H751CS                   | 7.5 | 16.42                                                       | 13.31 | 10.63 | 8.31  | 6.32  | 4.60  |
| HUC PLUS 4504Z03 LT | H801CS                   | 8   | 19.61                                                       | 16.03 | 12.88 | 10.13 | 7.71  | 5.58  |
| HUC PLUS 4504Z04 LT | H1001CS                  | 10  | 23.34                                                       | 18.92 | 15.09 | 11.80 | 8.98  | 6.58  |
| HUC PLUS 5004Z05 LT | H1501CS                  | 15  | 27.19                                                       | 22.03 | 17.56 | 13.72 | 10.43 | 7.62  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP                | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 | dBA                        | inch   |                       |       |                                         |
| HUC PLUS 5001Z04 MT | 2DES-3Y                  | 3  | 15.65                            | 52                     | 1×500                                          | 4523  | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 156                   | 9.90  | 6                                       |
| HUC PLUS 4502Z02 MT | 2CES-4Y                  | 4  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 292                   | 12.40 | 6                                       |
| HUC PLUS 4502Z02 MT | 4FES-5Y                  | 5  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 308                   | 13.20 | 8                                       |
| HUC PLUS 4502Z03 MT | 4EES-6Y                  | 6  | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 53              | 5/8"                       | 1 1/8" | 313                   | 16.00 | 10                                      |
| HUC PLUS 5002Z04 MT | 4DES-7Y                  | 7  | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 316                   | 19.10 | 10                                      |
| HUC PLUS 5002Z05 MT | 4CES-9Y                  | 9  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 320                   | 22.80 | 15                                      |
| HUC PLUS 5002Z05 MT | 4VES-10Y                 | 10 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 360                   | 22.50 | 15                                      |
| HUC PLUS 4504Z04 MT | 4TES-12Y                 | 12 | 54.36                            | 170                    | 4×450                                          | 14900 | 6     | 1~230                       | 1040                     | 4.80 | 56              | 7/8"                       | 1 3/8" | 393                   | 29.90 | 20                                      |
| HUC PLUS 5004Z04 MT | 4PES-15Y                 | 15 | 57.82                            | 170                    | 4×500                                          | 16132 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 5/8" | 401                   | 33.40 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS 5001Z04 MT | 2DES-3Y                  | 3  | 10.72                                                       | 8.96  | 7.42  | 6.07  | 4.89  | 3.87  |
| HUC PLUS 4502Z02 MT | 2CES-4Y                  | 4  | 13.19                                                       | 11.06 | 9.18  | 7.54  | 6.12  | 4.88  |
| HUC PLUS 4502Z02 MT | 4FES-5Y                  | 5  | 14.40                                                       | 12.01 | 9.94  | 8.13  | 6.58  | 5.25  |
| HUC PLUS 4502Z03 MT | 4EES-6Y                  | 6  | 18.24                                                       | 15.17 | 12.51 | 10.20 | 8.22  | 6.52  |
| HUC PLUS 5002Z04 MT | 4DES-7Y                  | 7  | 22.14                                                       | 18.44 | 15.22 | 12.44 | 10.04 | 8.00  |
| HUC PLUS 5002Z05 MT | 4CES-9Y                  | 9  | 27.09                                                       | 22.50 | 18.52 | 15.08 | 12.13 | 9.61  |
| HUC PLUS 5002Z05 MT | 4VES-10Y                 | 10 | 28.41                                                       | 23.42 | 19.11 | 15.39 | 12.21 | 9.50  |
| HUC PLUS 4504Z04 MT | 4TES-12Y                 | 12 | 34.32                                                       | 28.37 | 23.22 | 18.78 | 14.98 | 11.75 |
| HUC PLUS 5004Z04 MT | 4PES-15Y                 | 15 | 39.34                                                       | 32.36 | 26.32 | 21.13 | 16.69 | 12.94 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R404A / R507A

| LBP                 | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUC PLUS 4502Z02 LT | 4FES-3Y                  | 3  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1-230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 166                   | 11.90 | 6                                       |
| HUC PLUS 4502Z03 LT | 4EES-4Y                  | 4  | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1-230                       | 520                      | 2.40 | 53              | 5/8"                       | 1 1/8" | 306                   | 14.60 | 8                                       |
| HUC PLUS 5002Z03 LT | 4DES-5Y                  | 5  | 29.95                            | 86                     | 2×500                                          | 9228  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 331                   | 17.10 | 8                                       |
| HUC PLUS 5002Z05 LT | 4CES-6Y                  | 6  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 336                   | 20.30 | 10                                      |
| HUC PLUS 5002Z05 LT | 4VES-7Y                  | 7  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 366                   | 19.20 | 10                                      |
| HUC PLUS 4504Z03 LT | 4TES-9Y                  | 9  | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1-230                       | 1040                     | 4.80 | 57              | 7/8"                       | 1 3/8" | 375                   | 24.70 | 15                                      |
| HUC PLUS 5004Z03 LT | 4PES-12Y                 | 12 | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.20 | 57              | 7/8"                       | 1 3/8" | 380                   | 27.90 | 20                                      |
| HUC PLUS 5004Z05 LT | 4NES-14Y                 | 14 | 60.23                            | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.20 | 58              | 7/8"                       | 1 3/8" | 449                   | 31.80 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS 4502Z02 LT | 4FES-3Y                  | 3  | 8.14                                                        | 6.58  | 5.25  | 4.12  | 3.17  | 2.38  |
| HUC PLUS 4502Z03 LT | 4EES-4Y                  | 4  | 10.38                                                       | 8.39  | 6.69  | 5.24  | 4.02  | 3.01  |
| HUC PLUS 5002Z03 LT | 4DES-5Y                  | 5  | 12.44                                                       | 10.04 | 8.00  | 6.26  | 4.80  | 3.60  |
| HUC PLUS 5002Z05 LT | 4CES-6Y                  | 6  | 15.08                                                       | 12.13 | 9.61  | 7.48  | 5.69  | 4.22  |
| HUC PLUS 5002Z05 LT | 4VES-7Y                  | 7  | 15.38                                                       | 12.21 | 9.51  | 7.22  | 5.32  | 3.75  |
| HUC PLUS 4504Z03 LT | 4TES-9Y                  | 9  | 18.82                                                       | 15.02 | 11.79 | 9.06  | 6.79  | 4.91  |
| HUC PLUS 5004Z03 LT | 4PES-12Y                 | 12 | 21.23                                                       | 16.79 | 13.02 | 9.86  | 7.22  | 5.07  |
| HUC PLUS 5004Z05 LT | 4NES-14Y                 | 14 | 25.52                                                       | 20.35 | 15.95 | 12.24 | 9.14  | 6.58  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP                | Compressor/<br>Compresor    |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|-----------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo                | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                             |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         |
| HUC PLUS 4502Z04 MT | ZBD29KQE-TFD<br>ZB29KQE-TFD | 8  | 30.75                            | 115                    | 2×450                                          | 8100  | 6     | 1~230                       | 520                      | 2.40 | 54              | 5/8"                       | 1 3/8" | 301                   | 20.30 | 10                                      |
| HUC PLUS 5004Z02 MT | ZBD38KQE-TFD<br>ZB38KQE-TFD | 10 | 41.18                            | 85                     | 4×500                                          | 18432 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 303                   | 26.70 | 15                                      |
| HUC PLUS 4504Z03 MT | ZBD45KQE-TFD<br>ZB45KQE-TFD | 12 | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1~230                       | 1040                     | 4.80 | 56              | 5/8"                       | 1 3/8" | 335                   | 29.30 | 15                                      |
| HUC PLUS 5004Z03 MT | ZBD48KQE-TFD<br>ZB48KQE-TFD | 14 | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 3/8" | 348                   | 33.20 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor    |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|---------------------|-----------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                     | Model/<br>Modelo            | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                     |                             |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUC PLUS 4502Z04 MT | ZBD29KQE-TFD<br>ZB29KQE-TFD | 8  | 14.87                                                       | 12.41 | 10.27 | 8.41  |
| HUC PLUS 5004Z02 MT | ZBD38KQE-TFD<br>ZB38KQE-TFD | 10 | 18.78                                                       | 15.66 | 12.97 | 10.63 |
| HUC PLUS 4504Z03 MT | ZBD45KQE-TFD<br>ZB45KQE-TFD | 12 | 22.20                                                       | 18.48 | 15.30 | 12.56 |
| HUC PLUS 5004Z03 MT | ZBD48KQE-TFD<br>ZB48KQE-TFD | 14 | 24.65                                                       | 20.55 | 16.93 | 13.96 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP                 | Compressor/<br>Compresor |    | Condenser/<br>Condensador         |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |     |      |      |    |   |   |
|---------------------|--------------------------|----|-----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|-----|------|------|----|---|---|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad/<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |     |      |      |    |   |   |
|                     |                          |    |                                   |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         | dBa | inch | inch | Kg | A | L |
|                     |                          |    |                                   |                        |                                                |       |       |                             |                          |      |                 |                            |        |                       |       |                                         |     |      |      |    |   |   |
| HUC PLUS 4504Z03 LT | ZF49KQE-TFD              | 15 | 49.08                             | 127                    | 4×450                                          | 15825 | 6     | 1-230                       | 1040                     | 4.80 | 57              | 5/8"                       | 1 3/8" | 323                   | 34.80 | 20                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z03 LT | ZF54KQE-TFD              | 17 | 52.18                             | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.20 | 60              | 5/8"                       | 1 3/8" | 336                   | 36.20 | 20                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z03 LT | ZFI50KQE-TFD             | 12 | 52.18                             | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.2  | 56              | 5/8"                       | 1 3/8" | 320                   | 30.20 | 15                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z05 LT | ZFI59KQE-TFD             | 15 | 60.23                             | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.2  | 57              | 5/8"                       | 1 3/8" | 333                   | 34.20 | 20                                      |     |      |      |    |   |   |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                     |                          |    | -20°C                                                       | -25°C | -30°C | -35°C | -40°C |
| HUC PLUS 4504Z03 LT | ZF49KQE-TFD              | 15 | 16.15                                                       | 13.25 | 10.8  | 7.26  | 5.53  |
| HUC PLUS 5004Z03 LT | ZF54KQE-TFD              | 17 | 17.7                                                        | 14.55 | 11.85 | 7.93  | 6.04  |
| HUC PLUS 5004Z03 LT | ZFI50KQE-TFD             | 12 | 16.8                                                        | 14.05 | 11.7  | 9.52  | 7.74  |
| HUC PLUS 5004Z05 LT | ZFI59KQE-TFD             | 15 | 20.4                                                        | 17.15 | 14.2  | 11.25 | 9.41  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP                | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        |                       |       |                                         |
|                     |                          |     |                                  |                        |                                                |       |       |                             |                          |      |                 |                            |        |                       |       |                                         |
| HUC PLUS 5001Z05 MT | H300CC                   | 3   | 16.78                            | 65                     | 1×500                                          | 4366  | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 156                   | 10.70 | 6                                       |
| HUC PLUS 4502Z02 MT | H350CC                   | 3.5 | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 292                   | 11.80 | 6                                       |
| HUC PLUS 4502Z03 MT | H405CC                   | 4   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 308                   | 11.80 | 8                                       |
| HUC PLUS 4502Z03 MT | H505CC                   | 5   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 52              | 5/8"                       | 1 1/8" | 313                   | 16.90 | 10                                      |
| HUC PLUS 5002Z04 MT | H705CC                   | 7   | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 316                   | 22.10 | 10                                      |
| HUC PLUS 5002Z05 MT | H755CC                   | 7.5 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 320                   | 22.10 | 15                                      |
| HUC PLUS 4504Z03 MT | H1002CC                  | 10  | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1~230                       | 1040                     | 4.80 | 55              | 5/8"                       | 1 1/8" | 360                   | 27.80 | 15                                      |
| HUC PLUS 5004Z03 MT | H1003CC                  | 12  | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1~230                       | 1160                     | 5.20 | 55              | 7/8"                       | 1 3/8" | 393                   | 28.20 | 20                                      |
| HUC PLUS 5004Z04 MT | H1501CC                  | 15  | 57.82                            | 170                    | 4×500                                          | 16132 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 5/8" | 401                   | 39.20 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |     | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
|                     |                          |     |                                                             |       |       |       |       |       |
| HUC PLUS 5001Z05 MT | H300CC                   | 3   | 11.68                                                       | 9.56  | 7.72  | 6.15  | 4.83  | 3.72  |
| HUC PLUS 4502Z02 MT | H350CC                   | 3.5 | 12.69                                                       | 10.41 | 8.44  | 6.76  | 5.34  | 4.15  |
| HUC PLUS 4502Z03 MT | H405CC                   | 4   | 15.59                                                       | 12.77 | 10.33 | 8.25  | 6.48  | 5.01  |
| HUC PLUS 4502Z03 MT | H505CC                   | 5   | 18.88                                                       | 15.47 | 12.52 | 9.99  | 7.86  | 6.07  |
| HUC PLUS 5002Z04 MT | H705CC                   | 7   | 22.53                                                       | 18.46 | 14.94 | 11.93 | 9.38  | 7.24  |
| HUC PLUS 5002Z05 MT | H755CC                   | 7.5 | 26.28                                                       | 21.54 | 17.43 | 13.92 | 10.94 | 8.45  |
| HUC PLUS 4504Z03 MT | H1002CC                  | 10  | 30.71                                                       | 24.95 | 20.02 | 15.84 | 12.33 | 9.43  |
| HUC PLUS 5004Z03 MT | H1003CC                  | 12  | 35.64                                                       | 28.96 | 23.24 | 18.38 | 14.31 | 10.95 |
| HUC PLUS 5004Z04 MT | H1501CC                  | 15  | 40.46                                                       | 33.20 | 26.93 | 21.56 | 17.01 | 13.19 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP                 | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    |                 | dBA                        | inch   |                       |       |                                         |
| HUC PLUS 4502Z02 LT | H355CS                   | 3   | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1-230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 166                   | 12.90 | 6                                       |
| HUC PLUS 4502Z03 LT | H405CS                   | 4   | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1-230                       | 520                      | 2.40 | 52              | 5/8"                       | 1 1/8" | 306                   | 12.90 | 8                                       |
| HUC PLUS 5002Z03 LT | H505CS                   | 5   | 29.95                            | 86                     | 2×500                                          | 9228  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 331                   | 17.10 | 8                                       |
| HUC PLUS 5002Z04 LT | H705CS                   | 7   | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 336                   | 17.10 | 10                                      |
| HUC PLUS 5002Z05 LT | H751CS                   | 7.5 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 366                   | 22.10 | 10                                      |
| HUC PLUS 4504Z03 LT | H801CS                   | 8   | 27.84                            | 127                    | 4×450                                          | 8362  | 6     | 1-230                       | 1040                     | 4.80 | 55              | 7/8"                       | 1 3/8" | 375                   | 24.30 | 15                                      |
| HUC PLUS 4504Z04 LT | H1001CS                  | 10  | 30.75                            | 170                    | 4×450                                          | 8100  | 6     | 1-230                       | 1040                     | 4.80 | 56              | 7/8"                       | 1 3/8" | 380                   | 28.80 | 20                                      |
| HUC PLUS 5004Z05 LT | H1501CS                  | 15  | 60.23                            | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 3/8" | 449                   | 33.20 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|---------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                     |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUC PLUS 4502Z02 LT | H355CS                   | 3   | 8.23                                                        | 6.48  | 5.01  | 3.79  | 2.79  |
| HUC PLUS 4502Z03 LT | H405CS                   | 4   | 9.76                                                        | 7.68  | 5.94  | 4.5   | 3.32  |
| HUC PLUS 5002Z03 LT | H505CS                   | 5   | 11.67                                                       | 9.18  | 7.10  | 5.37  | 3.96  |
| HUC PLUS 5002Z04 LT | H705CS                   | 7   | 13.58                                                       | 10.69 | 8.27  | 6.26  | 4.61  |
| HUC PLUS 5002Z05 LT | H751CS                   | 7.5 | 15.83                                                       | 12.45 | 9.64  | 7.31  | 5.42  |
| HUC PLUS 4504Z03 LT | H801CS                   | 8   | 18.42                                                       | 14.50 | 11.22 | 8.51  | 6.30  |
| HUC PLUS 4504Z04 LT | H1001CS                  | 10  | 21.97                                                       | 17.29 | 13.39 | 10.18 | 7.56  |
| HUC PLUS 5004Z05 LT | H1501CS                  | 15  | 25.54                                                       | 20.16 | 15.66 | 11.94 | 8.88  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP                | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUC PLUS 5001Z04 MT | 2DES-3Y                  | 3  | 15.65                            | 52                     | 1×500                                          | 4523  | 6     | 1~230                       | 290                      | 1.30 | 49              | 1/2"                       | 7/8"   | 156                   | 9.90  | 6                                       |
| HUC PLUS 4502Z02 MT | 2CES-4Y                  | 4  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 292                   | 12.40 | 6                                       |
| HUC PLUS 4502Z02 MT | 4FES-5Y                  | 5  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1~230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 308                   | 13.20 | 8                                       |
| HUC PLUS 4502Z03 MT | 4EES-6Y                  | 6  | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1~230                       | 520                      | 2.40 | 53              | 5/8"                       | 1 1/8" | 313                   | 16.00 | 10                                      |
| HUC PLUS 5002Z04 MT | 4DES-7Y                  | 7  | 33.04                            | 115                    | 2×500                                          | 8877  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 316                   | 19.10 | 10                                      |
| HUC PLUS 5002Z05 MT | 4CES-9Y                  | 9  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 320                   | 22.80 | 15                                      |
| HUC PLUS 5002Z05 MT | 4VES-10Y                 | 10 | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1~230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 360                   | 22.50 | 15                                      |
| HUC PLUS 4504Z04 MT | 4TES-12Y                 | 12 | 54.36                            | 170                    | 4×450                                          | 14900 | 6     | 1~230                       | 1040                     | 4.80 | 56              | 7/8"                       | 1 3/8" | 393                   | 29.90 | 20                                      |
| HUC PLUS 5004Z04 MT | 4PES-15Y                 | 15 | 57.82                            | 170                    | 4×500                                          | 16132 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 5/8" | 401                   | 33.40 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS 5001Z04 MT | 2DES-3Y                  | 3  | 10.89                                                       | 8.91  | 7.20  | 5.75  | 4.51  | 3.46  |
| HUC PLUS 4502Z02 MT | 2CES-4Y                  | 4  | 13.81                                                       | 11.32 | 9.18  | 7.36  | 5.81  | 4.50  |
| HUC PLUS 4502Z02 MT | 4FES-5Y                  | 5  | 15.22                                                       | 12.45 | 10.07 | 8.04  | 6.33  | 4.89  |
| HUC PLUS 4502Z03 MT | 4EES-6Y                  | 6  | 19.10                                                       | 15.61 | 12.62 | 10.07 | 7.91  | 6.10  |
| HUC PLUS 5002Z04 MT | 4DES-7Y                  | 7  | 21.82                                                       | 17.82 | 14.39 | 11.47 | 8.99  | 6.92  |
| HUC PLUS 5002Z05 MT | 4CES-9Y                  | 9  | 27.70                                                       | 22.65 | 18.36 | 14.70 | 11.61 | 9.00  |
| HUC PLUS 5002Z05 MT | 4VES-10Y                 | 10 | 28.92                                                       | 23.48 | 18.83 | 14.88 | 11.55 | 8.77  |
| HUC PLUS 4504Z04 MT | 4TES-12Y                 | 12 | 34.97                                                       | 28.48 | 22.93 | 18.22 | 14.24 | 10.91 |
| HUC PLUS 5004Z04 MT | 4PES-15Y                 | 15 | 40.00                                                       | 32.38 | 25.88 | 20.38 | 15.75 | 11.89 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| LBP                 | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUC PLUS 4502Z02 LT | 4FES-3Y                  | 3  | 22.30                            | 57                     | 2×450                                          | 8650  | 6     | 1-230                       | 520                      | 2.40 | 52              | 1/2"                       | 7/8"   | 166                   | 11.90 | 6                                       |
| HUC PLUS 4502Z03 LT | 4EES-4Y                  | 4  | 27.84                            | 86                     | 2×450                                          | 8362  | 6     | 1-230                       | 520                      | 2.40 | 53              | 5/8"                       | 1 1/8" | 306                   | 14.60 | 8                                       |
| HUC PLUS 5002Z03 LT | 4DES-5Y                  | 5  | 29.95                            | 86                     | 2×500                                          | 9228  | 6     | 1-230                       | 580                      | 2.60 | 53              | 5/8"                       | 1 1/8" | 331                   | 17.10 | 8                                       |
| HUC PLUS 5002Z05 LT | 4CES-6Y                  | 6  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 336                   | 20.30 | 10                                      |
| HUC PLUS 5002Z05 LT | 4VES-7Y                  | 7  | 34.26                            | 144                    | 2×500                                          | 8538  | 6     | 1-230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 1/8" | 366                   | 19.20 | 10                                      |
| HUC PLUS 4504Z03 LT | 4TES-9Y                  | 9  | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1-230                       | 1040                     | 4.80 | 57              | 7/8"                       | 1 3/8" | 375                   | 24.70 | 15                                      |
| HUC PLUS 5004Z03 LT | 4PES-12Y                 | 12 | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.20 | 57              | 7/8"                       | 1 3/8" | 380                   | 27.90 | 20                                      |
| HUC PLUS 5004Z05 LT | 4NES-14Y                 | 14 | 60.23                            | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.20 | 58              | 7/8"                       | 1 3/8" | 449                   | 31.80 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                     |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS 4502Z02 LT | 4FES-3Y                  | 3  | 8.04                                                        | 6.33  | 4.89  | 3.69  | 2.70  | 1.89  |
| HUC PLUS 4502Z03 LT | 4EES-4Y                  | 4  | 10.07                                                       | 7.91  | 6.10  | 4.59  | 3.35  | 2.34  |
| HUC PLUS 5002Z03 LT | 4DES-5Y                  | 5  | 11.47                                                       | 8.99  | 6.92  | 5.19  | 3.78  | 2.63  |
| HUC PLUS 5002Z05 LT | 4CES-6Y                  | 6  | 14.70                                                       | 11.61 | 9.00  | 6.84  | 5.05  | 3.60  |
| HUC PLUS 5002Z05 LT | 4VES-7Y                  | 7  | 14.89                                                       | 11.56 | 8.77  | 6.45  | 4.55  | 2.63  |
| HUC PLUS 4504Z03 LT | 4TES-9Y                  | 9  | 18.27                                                       | 14.29 | 10.95 | 8.18  | 5.90  | 3.40  |
| HUC PLUS 5004Z03 LT | 4PES-12Y                 | 12 | 20.49                                                       | 15.85 | 11.97 | 8.77  | 6.15  | 3.57  |
| HUC PLUS 5004Z05 LT | 4NES-14Y                 | 14 | 24.75                                                       | 19.33 | 14.79 | 11.02 | 7.93  | 4.61  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP                | Compressor/<br>Compresor    |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|---------------------|-----------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                     | Model/Modelo                | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                     |                             |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         |
| HUC PLUS 4502Z04 MT | ZBD29KQE-TFD<br>ZB29KQE-TFD | 8  | 30.75                            | 115                    | 2×450                                          | 8100  | 6     | 1~230                       | 520                      | 2.40 | 54              | 5/8"                       | 1 3/8" | 301                   | 20.30 | 10                                      |
| HUC PLUS 5004Z02 MT | ZBD38KQE-TFD<br>ZB38KQE-TFD | 10 | 41.18                            | 85                     | 4×500                                          | 18432 | 6     | 1~230                       | 580                      | 2.60 | 54              | 5/8"                       | 1 3/8" | 303                   | 26.70 | 15                                      |
| HUC PLUS 4504Z03 MT | ZBD45KQE-TFD<br>ZB45KQE-TFD | 12 | 49.08                            | 127                    | 4×450                                          | 15825 | 6     | 1~230                       | 1040                     | 4.80 | 56              | 5/8"                       | 1 3/8" | 335                   | 29.30 | 15                                      |
| HUC PLUS 5004Z03 MT | ZBD48KQE-TFD<br>ZB48KQE-TFD | 14 | 52.18                            | 127                    | 4×500                                          | 17221 | 6     | 1~230                       | 1160                     | 5.20 | 56              | 7/8"                       | 1 3/8" | 348                   | 33.20 | 15                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                | Compressor/<br>Compresor    |    | Performance/<br>Rendimiento (kW)                            |       |       |       |
|---------------------|-----------------------------|----|-------------------------------------------------------------|-------|-------|-------|
|                     | Model/<br>Modelo            | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                     |                             |    | -5°C                                                        | -10°C | -15°C | -20°C |
| HUC PLUS 4502Z04 MT | ZBD29KQE-TFD<br>ZB29KQE-TFD | 8  | 14.13                                                       | 11.79 | 9.76  | 7.99  |
| HUC PLUS 5004Z02 MT | ZBD38KQE-TFD<br>ZB38KQE-TFD | 10 | 17.84                                                       | 14.88 | 12.32 | 10.10 |
| HUC PLUS 4504Z03 MT | ZBD45KQE-TFD<br>ZB45KQE-TFD | 12 | 21.09                                                       | 17.56 | 14.54 | 11.93 |
| HUC PLUS 5004Z03 MT | ZBD48KQE-TFD<br>ZB48KQE-TFD | 14 | 23.42                                                       | 19.52 | 16.08 | 13.26 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP                 | Compressor/<br>Compresor |    | Condenser/<br>Condensador         |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |     |      |      |    |   |   |
|---------------------|--------------------------|----|-----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|-----|------|------|----|---|---|
|                     | Model/Modelo             | Hp | Capacity/<br>Capacidad/<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |     |      |      |    |   |   |
|                     |                          |    |                                   |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         | dBA | inch | inch | Kg | A | L |
|                     |                          |    |                                   |                        |                                                |       |       |                             |                          |      |                 |                            |        |                       |       |                                         |     |      |      |    |   |   |
| HUC PLUS 4504Z03 LT | ZF49KQE-TFD              | 15 | 49.08                             | 127                    | 4×450                                          | 15825 | 6     | 1-230                       | 1040                     | 4.80 | 57              | 5/8"                       | 1 3/8" | 323                   | 34.80 | 20                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z03 LT | ZF54KQE-TFD              | 17 | 52.18                             | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.20 | 60              | 5/8"                       | 1 3/8" | 336                   | 36.20 | 20                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z03 LT | ZFI50KQE-TFD             | 12 | 52.18                             | 127                    | 4×500                                          | 17221 | 6     | 1-230                       | 1160                     | 5.2  | 56              | 5/8"                       | 1 3/8" | 320                   | 30.20 | 15                                      |     |      |      |    |   |   |
| HUC PLUS 5004Z05 LT | ZFI59KQE-TFD             | 15 | 60.23                             | 212                    | 4×500                                          | 15235 | 6     | 1-230                       | 1160                     | 5.2  | 57              | 5/8"                       | 1 3/8" | 333                   | 34.20 | 20                                      |     |      |      |    |   |   |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                 | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|---------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                     | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                     |                          |    | -20°C                                                       | -25°C | -30°C | -35°C | -40°C |
| HUC PLUS 4504Z03 LT | ZF49KQE-TFD              | 15 | 15.34                                                       | 12.59 | 10.26 | 6.9   | 5.25  |
| HUC PLUS 5004Z03 LT | ZF54KQE-TFD              | 17 | 16.82                                                       | 13.82 | 11.26 | 7.53  | 5.74  |
| HUC PLUS 5004Z03 LT | ZFI50KQE-TFD             | 12 | 15.96                                                       | 13.35 | 11.12 | 9.04  | 7.35  |
| HUC PLUS 5004Z05 LT | ZFI59KQE-TFD             | 15 | 19.38                                                       | 16.29 | 13.49 | 10.69 | 8.94  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUC PLUS T SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUC PLUS T

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUC PLUS T range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUC PLUS T range are highly efficient with special profile aluminum fins and Ø9.52 mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**“Floating” system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUC PLUS T SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUC PLUS T

La unidad condensadora HUC PLUS T está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUC PLUS T son de alta eficiencia con aletas de aluminio de perfil especial y Ø9.52 mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema “flotante” evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUC PLUS T 6303Z03 MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ -Powder coated Zinc plate highly anti-corrosion strength.
- ▶ -Tropical condenser coil with copper tube and aluminium fins.
- ▶ -Sound insulation.
- ▶ -Semi-hermetic reciprocating compressor.
- ▶ -Dural pressure switch with automatic reset.
- ▶ -Filter driers on liquid and suction lines.
- ▶ -Sight glass with moisture indicator.
- ▶ -Liquid receiver.
- ▶ -Safety relief valve.
- ▶ -Ball valves on liquid and suction lines.
- ▶ -Suction accumulator.
- ▶ -Oil separator.
- ▶ -Built in electric control pannel.
- ▶ -High pressure switch/ Fan speed controller based on. condenser pressure.
- ▶ -Ziehl-Abegg or Maer axial fan motors.
- ▶ -Manometers.
- ▶ -Anti-vibration.
- ▶ -Check valve.
- ▶ -Different gas.

**Optional items:**

- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ -Paquete de aletas con tratamiento anti corrosión.
- ▶ -Condensador tropicalizado.
- ▶ -Unidad condensadora insonorizada.
- ▶ -Compresor Semi-hermético de pistones.
- ▶ -Doble presostato con rearme automatico.
- ▶ -Filtro secador en línea de succión y líquido.
- ▶ -Visor de liquido.
- ▶ -Recipiente de liquido.
- ▶ -Válvula de seguridad homologada.
- ▶ -Válvula de bola en línea de succión y líquido.
- ▶ -Separador de liquido.
- ▶ -Separador de aceite.
- ▶ -Panel eléctrico de control.
- ▶ -Alta presostato con rearme automatico/ Control de. velocidad, según la condensación.
- ▶ -Ventilador axial Ziehl-Abegg o Maer.
- ▶ -Manómetros.
- ▶ -Anti vibración.
- ▶ -Válvula de retención.
- ▶ -Diferente gas.

**Accesorios opcionales:**

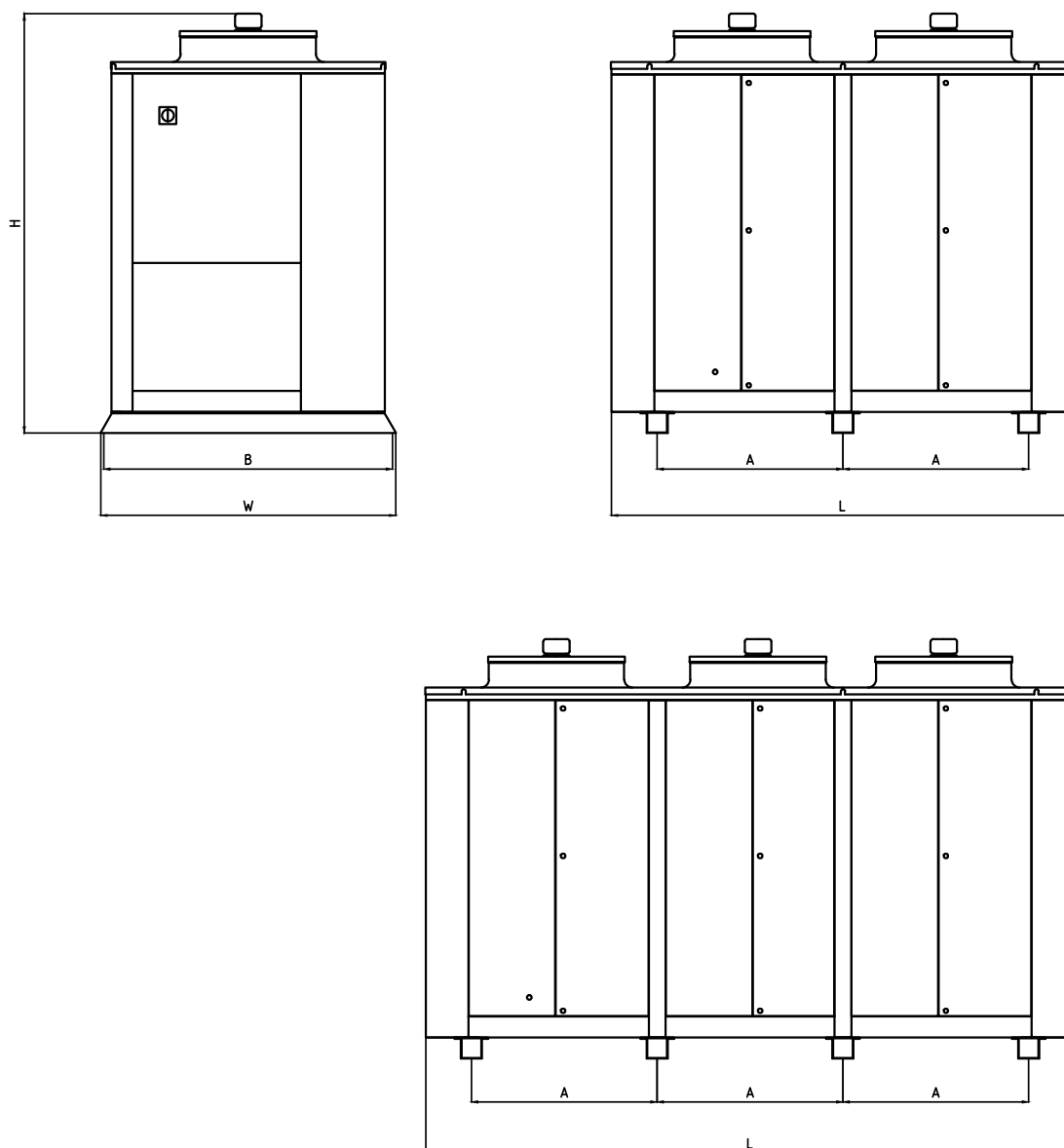
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie     | Dimensions / dimensiones(mm) |      |      |      |      |
|--------------------|------------------------------|------|------|------|------|
|                    | L                            | W    | A    | B    | H    |
| HUC PLUS T 6302... | 2205                         | 1400 | 883  | 1370 | 1995 |
| HUC PLUS T 6303... | 3105                         | 1400 | 883  | 1370 | 1995 |
| HUC PLUS T 8002... | 2805                         | 1400 | 1183 | 1370 | 2545 |
| HUC PLUS T 8003... | 4005                         | 1400 | 1183 | 1370 | 2545 |

R404A / R507A



| HMBP                  | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC   | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|--------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             |                            |        |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             |                          |       |                 |                            |        |                       |        |                                         |
| HUC PLUS T 6302Z04 MT | H2001CC                  | 20 | 65.37                            | 221                    | 2×630                                          | 17560 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 837                   | 42.20  | 30                                      |
| HUC PLUS T 6302Z05 MT | H2201CC                  | 22 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 900                   | 49.20  | 35                                      |
| HUC PLUS T 6303Z03 MT | H2500CC                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 55              | 7/8"                       | 2 1/8" | 1037                  | 54.30  | 40                                      |
| HUC PLUS T 6303Z04 MT | H3000CC                  | 30 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1075                  | 62.30  | 50                                      |
| HUC PLUS T 8002Z03 MT | H3400CC                  | 35 | 117.17                           | 265                    | 2×800                                          | 39994 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 7/8"                       | 2 1/8" | 1252                  | 67.00  | 50                                      |
| HUC PLUS T 8002Z05 MT | H4000CC                  | 40 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 7/8"                       | 2 1/8" | 1592                  | 82.00  | 60                                      |
| HUC PLUS T 8003Z03 MT | H5000CC                  | 50 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 2 1/8" | 1679                  | 103.50 | 70                                      |
| HUC PLUS T 8003Z05 MT | H6000CC                  | 60 | 212.72                           | 662                    | 3×800                                          | 56620 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 3 1/8" | 1722                  | 130.50 | 90                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                  | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |        |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|--------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |       |       |       |       |
|                       |                          |    | +5°C                                                        | 0°C    | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS T 6302Z04 MT | H2001CC                  | 20 | 47.59                                                       | 39.82  | 33.01 | 27.08 | 21.94 | 17.52 |
| HUC PLUS T 6302Z05 MT | H2201CC                  | 22 | 54.08                                                       | 45.19  | 37.40 | 30.61 | 24.73 | 19.66 |
| HUC PLUS T 6303Z03 MT | H2500CC                  | 25 | 62.06                                                       | 51.64  | 42.51 | 34.58 | 27.71 | 21.79 |
| HUC PLUS T 6303Z04 MT | H3000CC                  | 30 | 70.27                                                       | 58.42  | 48.05 | 39.03 | 31.23 | 24.53 |
| HUC PLUS T 8002Z03 MT | H3400CC                  | 35 | 82.37                                                       | 68.45  | 56.27 | 45.68 | 36.53 | 28.66 |
| HUC PLUS T 8002Z05 MT | H4000CC                  | 40 | 100.27                                                      | 83.73  | 69.23 | 56.59 | 45.64 | 36.19 |
| HUC PLUS T 8003Z03 MT | H5000CC                  | 50 | 120.92                                                      | 100.84 | 83.26 | 67.98 | 54.78 | 43.47 |
| HUC PLUS T 8003Z05 MT | H6000CC                  | 60 | 145.49                                                      | 120.99 | 99.64 | 81.16 | 65.29 | 51.73 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R404A / R507A

| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      | Kg                    | A     | L                                       |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     |                 |                            |        |                       |       |                                         |
| HUC PLUS T 6302Z05 LT | H2000CS                  | 20 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 823                   | 42.20 | 25                                      |
| HUC PLUS T 6303Z03 LT | H2500CS                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 884                   | 51.30 | 35                                      |
| HUC PLUS T 6303Z04 LT | H2700CS                  | 27 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 1 1/8"                     | 2 1/8" | 936                   | 54.30 | 40                                      |
| HUC PLUS T 8002Z04 LT | H3001CS                  | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 960                   | 63.00 | 40                                      |
| HUC PLUS T 8002Z05 LT | H3500CS                  | 35 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 1052                  | 67.00 | 50                                      |
| HUC PLUS T 8003Z03 LT | H4500CS                  | 45 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 2 1/8" | 1108                  | 85.50 | 70                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                       |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS T 6302Z05 LT | H2000CS                  | 20 | 34.78                                                       | 27.99 | 22.15 | 17.14 | 12.86 | 9.20  |
| HUC PLUS T 6303Z03 LT | H2500CS                  | 25 | 39.09                                                       | 31.42 | 24.84 | 19.22 | 14.45 | 10.42 |
| HUC PLUS T 6303Z04 LT | H2700CS                  | 27 | 43.12                                                       | 34.65 | 27.36 | 21.13 | 15.82 | 11.31 |
| HUC PLUS T 8002Z04 LT | H3001CS                  | 30 | 52.19                                                       | 42.01 | 33.23 | 25.71 | 19.28 | 13.77 |
| HUC PLUS T 8002Z05 LT | H3500CS                  | 35 | 57.77                                                       | 46.61 | 36.97 | 28.68 | 21.60 | 15.56 |
| HUC PLUS T 8003Z03 LT | H4500CS                  | 45 | 67.49                                                       | 54.69 | 43.62 | 34.12 | 25.97 | 19.02 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP                  | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC   | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|--------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             |                            |        |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             |                          |       |                 |                            |        |                       |        |                                         |
| HUC PLUS T 6302Z04 MT | 4NES-20Y                 | 20 | 65.37                            | 221                    | 2×630                                          | 17560 | 6     | 3~400                       | 1140                     | 4.20  | 55              | 7/8"                       | 15/8"  | 837                   | 37.40  | 30                                      |
| HUC PLUS T 6302Z05 MT | 4JE-22Y                  | 22 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 15/8"  | 900                   | 41.40  | 35                                      |
| HUC PLUS T 6303Z03 MT | 4HE-25Y                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1037                  | 50.30  | 40                                      |
| HUC PLUS T 6303Z04 MT | 4GE-30Y                  | 30 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1075                  | 57.50  | 50                                      |
| HUC PLUS T 8002Z03 MT | 4FE-35Y                  | 35 | 117.17                           | 265                    | 2×800                                          | 39994 | 6     | 3~400                       | 3300                     | 7.00  | 55              | 1 1/8"                     | 2 1/8" | 1252                  | 69.10  | 50                                      |
| HUC PLUS T 8002Z05 MT | 6GE-40Y                  | 40 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 59              | 1 1/8"                     | 2 1/8" | 1592                  | 80.90  | 60                                      |
| HUC PLUS T 8003Z03 MT | 6FE-50Y                  | 50 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 58              | 1 3/8"                     | 2 1/8" | 1679                  | 106.70 | 70                                      |
| HUC PLUS T 8003Z05 MT | 8GE-60Y                  | 60 | 212.72                           | 662                    | 3×800                                          | 56620 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 3 1/8" | 1722                  | 123.50 | 90                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                  | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |        |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|--------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |       |       |       |       |
|                       |                          |    | +5°C                                                        | 0°C    | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS T 6302Z04 MT | 4NES-20Y                 | 20 | 46.83                                                       | 38.71  | 31.68 | 25.64 | 20.47 | 16.08 |
| HUC PLUS T 6302Z05 MT | 4JE-22Y                  | 22 | 51.95                                                       | 43.18  | 35.52 | 28.87 | 23.11 | 18.15 |
| HUC PLUS T 6303Z03 MT | 4HE-25Y                  | 25 | 60.73                                                       | 50.67  | 41.88 | 34.23 | 27.61 | 21.91 |
| HUC PLUS T 6303Z04 MT | 4GE-30Y                  | 30 | 69.35                                                       | 57.94  | 47.98 | 39.31 | 31.81 | 25.35 |
| HUC PLUS T 8002Z03 MT | 4FE-35Y                  | 35 | 82.01                                                       | 69.01  | 57.59 | 47.59 | 38.85 | 31.26 |
| HUC PLUS T 8002Z05 MT | 6GE-40Y                  | 40 | 100.43                                                      | 84.13  | 69.85 | 57.39 | 46.55 | 37.18 |
| HUC PLUS T 8003Z03 MT | 6FE-50Y                  | 50 | 121.71                                                      | 102.23 | 85.12 | 70.14 | 57.07 | 45.70 |
| HUC PLUS T 8003Z05 MT | 8GE-60Y                  | 60 | 140.32                                                      | 117.95 | 98.23 | 80.87 | 65.61 | 52.20 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R404A / R507A

| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |       |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             | inch                       | inch   |                       |       |                                         |
| HUC PLUS T 6302Z05 LT | 4HE-18Y                  | 18 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 56              | 7/8"                       | 1 5/8" | 823                   | 40.90 | 25                                      |
| HUC PLUS T 6303Z03 LT | 4GE-23Y                  | 20 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 60              | 7/8"                       | 2 1/8" | 884                   | 50.20 | 35                                      |
| HUC PLUS T 6303Z04 LT | 6JE-25Y                  | 25 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 59              | 1 1/8"                     | 2 1/8" | 936                   | 52.70 | 40                                      |
| HUC PLUS T 8002Z04 LT | 6HE-28Y                  | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 960                   | 60.20 | 40                                      |
| HUC PLUS T 8002Z05 LT | 6GE-34Y                  | 35 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 63              | 1 1/8"                     | 2 1/8" | 1052                  | 72.50 | 50                                      |
| HUC PLUS T 8003Z03 LT | 6FE-44Y                  | 45 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 64              | 1 3/8"                     | 2 1/8" | 1108                  | 93.70 | 70                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                       |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS T 6302Z05 LT | 4HE-18Y                  | 18 | 34.98                                                       | 28.34 | 22.62 | 17.72 | 13.57 | 10.07 |
| HUC PLUS T 6303Z03 LT | 4GE-23Y                  | 20 | 40.59                                                       | 33.05 | 26.56 | 21.00 | 16.29 | 12.32 |
| HUC PLUS T 6303Z04 LT | 6JE-25Y                  | 25 | 44.55                                                       | 35.89 | 28.46 | 22.11 | 16.75 | 12.26 |
| HUC PLUS T 8002Z04 LT | 6HE-28Y                  | 30 | 51.51                                                       | 41.74 | 33.32 | 26.10 | 19.97 | 14.80 |
| HUC PLUS T 8002Z05 LT | 6GE-34Y                  | 35 | 60.31                                                       | 49.40 | 39.95 | 31.81 | 24.84 | 18.92 |
| HUC PLUS T 8003Z03 LT | 6FE-44Y                  | 45 | 72.19                                                       | 59.07 | 47.66 | 37.77 | 29.24 | 21.92 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |       |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     |                 | dBA                        | inch   |                       |       |                                         |
| HUC PLUS T 6302Z05 LT | ZFI68KQE                 | 18 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 53              | 5/8"                       | 1 3/8" | 690                   | 34.20 | 20                                      |
| HUC PLUS T 6303Z03 LT | ZFI81KQE                 | 20 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 59              | 5/8"                       | 1 3/8" | 758                   | 37.30 | 25                                      |
| HUC PLUS T 6303Z05 LT | ZFI96KQE                 | 25 | 104.25                           | 414                    | 3×630                                          | 25613 | 6     | 3~400                       | 1710                     | 6.30  | 65              | 1 1/8"                     | 1 5/8" | 868                   | 47.80 | 40                                      |
| HUC PLUS T 8002Z04 LT | ZFI122KQE                | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 1710                     | 6.30  | 68              | 1 1/8"                     | 1 5/8" | 1003                  | 59.90 | 40                                      |
| HUC PLUS T 8003Z03 LT | ZFI140KQE                | 40 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 69              | 1 1/8"                     | 1 5/8" | 1047                  | 66.80 | 60                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Condensers are designed at ambient temperature 32°C.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Max Operating Current.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                       |                          |    | -20°C                                                       | -25°C | -30°C | -35°C | -40°C |
| HUC PLUS T 6302Z05 LT | ZFI68KQE                 | 18 | 23.2                                                        | 19.45 | 16.1  | 12.7  | 10.6  |
| HUC PLUS T 6303Z03 LT | ZFI81KQE                 | 20 | 27.2                                                        | 22.8  | 18.9  | 14.9  | 12.5  |
| HUC PLUS T 6303Z05 LT | ZFI96KQE                 | 25 | 33.80                                                       | 28.30 | 23.30 | 18.75 | 14.35 |
| HUC PLUS T 8002Z04 LT | ZFI122KQE                | 30 | 43.84                                                       | 36.81 | 30.52 | 23.62 | 18.04 |
| HUC PLUS T 8003Z03 LT | ZFI140KQE                | 40 | 46.80                                                       | 39.00 | 32.10 | 25.80 | 19.80 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| HMBP                  | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC   | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|--------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             | inch                       | inch   |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             |                          |       |                 |                            |        |                       |        |                                         |
| HUC PLUS T 6302Z04 MT | H2001CC                  | 20 | 65.37                            | 221                    | 2×630                                          | 17560 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 837                   | 42.20  | 30                                      |
| HUC PLUS T 6302Z05 MT | H2201CC                  | 22 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 900                   | 49.20  | 35                                      |
| HUC PLUS T 6303Z03 MT | H2500CC                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 55              | 7/8"                       | 2 1/8" | 1037                  | 54.30  | 40                                      |
| HUC PLUS T 6303Z04 MT | H3000CC                  | 30 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1075                  | 62.30  | 50                                      |
| HUC PLUS T 8002Z03 MT | H3400CC                  | 35 | 117.17                           | 265                    | 2×800                                          | 39994 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 7/8"                       | 2 1/8" | 1252                  | 67.00  | 50                                      |
| HUC PLUS T 8002Z05 MT | H4000CC                  | 40 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 7/8"                       | 2 1/8" | 1592                  | 82.00  | 60                                      |
| HUC PLUS T 8003Z03 MT | H5000CC                  | 50 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 2 1/8" | 1679                  | 103.50 | 70                                      |
| HUC PLUS T 8003Z05 MT | H6000CC                  | 60 | 212.72                           | 662                    | 3×800                                          | 56620 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 3 1/8" | 1722                  | 130.50 | 90                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                  | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |        |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|--------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |       |       |       |       |
|                       |                          |    | +5°C                                                        | 0°C    | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS T 6302Z04 MT | H2001CC                  | 20 | 48.03                                                       | 39.41  | 31.97 | 25.59 | 20.19 | 15.66 |
| HUC PLUS T 6302Z05 MT | H2201CC                  | 22 | 54.18                                                       | 44.45  | 36.04 | 28.84 | 22.74 | 17.63 |
| HUC PLUS T 6303Z03 MT | H2500CC                  | 25 | 61.49                                                       | 50.30  | 40.61 | 32.32 | 25.28 | 19.37 |
| HUC PLUS T 6303Z04 MT | H3000CC                  | 30 | 69.24                                                       | 56.51  | 45.52 | 36.11 | 28.16 | 21.51 |
| HUC PLUS T 8002Z03 MT | H3400CC                  | 35 | 82.58                                                       | 67.33  | 54.17 | 42.91 | 33.39 | 25.43 |
| HUC PLUS T 8002Z05 MT | H4000CC                  | 40 | 99.57                                                       | 81.68  | 66.20 | 52.94 | 41.69 | 32.25 |
| HUC PLUS T 8003Z03 MT | H5000CC                  | 50 | 120.38                                                      | 98.42  | 79.49 | 63.34 | 49.71 | 38.34 |
| HUC PLUS T 8003Z05 MT | H6000CC                  | 60 | 149.38                                                      | 121.98 | 98.42 | 78.36 | 61.47 | 47.43 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |       |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     |                 |                            |        |                       |       |                                         |
| HUC PLUS T 6302Z05 LT | H2000CS                  | 20 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 823                   | 42.20 | 25                                      |
| HUC PLUS T 6303Z03 LT | H2500CS                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 884                   | 51.30 | 35                                      |
| HUC PLUS T 6303Z04 LT | H2700CS                  | 27 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 1 1/8"                     | 2 1/8" | 936                   | 54.30 | 40                                      |
| HUC PLUS T 8002Z04 LT | H3001CS                  | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 960                   | 63.00 | 40                                      |
| HUC PLUS T 8002Z05 LT | H3500CS                  | 35 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 1052                  | 67.00 | 50                                      |
| HUC PLUS T 8003Z03 LT | H4500CS                  | 45 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 2 1/8" | 1108                  | 85.50 | 70                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                       |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUC PLUS T 6302Z05 LT | H2000CS                  | 20 | 32.66                                                       | 25.64 | 19.77 | 14.92 | 10.95 |
| HUC PLUS T 6303Z03 LT | H2500CS                  | 25 | 36.61                                                       | 28.66 | 22.02 | 16.56 | 12.12 |
| HUC PLUS T 6303Z04 LT | H2700CS                  | 27 | 39.45                                                       | 30.81 | 23.61 | 17.70 | 12.92 |
| HUC PLUS T 8002Z04 LT | H3001CS                  | 30 | 48.05                                                       | 37.67 | 28.99 | 21.81 | 15.94 |
| HUC PLUS T 8002Z05 LT | H3500CS                  | 35 | 52.76                                                       | 41.22 | 31.62 | 23.74 | 17.36 |
| HUC PLUS T 8003Z03 LT | H4500CS                  | 45 | 63.43                                                       | 50.12 | 38.97 | 29.75 | 22.20 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



## R448A / R449A

| HMBP                  | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC   | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|--------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |        |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             | inch                       | inch   |                       |        |                                         |
| HUC PLUS T 6302Z04 MT | 4NES-20Y                 | 20 | 65.37                            | 221                    | 2×630                                          | 17560 | 6     | 3~400                       | 1140                     | 4.20  | 55              | 7/8"                       | 1 5/8" | 837                   | 37.40  | 30                                      |
| HUC PLUS T 6302Z05 MT | 4JE-22Y                  | 22 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 54              | 7/8"                       | 1 5/8" | 900                   | 41.40  | 35                                      |
| HUC PLUS T 6303Z03 MT | 4HE-25Y                  | 25 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1037                  | 50.30  | 40                                      |
| HUC PLUS T 6303Z04 MT | 4GE-30Y                  | 30 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 56              | 7/8"                       | 2 1/8" | 1075                  | 57.50  | 50                                      |
| HUC PLUS T 8002Z03 MT | 4FE-35Y                  | 35 | 117.17                           | 265                    | 2×800                                          | 39994 | 6     | 3~400                       | 3300                     | 7.00  | 55              | 1 1/8"                     | 2 1/8" | 1252                  | 69.10  | 50                                      |
| HUC PLUS T 8002Z05 MT | 6GE-40Y                  | 40 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 59              | 1 1/8"                     | 2 1/8" | 1592                  | 80.90  | 60                                      |
| HUC PLUS T 8003Z03 MT | 6FE-50Y                  | 50 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 58              | 1 3/8"                     | 2 1/8" | 1679                  | 106.70 | 70                                      |
| HUC PLUS T 8003Z05 MT | 8GE-60Y                  | 60 | 212.72                           | 662                    | 3×800                                          | 56620 | 6     | 3~400                       | 4950                     | 10.50 | 59              | 1 3/8"                     | 3 1/8" | 1722                  | 123.50 | 90                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP                  | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |        |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|--------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |       |       |       |       |
|                       |                          |    | +5°C                                                        | 0°C    | -5°C  | -10°C | -15°C | -20°C |
| HUC PLUS T 6302Z04 MT | 4NES-20Y                 | 20 | 47.71                                                       | 38.85  | 31.29 | 24.87 | 19.46 | 14.94 |
| HUC PLUS T 6302Z05 MT | 4JE-22Y                  | 22 | 53.04                                                       | 43.43  | 35.15 | 28.03 | 21.96 | 16.81 |
| HUC PLUS T 6303Z03 MT | 4HE-25Y                  | 25 | 62.12                                                       | 51.08  | 41.56 | 33.39 | 26.40 | 20.47 |
| HUC PLUS T 6303Z04 MT | 4GE-30Y                  | 30 | 70.98                                                       | 58.47  | 47.68 | 38.41 | 30.49 | 23.77 |
| HUC PLUS T 8002Z03 MT | 4FE-35Y                  | 35 | 84.27                                                       | 69.96  | 57.53 | 46.78 | 37.49 | 29.51 |
| HUC PLUS T 8002Z05 MT | 6GE-40Y                  | 40 | 103.03                                                      | 85.10  | 69.60 | 56.22 | 44.74 | 34.93 |
| HUC PLUS T 8003Z03 MT | 6FE-50Y                  | 50 | 124.97                                                      | 103.52 | 84.92 | 68.81 | 54.92 | 42.98 |
| HUC PLUS T 8003Z05 MT | 8GE-60Y                  | 60 | 140.32                                                      | 117.95 | 98.23 | 80.87 | 65.61 | 52.20 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |       |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     |                 |                            |        |                       |       |                                         |
| HUC PLUS T 6302Z05 LT | 4HE-18Y                  | 18 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 56              | 7/8"                       | 1 5/8" | 823                   | 40.90 | 25                                      |
| HUC PLUS T 6303Z03 LT | 4GE-23Y                  | 20 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 60              | 7/8"                       | 2 1/8" | 884                   | 50.20 | 35                                      |
| HUC PLUS T 6303Z04 LT | 6JE-25Y                  | 25 | 98.05                            | 331                    | 3×630                                          | 26340 | 6     | 3~400                       | 1710                     | 6.30  | 59              | 1 1/8"                     | 2 1/8" | 936                   | 52.70 | 40                                      |
| HUC PLUS T 8002Z04 LT | 6HE-28Y                  | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 3300                     | 7.00  | 57              | 1 1/8"                     | 2 1/8" | 960                   | 60.20 | 40                                      |
| HUC PLUS T 8002Z05 LT | 6GE-34Y                  | 35 | 143.99                           | 441                    | 2×800                                          | 37480 | 6     | 3~400                       | 3300                     | 7.00  | 63              | 1 1/8"                     | 2 1/8" | 1052                  | 72.50 | 50                                      |
| HUC PLUS T 8003Z03 LT | 6FE-44Y                  | 45 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 64              | 1 3/8"                     | 2 1/8" | 1108                  | 93.70 | 70                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                       |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUC PLUS T 6302Z05 LT | 4HE-18Y                  | 18 | 34.20                                                       | 27.19 | 21.24 | 16.21 | 12.01 | 7.00  |
| HUC PLUS T 6303Z03 LT | 4GE-23Y                  | 20 | 39.80                                                       | 31.85 | 25.08 | 19.38 | 14.61 | 8.51  |
| HUC PLUS T 6303Z04 LT | 6JE-25Y                  | 25 | 43.41                                                       | 34.29 | 26.57 | 20.07 | 14.67 | 8.56  |
| HUC PLUS T 8002Z04 LT | 6HE-28Y                  | 30 | 50.38                                                       | 40.06 | 31.28 | 23.86 | 17.65 | 10.29 |
| HUC PLUS T 8002Z05 LT | 6GE-34Y                  | 35 | 59.40                                                       | 47.83 | 37.93 | 29.52 | 22.41 | 13.07 |
| HUC PLUS T 8003Z03 LT | 6FE-44Y                  | 45 | 71.05                                                       | 57.10 | 45.10 | 34.83 | 26.07 | 15.17 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP                   | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |       | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-----------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                       | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |       | *Dist=10m       | L                          | S      |                       |       |                                         |
|                       |                          |    |                                  |                        |                                                |       |       |                             | W                        | A     | dBA             | inch                       | inch   | Kg                    | A     | L                                       |
| HUC PLUS T 6302Z05 LT | ZFI68KQE                 | 18 | 68.86                            | 276                    | 2×630                                          | 17075 | 6     | 3~400                       | 1140                     | 4.20  | 53              | 5/8"                       | 1 3/8" | 690                   | 34.20 | 20                                      |
| HUC PLUS T 6303Z03 LT | ZFI81KQE                 | 20 | 87.02                            | 248                    | 3×630                                          | 27103 | 6     | 3~400                       | 1710                     | 6.30  | 59              | 5/8"                       | 1 3/8" | 758                   | 37.30 | 25                                      |
| HUC PLUS T 6303Z05 LT | ZFI96KQE                 | 25 | 104.25                           | 414                    | 3×630                                          | 25613 | 6     | 3~400                       | 1710                     | 6.30  | 65              | 1 1/8"                     | 1 5/8" | 868                   | 47.80 | 40                                      |
| HUC PLUS T 8002Z04 LT | ZFI122KQE                | 30 | 133.91                           | 353                    | 2×800                                          | 38769 | 6     | 3~400                       | 1710                     | 6.30  | 68              | 1 1/8"                     | 1 5/8" | 1003                  | 59.90 | 40                                      |
| HUC PLUS T 8003Z03 LT | ZFI140KQE                | 40 | 165.27                           | 397                    | 3×800                                          | 60087 | 6     | 3~400                       | 4950                     | 10.50 | 69              | 1 1/8"                     | 1 5/8" | 1047                  | 66.80 | 60                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                   | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-----------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                       | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                       |                          |    | -20°C                                                       | -25°C | -30°C | -35°C | -40°C |
| HUC PLUS T 6302Z05 LT | ZFI68KQE                 | 18 | 22.04                                                       | 18.48 | 15.30 | 12.07 | 10.07 |
| HUC PLUS T 6303Z03 LT | ZFI81KQE                 | 20 | 25.84                                                       | 21.66 | 17.96 | 14.16 | 11.88 |
| HUC PLUS T 6303Z05 LT | ZFI96KQE                 | 25 | 32.11                                                       | 26.89 | 22.14 | 17.81 | 13.63 |
| HUC PLUS T 8002Z04 LT | ZFI122KQE                | 30 | 41.65                                                       | 34.97 | 28.99 | 22.44 | 17.14 |
| HUC PLUS T 8003Z03 LT | ZFI140KQE                | 40 | 44.46                                                       | 37.05 | 30.50 | 24.51 | 18.81 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUD SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUD

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUD range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUD range are highly efficient with special profile aluminum fins and Ø7 mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**“Floating” system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUD SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUD

La unidad condensadora HUD está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUD son de alta eficiencia con aletas de aluminio de perfil especial y Ø7 mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema “flotante” evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUD 5002Z03 MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Tropical condenser coil with copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Inverter driven & fixed speed hermetic scroll compressor.
- ▶ Semi-hermetic reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Filter driers on liquid line.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Safety relief valve.
- ▶ Ball valves on liquid and suction lines.
- ▶ Suction accumulator.
- ▶ Oil separator.
- ▶ Built in electric control panel.
- ▶ High pressure switch/ Fan speed controller based on condenser pressure.
- ▶ Weiguang axial fan motors.
- ▶ Anti-vibration.
- ▶ Different gas.

**Optional items:**

- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Condensador tropicalizado.
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor scroll hermético con inversor y velocidad fija.
- ▶ Compresor alternativo semihermético.
- ▶ Doble presostato con rearme automático.
- ▶ Filtro deshidratador en línea de líquido.
- ▶ Visor de líquido.
- ▶ Recipiente de líquido.
- ▶ Válvula de seguridad homologada.
- ▶ Válvula de bola en línea de succión y líquido.
- ▶ Separador de líquido.
- ▶ Separador de aceite.
- ▶ Panel eléctrico de control.
- ▶ Alta presostato con rearme automático/ Control de velocidad, según la condensación.
- ▶ Ventilador axial Weiguang.
- ▶ Anti vibración.
- ▶ Diferente gas.

**Accesorios opcionales:**

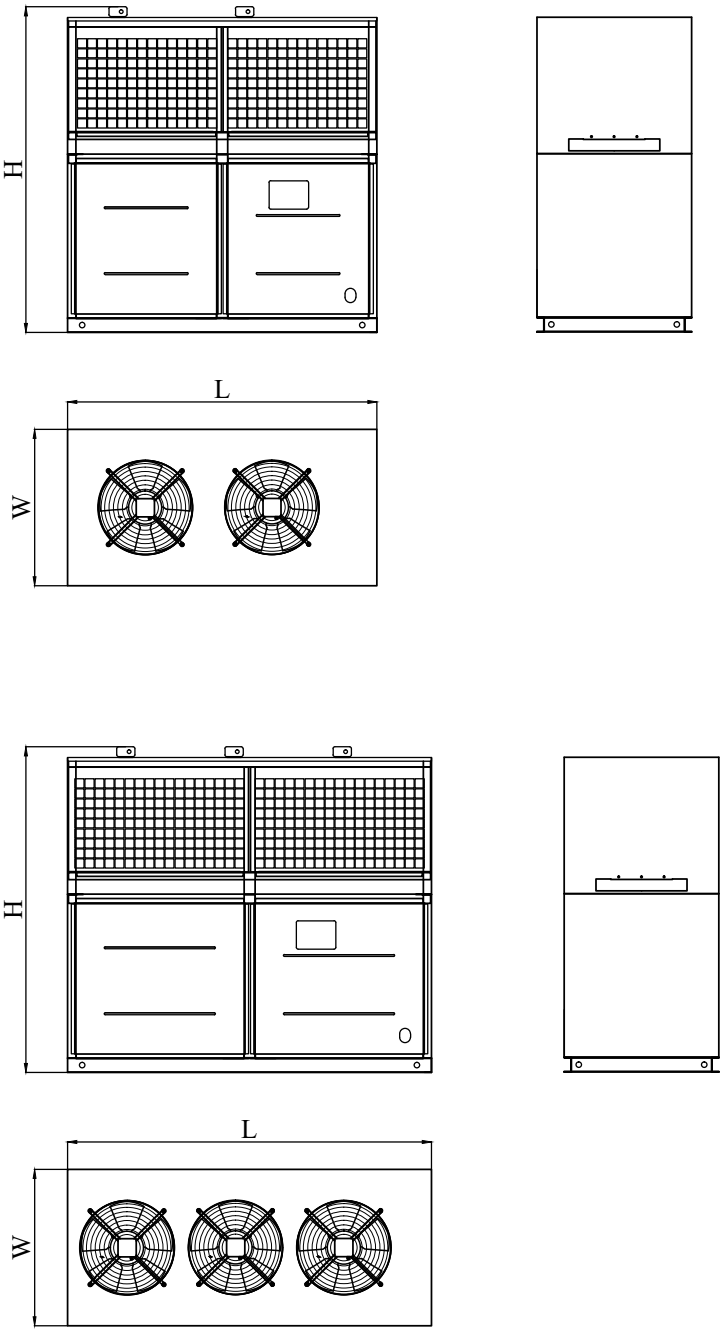
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie | Dimensions / dimensiones(mm) |     |      |
|----------------|------------------------------|-----|------|
|                | L                            | W   | H    |
| HUD 5002...    | 1700                         | 860 | 1790 |
| HUD 5003...    | 2000                         | 860 | 1790 |

R404A / R507A



| HMBP           | Compressor/<br>Compresor     |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|------------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo                 | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                              |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         |
| HUD 5002Z02 MT | YM102E1G-100<br>YIM72E1G-100 | 13 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 59              | 3/4"                       | 1 3/8" | 343                   | 33.80 | 15                                      |
| HUD 5002Z03 MT | YM125E1G-100<br>YIM72E1G-100 | 14 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 59              | 7/8"                       | 1 5/8" | 350                   | 36.80 | 15                                      |
| HUD 5002Z04 MT | YM182E1G-100<br>YIM72E1G-100 | 17 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 60              | 7/8"                       | 1 5/8" | 358                   | 43.10 | 20                                      |
| HUD 5003Z03 MT | YM200E1G-100<br>YIM72E1G-100 | 19 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 60              | 7/8"                       | 1 5/8" | 500                   | 47.75 | 20                                      |
| HUD 5003Z03 MT | YM210E1G-100<br>YIM72E1G-100 | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 60              | 7/8"                       | 1 5/8" | 500                   | 48.85 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor     |    | Performance/<br>Rendimiento (kW)                            |        |        |        |        |        |
|----------------|------------------------------|----|-------------------------------------------------------------|--------|--------|--------|--------|--------|
|                | Model/<br>Modelo             | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |        |        |        |        |
|                |                              |    | +5°C                                                        | 0°C    | -5°C   | -10°C  | -15°C  | -20°C  |
| HUD 5002Z02 MT | YM102E1G-100<br>YIM72E1G-100 | 13 | 33.24                                                       | 28.292 | 23.985 | 20.166 | 16.701 | 13.456 |
| HUD 5002Z03 MT | YM125E1G-100<br>YIM72E1G-100 | 14 | 36.89                                                       | 31.382 | 26.585 | 22.346 | 18.521 | 14.956 |
| HUD 5002Z04 MT | YM182E1G-100<br>YIM72E1G-100 | 17 | 45.95                                                       | 39.032 | 33.025 | 27.736 | 23.011 | 18.656 |
| HUD 5003Z03 MT | YM200E1G-100<br>YIM72E1G-100 | 19 | 48.59                                                       | 41.272 | 34.905 | 29.316 | 24.321 | 19.746 |
| HUD 5003Z03 MT | YM210E1G-100<br>YIM72E1G-100 | 20 | 50.17                                                       | 42.602 | 36.025 | 30.256 | 25.111 | 20.386 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R404A / R507A

| LBP            | Compressor/<br>Compresor      |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |     | Noise/<br>Ruido  | Pipe Fittings/<br>Tuberías |           | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|-------------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|-----|------------------|----------------------------|-----------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo                  | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m<br>dBA | L<br>inch                  | S<br>inch | Kg                    | A     | L                                       |
|                |                               |    |                                  |                        |                                                |       |       |                             | W                        | A   |                  |                            |           |                       |       |                                         |
| HUD 5002Z02 LT | YF41E1G-Q100<br>YIF72E1G-Q100 | 13 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5 | 60               | 5/8"                       | 15/8"     | 345                   | 28.90 | 15                                      |
| HUD 5002Z03 LT | YF72E1G-Q100<br>YIF72E1G-Q100 | 17 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5 | 60               | 3/4"                       | 15/8"     | 355                   | 39.50 | 20                                      |
| HUD 5002Z04 LT | YF80E1G-Q100<br>YIF72E1G-Q100 | 19 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5 | 62               | 3/4"                       | 15/8"     | 361                   | 42.40 | 20                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor      |    | Performance/<br>Rendimiento (kW)                            |        |       |        |        |       |
|----------------|-------------------------------|----|-------------------------------------------------------------|--------|-------|--------|--------|-------|
|                | Model/<br>Modelo              | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |        |       |        |        |       |
|                |                               |    | -10°C                                                       | -15°C  | -20°C | -25°C  | -30°C  | -35°C |
| HUD 5002Z02 LT | YF41E1G-Q100<br>YIF72E1G-Q100 | 13 | 19.799                                                      | 16.508 | 13.63 | 11.152 | 9.049  | 6.946 |
| HUD 5002Z03 LT | YF72E1G-Q100<br>YIF72E1G-Q100 | 17 | 26.579                                                      | 22.158 | 18.31 | 14.982 | 12.149 | 9.316 |
| HUD 5002Z04 LT | YF80E1G-Q100<br>YIF72E1G-Q100 | 19 | 28.649                                                      | 23.858 | 19.67 | 16.062 | 12.989 | 9.916 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    |                 |                            |        |                       |       |                                         |
| HUD 5002Z02 MT | H1002CC                  | 10 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 7/8"                       | 1 3/8" | 437                   | 26.50 | 15                                      |
| HUD 5002Z02 MT | H1003CC                  | 11 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 7/8"                       | 1 3/8" | 440                   | 26.50 | 15                                      |
| HUD 5002Z02 MT | H1201CC                  | 12 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 448                   | 33.25 | 15                                      |
| HUD 5002Z03 MT | H1501CC                  | 15 | 40.05                            | 106                    | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 456                   | 37.50 | 20                                      |
| HUD 5003Z02 MT | H2001CC                  | 20 | 43.34                            | 85                     | 3×500                                          | 19482 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 598                   | 43.25 | 30                                      |
| HUD 5003Z03 MT | H2500CC                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 604                   | 53.25 | 35                                      |
| HUD 5003Z04 MT | H3000CC                  | 30 | 62.19                            | 170.09                 | 3×500                                          | 18188 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 615                   | 61.25 | 40                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUD 5002Z02 MT | H1002CC                  | 10 | 30.73                                                       | 25.55 | 21.02 | 17.10 | 13.72 | 10.84 |
| HUD 5002Z02 MT | H1003CC                  | 11 | 34.08                                                       | 28.54 | 23.67 | 19.43 | 15.74 | 12.55 |
| HUD 5002Z02 MT | H1201CC                  | 12 | 35.61                                                       | 29.78 | 24.68 | 20.24 | 16.40 | 13.09 |
| HUD 5002Z03 MT | H1501CC                  | 15 | 39.44                                                       | 33.45 | 28.07 | 23.27 | 19.01 | 15.24 |
| HUD 5003Z02 MT | H2001CC                  | 20 | 47.59                                                       | 39.82 | 33.01 | 27.08 | 21.94 | 17.52 |
| HUD 5003Z03 MT | H2500CC                  | 25 | 62.06                                                       | 51.64 | 42.51 | 34.58 | 27.71 | 21.79 |
| HUD 5003Z04 MT | H3000CC                  | 30 | 70.27                                                       | 58.42 | 48.05 | 39.03 | 31.23 | 24.53 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUD 5002Z02 LT | H1001CS                  | 10 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 445                   | 27.5  | 15                                      |
| HUD 5002Z03 LT | H1501CS                  | 15 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 451                   | 26.5  | 20                                      |
| HUD 5002Z04 LT | H1601CS                  | 16 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 460                   | 37.5  | 20                                      |
| HUD 5003Z03 LT | H2000CS                  | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 599                   | 43.25 | 25                                      |
| HUD 5003Z03 LT | H2500CS                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 601                   | 50.25 | 30                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUD 5002Z02 LT | H1001CS                  | 10 | 23.34                                                       | 18.92 | 15.09 | 11.80 | 8.98  | 6.58  |
| HUD 5002Z03 LT | H1501CS                  | 15 | 27.19                                                       | 22.03 | 17.56 | 13.72 | 10.43 | 7.62  |
| HUD 5002Z04 LT | H1601CS                  | 16 | 30.56                                                       | 24.70 | 19.68 | 15.40 | 11.79 | 8.75  |
| HUD 5003Z03 LT | H2000CS                  | 20 | 34.78                                                       | 27.99 | 22.15 | 17.14 | 12.86 | 9.20  |
| HUD 5003Z03 LT | H2500CS                  | 25 | 39.09                                                       | 31.42 | 24.84 | 19.22 | 14.45 | 10.42 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        | inch                  | inch  | Kg                                      |
| HUD 5002Z02 MT | 4VES-10Y                 | 10 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 54              | 7/8                        | 1 1/8" | 440                   | 22.8  | 15                                      |
| HUD 5002Z02 MT | 4TES-12Y                 | 12 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 448                   | 28.6  | 15                                      |
| HUD 5002Z03 MT | 4PES-15Y                 | 15 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 456                   | 30.6  | 20                                      |
| HUD 5003Z02 MT | 4NES-20Y                 | 20 | 43.34                            | 85                     | 3×500                                          | 19482 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 598                   | 37.35 | 30                                      |
| HUD 5003Z03 MT | 4HE-25Y                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 604                   | 47.6  | 35                                      |
| HUD 5003Z04 MT | 4GE-30Y                  | 30 | 62.19                            | 170.09                 | 3×500                                          | 18188 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 615                   | 54.8  | 40                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUD 5002Z02 MT | 4VES-10Y                 | 10 | 28.41                                                       | 23.42 | 19.11 | 15.39 | 12.21 | 9.50  |
| HUD 5002Z02 MT | 4TES-12Y                 | 12 | 34.32                                                       | 28.37 | 23.22 | 18.78 | 14.98 | 11.75 |
| HUD 5002Z03 MT | 4PES-15Y                 | 15 | 39.34                                                       | 32.36 | 26.32 | 21.13 | 16.69 | 12.94 |
| HUD 5003Z02 MT | 4NES-20Y                 | 20 | 46.83                                                       | 38.71 | 31.68 | 25.64 | 20.47 | 16.08 |
| HUD 5003Z03 MT | 4HE-25Y                  | 25 | 60.73                                                       | 50.67 | 41.88 | 34.23 | 27.61 | 21.91 |
| HUD 5003Z04 MT | 4GE-30Y                  | 30 | 69.35                                                       | 57.94 | 47.98 | 39.31 | 31.81 | 25.35 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R404A / R507A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBa             | inch                       | inch   |                       |       |                                         |
| HUD 5002Z02 LT | 4PES-12Y                 | 12 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 56              | 1 1/8"                     | 1 3/8" | 445                   | 26.5  | 15                                      |
| HUD 5002Z03 LT | 4NES-14Y                 | 14 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 56              | 1 1/8"                     | 1 3/8" | 451                   | 30.1  | 15                                      |
| HUD 5002Z04 LT | 4HE-18Y                  | 18 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 57              | 1 1/8"                     | 1 5/8" | 460                   | 39.6  | 25                                      |
| HUD 5003Z03 LT | 4GE-23Y                  | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 52              | 1 1/8"                     | 2 1/8" | 599                   | 48.55 | 30                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUD 5002Z02 LT | 4PES-12Y                 | 12 | 21.23                                                       | 16.79 | 13.02 | 9.86  | 7.22  | 5.07  |
| HUD 5002Z03 LT | 4NES-14Y                 | 14 | 25.52                                                       | 20.35 | 15.95 | 12.24 | 9.14  | 6.58  |
| HUD 5002Z04 LT | 4HE-18Y                  | 18 | 34.98                                                       | 28.34 | 22.62 | 17.72 | 13.57 | 10.07 |
| HUD 5003Z03 LT | 4GE-23Y                  | 20 | 40.59                                                       | 33.05 | 26.56 | 21.00 | 16.29 | 12.32 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor     |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|------------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo                 | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                              |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        | inch                  | inch  | Kg                                      |
| HUD 5002Z02 MT | YM102E1G-100<br>YIM72E1G-100 | 13 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 59              | 3/4"                       | 1 3/8" | 343                   | 33.80 | 15                                      |
| HUD 5002Z03 MT | YM125E1G-100<br>YIM72E1G-100 | 14 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 59              | 7/8"                       | 1 5/8" | 350                   | 36.80 | 15                                      |
| HUD 5002Z04 MT | YM182E1G-100<br>YIM72E1G-100 | 17 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 60              | 7/8"                       | 1 5/8" | 358                   | 43.10 | 20                                      |
| HUD 5003Z03 MT | YM200E1G-100<br>YIM72E1G-100 | 19 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 60              | 7/8"                       | 1 5/8" | 500                   | 47.75 | 20                                      |
| HUD 5003Z03 MT | YM210E1G-100<br>YIM72E1G-100 | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 60              | 7/8"                       | 1 5/8" | 500                   | 48.85 | 25                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor     |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|------------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo             | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                              |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUD 5002Z02 MT | YM102E1G-100<br>YIM72E1G-100 | 13 | 31.72                                                       | 27.00 | 22.89 | 19.25 | 15.94 | 12.84 |
| HUD 5002Z03 MT | YM125E1G-100<br>YIM72E1G-100 | 14 | 35.21                                                       | 29.95 | 25.37 | 21.33 | 17.68 | 14.27 |
| HUD 5002Z04 MT | YM182E1G-100<br>YIM72E1G-100 | 17 | 43.85                                                       | 37.25 | 31.52 | 26.47 | 21.96 | 17.80 |
| HUD 5003Z03 MT | YM200E1G-100<br>YIM72E1G-100 | 19 | 46.37                                                       | 39.39 | 33.31 | 27.98 | 23.21 | 18.85 |
| HUD 5003Z03 MT | YM210E1G-100<br>YIM72E1G-100 | 20 | 47.88                                                       | 40.66 | 34.38 | 28.88 | 23.97 | 19.46 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R448A / R449A

| LBP            | Compressor/<br>Compresor      |    | Condenser/<br>Condensador        |                                          | Axial Fan Motor/<br>Ventilador con motor axial |                   |       |                             |                          |     | Noise/<br>Ruido  | Pipe Fittings/<br>Tuberías |           | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|-------------------------------|----|----------------------------------|------------------------------------------|------------------------------------------------|-------------------|-------|-----------------------------|--------------------------|-----|------------------|----------------------------|-----------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo                  | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie<br>m <sup>2</sup> | N°×Ø                                           | m <sup>3</sup> /h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |     | *Dist=10m<br>dBA | L<br>inch                  | S<br>inch | Kg                    | A     | L                                       |
|                |                               |    |                                  |                                          |                                                |                   |       |                             | W                        | A   |                  |                            |           |                       |       |                                         |
| HUD 5002Z02 LT | YF41E1G-Q100<br>YIF72E1G-Q100 | 13 | 31.79                            | 70.75                                    | 2×500                                          | 13263             | 4     | 230/1                       | 760                      | 3.5 | 60               | 5/8"                       | 15/8"     | 345                   | 28.90 | 15                                      |
| HUD 5002Z03 LT | YF72E1G-Q100<br>YIF72E1G-Q100 | 17 | 40.05                            | 106.12                                   | 2×500                                          | 12859             | 4     | 230/1                       | 760                      | 3.5 | 60               | 3/4"                       | 15/8"     | 355                   | 39.50 | 20                                      |
| HUD 5002Z04 LT | YF80E1G-Q100<br>YIF72E1G-Q100 | 19 | 45.35                            | 141.5                                    | 2×500                                          | 12547             | 4     | 230/1                       | 760                      | 3.5 | 62               | 3/4"                       | 15/8"     | 361                   | 42.40 | 20                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor      |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|-------------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo              | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                               |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUD 5002Z02 LT | YF41E1G-Q100<br>YIF72E1G-Q100 | 13 | 18.90                                                       | 15.75 | 13.01 | 10.64 | 8.64  | 6.63  |
| HUD 5002Z03 LT | YF72E1G-Q100<br>YIF72E1G-Q100 | 17 | 25.37                                                       | 21.15 | 17.47 | 14.30 | 11.59 | 8.89  |
| HUD 5002Z04 LT | YF80E1G-Q100<br>YIF72E1G-Q100 | 19 | 27.34                                                       | 22.77 | 18.77 | 15.33 | 12.40 | 9.46  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             |                          |      |                 | inch                       | inch   |                       |       |                                         |
| HUD 5002Z02 MT | H1002CC                  | 10 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 7/8"                       | 1 3/8" | 437                   | 26.50 | 15                                      |
| HUD 5002Z02 MT | H1003CC                  | 11 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 7/8"                       | 1 3/8" | 440                   | 26.50 | 15                                      |
| HUD 5002Z02 MT | H1201CC                  | 12 | 31.79                            | 71                     | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 448                   | 33.25 | 15                                      |
| HUD 5002Z03 MT | H1501CC                  | 15 | 40.05                            | 106                    | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 456                   | 37.50 | 20                                      |
| HUD 5003Z02 MT | H2001CC                  | 20 | 43.34                            | 85                     | 3×500                                          | 19482 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 598                   | 43.25 | 30                                      |
| HUD 5003Z03 MT | H2500CC                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 604                   | 53.25 | 35                                      |
| HUD 5003Z04 MT | H3000CC                  | 30 | 62.19                            | 170.09                 | 3×500                                          | 18188 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 615                   | 61.25 | 40                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
|                |                          |    |                                                             |       |       |       |       |       |
| HUD 5002Z02 MT | H1002CC                  | 10 | 30.71                                                       | 24.95 | 20.02 | 15.84 | 12.33 | 9.43  |
| HUD 5002Z02 MT | H1003CC                  | 11 | 35.64                                                       | 28.96 | 23.24 | 18.38 | 14.31 | 10.95 |
| HUD 5002Z02 MT | H1201CC                  | 12 | 36.72                                                       | 30.12 | 24.44 | 19.58 | 15.47 | 12.03 |
| HUD 5002Z03 MT | H1501CC                  | 15 | 40.46                                                       | 33.20 | 26.93 | 21.56 | 17.01 | 13.19 |
| HUD 5003Z02 MT | H2001CC                  | 20 | 48.03                                                       | 39.41 | 31.97 | 25.59 | 20.19 | 15.66 |
| HUD 5003Z03 MT | H2500CC                  | 25 | 61.49                                                       | 50.30 | 40.61 | 32.32 | 25.28 | 19.37 |
| HUD 5003Z04 MT | H3000CC                  | 30 | 69.24                                                       | 56.51 | 45.52 | 36.11 | 28.16 | 21.51 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUD 5002Z02 LT | H1001CS                  | 10 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 445                   | 27.5  | 15                                      |
| HUD 5002Z03 LT | H1501CS                  | 15 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 451                   | 26.5  | 20                                      |
| HUD 5002Z04 LT | H1601CS                  | 16 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 460                   | 37.5  | 20                                      |
| HUD 5003Z03 LT | H2000CS                  | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 599                   | 43.25 | 25                                      |
| HUD 5003Z03 LT | H2500CS                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 601                   | 50.25 | 30                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUD 5002Z02 LT | H1001CS                  | 10 | 21.97                                                       | 17.29 | 13.39 | 10.18 | 7.56  | 6.58  |
| HUD 5002Z03 LT | H1501CS                  | 15 | 25.54                                                       | 20.16 | 15.66 | 11.94 | 8.88  | 7.62  |
| HUD 5002Z04 LT | H1601CS                  | 16 | 29.12                                                       | 23.04 | 17.94 | 13.71 | 10.22 | 8.75  |
| HUD 5003Z03 LT | H2000CS                  | 20 | 32.66                                                       | 25.64 | 19.77 | 14.92 | 10.95 | 9.20  |
| HUD 5003Z03 LT | H2500CS                  | 25 | 36.61                                                       | 28.66 | 22.02 | 16.56 | 12.12 | 10.42 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP           | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             |                            |        |                       |       |                                         |
| HUD 5002Z02 MT | 4VES-10Y                 | 10 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 54              | 7/8                        | 1 1/8" | 440                   | 22.8  | 15                                      |
| HUD 5002Z02 MT | 4TES-12Y                 | 12 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 3/8" | 448                   | 28.6  | 15                                      |
| HUD 5002Z03 MT | 4PES-15Y                 | 15 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 55              | 1 1/8"                     | 1 5/8" | 456                   | 30.6  | 20                                      |
| HUD 5003Z02 MT | 4NES-20Y                 | 20 | 43.34                            | 85                     | 3×500                                          | 19482 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 1 5/8" | 598                   | 37.35 | 30                                      |
| HUD 5003Z03 MT | 4HE-25Y                  | 25 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 604                   | 47.6  | 35                                      |
| HUD 5003Z04 MT | 4GE-30Y                  | 30 | 62.19                            | 170.09                 | 3×500                                          | 18188 | 4     | 230/1                       | 1140                     | 5.25 | 53              | 1 1/8"                     | 2 1/8" | 615                   | 54.8  | 40                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP           | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | +5°C                                                        | 0°C   | -5°C  | -10°C | -15°C | -20°C |
| HUD 5002Z02 MT | 4VES-10Y                 | 10 | 28.41                                                       | 23.42 | 19.11 | 15.39 | 12.21 | 9.50  |
| HUD 5002Z02 MT | 4TES-12Y                 | 12 | 34.32                                                       | 28.37 | 23.22 | 18.78 | 14.98 | 11.75 |
| HUD 5002Z03 MT | 4PES-15Y                 | 15 | 39.34                                                       | 32.36 | 26.32 | 21.13 | 16.69 | 12.94 |
| HUD 5003Z02 MT | 4NES-20Y                 | 20 | 46.83                                                       | 38.71 | 31.68 | 25.64 | 20.47 | 16.08 |
| HUD 5003Z03 MT | 4HE-25Y                  | 25 | 60.73                                                       | 50.67 | 41.88 | 34.23 | 27.61 | 21.91 |
| HUD 5003Z04 MT | 4GE-30Y                  | 30 | 69.35                                                       | 57.94 | 47.98 | 39.31 | 31.81 | 25.35 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C



R448A / R449A

| LBP            | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|----------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                |                          |    |                                  |                        |                                                |       |       |                             | W                        | A    | dBa             | inch                       | inch   |                       |       |                                         |
| HUD 5002Z02 LT | 4PES-12Y                 | 12 | 31.79                            | 70.75                  | 2×500                                          | 13263 | 4     | 230/1                       | 760                      | 3.5  | 56              | 1 1/8"                     | 1 3/8" | 445                   | 26.5  | 15                                      |
| HUD 5002Z03 LT | 4NES-14Y                 | 14 | 40.05                            | 106.12                 | 2×500                                          | 12859 | 4     | 230/1                       | 760                      | 3.5  | 56              | 1 1/8"                     | 1 3/8" | 451                   | 30.1  | 15                                      |
| HUD 5002Z04 LT | 4HE-18Y                  | 18 | 45.35                            | 141.5                  | 2×500                                          | 12547 | 4     | 230/1                       | 760                      | 3.5  | 57              | 1 1/8"                     | 1 5/8" | 460                   | 39.6  | 25                                      |
| HUD 5003Z03 LT | 4GE-23Y                  | 20 | 55.19                            | 127.59                 | 3×500                                          | 18793 | 4     | 230/1                       | 1140                     | 5.25 | 52              | 1 1/8"                     | 2 1/8" | 599                   | 48.55 | 30                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP            | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |       |
|----------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|-------|
|                | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |       |
|                |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C | -35°C |
| HUD 5002Z02 LT | 4PES-12Y                 | 12 | 21.23                                                       | 16.79 | 13.02 | 9.86  | 7.22  | 5.07  |
| HUD 5002Z03 LT | 4NES-14Y                 | 14 | 25.52                                                       | 20.35 | 15.95 | 12.24 | 9.14  | 6.58  |
| HUD 5002Z04 LT | 4HE-18Y                  | 18 | 34.98                                                       | 28.34 | 22.62 | 17.72 | 13.57 | 10.07 |
| HUD 5003Z03 LT | 4GE-23Y                  | 20 | 40.59                                                       | 33.05 | 26.56 | 21.00 | 16.29 | 12.32 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUA-0 SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUA-0

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUA-0 range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUA-0 range are highly efficient with special profile aluminum fins and  $\varnothing 7$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**"Floating" system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUA-0 SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUA-0

La unidad condensadora HUA-0 está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUA-0 son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 7$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema "flotante" evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUA -0- 4001Z418 MT

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Tubes of condenser / Tubos de condensador
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan  $\varnothing$  (mm) / Ventilador  $\varnothing$  (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Tropical condenser coil in copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Hermetic scroll or reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Filter drier on liquid line.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Ziehl-Abegg, Maer or EBM axial fan motors and Weiguang shaded pole motors.

**Optional items:**

- ▶ Safety relief valve.
- ▶ Oil separator.
- ▶ Crankcase heater.
- ▶ Suction accumulator.
- ▶ Different voltage & gas.
- ▶ Safety relief valve.
- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Condensador tropicalizado.
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor Scroll o hermetico de pistones.
- ▶ Doble presostato con rearme automatico.
- ▶ Filtro deshidratador en línea de líquido.
- ▶ Visor de liquido.
- ▶ Recipiente de liquido.
- ▶ Ventilador axial Ziehl-Abegg, Maer o EBM y ventilador Weiguang de polo sombreado.

**Accesorios opcionales:**

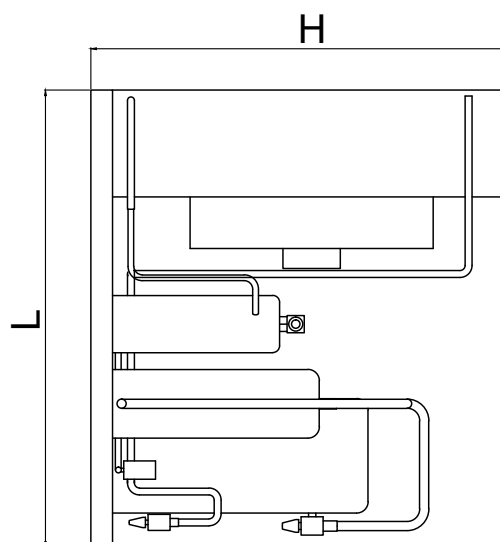
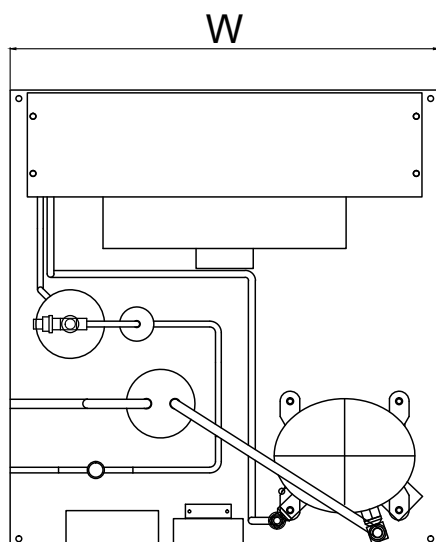
- ▶ Valvula de seguridad homologada.
- ▶ Separador de aceite.
- ▶ Resistencia de carter.
- ▶ Acumulador de succión.
- ▶ Diferente voltaje & gas.
- ▶ Válvula de seguridad homologada.
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie        | Dimensions / dimensiones(mm) |      |     |
|-----------------------|------------------------------|------|-----|
|                       | L                            | W    | H   |
| HUA-O-2501            | 650                          | 440  | 305 |
| HUA-O-3001            | 740                          | 550  | 395 |
| HUA-O-3501            | 800                          | 660  | 445 |
| HUA-O-4001 (18 tubes) | 850                          | 770  | 495 |
| HUA-O-4001 (22 tubes) | 850                          | 770  | 595 |
| HUA-O-3502            | 1175                         | 640  | 585 |
| HUA-O-4002 (24 tubes) | 1165                         | 670  | 685 |
| HUA-O-4002 (26 tubes) | 1365                         | 670  | 730 |
| HUA-O-4502            | 1365                         | 720  | 890 |
| HUA-O-5002            | 1825                         | 800  | 890 |
| HUA-O-6302A           | 1825                         | 800  | 988 |
| HUA-O-6302B           | 2020                         | 1000 | 988 |

R404A / R507A



| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUA-O-3001Z412 MS | SC10MLX                  | 1/2   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.22 | 1                                       |
| HUA-O-3001Z414 MS | SC12MLX                  | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 31                    | 4.72 | 1                                       |
| HUA-O-3501Z416 MS | SC15MLX                  | 3/4   | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 5.74 | 1                                       |
| HUA-O-3501Z416 MS | SC18MLX                  | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 5.49 | 2                                       |
| HUA-O-3501Z416 MS | SC18MLX.3                | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 5.19 | 2                                       |
| HUA-O-3501Z416 MS | GS26MLX                  | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 48              | 3/8"                       | 5/8" | 41                    | 8.48 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA-O-3001Z412 MS | SC10MLX                  | 1/2   | 1.32                                                        | 1.10 | 0.91 | 0.74  | 0.59  |
| HUA-O-3001Z414 MS | SC12MLX                  | 3/4   | 1.59                                                        | 1.33 | 1.10 | 0.90  | 0.72  |
| HUA-O-3501Z416 MS | SC15MLX                  | 3/4   | 1.99                                                        | 1.66 | 1.37 | 1.12  | 0.90  |
| HUA-O-3501Z416 MS | SC18MLX                  | 1     | 2.31                                                        | 1.93 | 1.59 | 1.30  | 1.05  |
| HUA-O-3501Z416 MS | SC18MLX.3                | 1     | 2.40                                                        | 2.00 | 1.66 | 1.36  | 1.11  |
| HUA-O-3501Z416 MS | GS26MLX                  | 1 1/2 | 3.28                                                        | 2.8  | 2.3  | 1.9   | 1.5   |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA-O-3001Z412 LS | SC10CLX                  | 1/2 | 2.86                             | 5.44                   | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 2.71 | 1                                       |
| HUA-O-3001Z414 LS | SC12CLX.2                | 1/2 | 3.49                             | 7.26                   | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 32                    | 3.67 | 1                                       |
| HUA-O-3501Z416 LS | SC15CLX.2                | 3/4 | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 4.43 | 1                                       |
| HUA-O-3501Z416 LS | SC18CLX.2                | 3/4 | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 4.87 | 1                                       |
| HUA-O-3501Z416 LS | SC21CL                   | 1   | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 4.60 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-3001Z412 LS | SC10CLX                  | 1/2 | 0.68                                                        | 0.54  | 0.41  | 0.30  | 0.21  |
| HUA-O-3001Z414 LS | SC12CLX.2                | 1/2 | 0.90                                                        | 0.73  | 0.58  | 0.45  | 0.34  |
| HUA-O-3501Z416 LS | SC15CLX.2                | 3/4 | 1.09                                                        | 0.89  | 0.70  | 0.55  | 0.41  |
| HUA-O-3501Z416 LS | SC18CLX.2                | 3/4 | 1.27                                                        | 1.03  | 0.82  | 0.64  | 0.48  |
| HUA-O-3501Z416 LS | SC21CL                   | 1   | 1.39                                                        | 1.12  | 0.88  | 0.68  | 0.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA-O-250I2410 MS | NEU6212GK                | 1/2   | 1.54                             | 3.8                    | 1×250                                          | 526  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 24                    | 3.07 | 1                                       |
| HUA-O-300I2412 MS | NEU6215GK                | 3/4   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 29                    | 4.25 | 1                                       |
| HUA-O-300I2414 MS | NEU6220GK                | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 5.06 | 1                                       |
| HUA-O-300I2414 MS | NT6222GK                 | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 1/2" | 36                    | 5.30 | 2                                       |
| HUA-O-350I2416 MS | NT6226GK                 | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 42              | 1/4"                       | 1/2" | 44                    | 6.84 | 2                                       |
| HUA-O-350I2416 MS | NJ9232GK                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.88 | 2                                       |
| HUA-O-350I2416 MS | NJ9238GK                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 8.90 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA-O-250IZ410 MS | NEU6212GK                | 1/2   | 1.21                                                        | 1.02 | 0.84 | 0.69  | 0.56  |
| HUA-O-300IZ412 MS | NEU6215GK                | 3/4   | 1.66                                                        | 1.40 | 1.17 | 0.97  | 0.79  |
| HUA-O-300IZ414 MS | NEU6220GK                | 3/4   | 1.94                                                        | 1.64 | 1.37 | 1.13  | 0.92  |
| HUA-O-300IZ414 MS | NT6222GK                 | 1     | 2.13                                                        | 1.78 | 1.46 | 1.19  | 0.96  |
| HUA-O-350IZ416 MS | NT6226GK                 | 1     | 2.83                                                        | 2.36 | 1.95 | 1.59  | 1.27  |
| HUA-O-350IZ416 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.62 | 2.11 | 1.66  | 1.27  |
| HUA-O-350IZ416 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.20 | 2.65 | 2.15  | 1.72  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP               | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA-O-2501Z211 LS | EHU2150GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.02 | 1                                       |
| HUA-O-2501Z211 LS | EHU2160GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.23 | 1                                       |
| HUA-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 25                    | 4.35 | 1                                       |
| HUA-O-2501Z310 LS | NEU2178GKA               | 1     | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 26                    | 4.48 | 2                                       |
| HUA-O-3001Z414 LS | NEX2183GKA               | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.39 | 2                                       |
| HUA-O-3501Z416 LS | NJ2192GJ                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.34 | 2                                       |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 7.73 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-2501Z211 LS | EHU2150GK                | 3/4   | 0.87                                                        | 0.71  | 0.57  | 0.45  | 0.35  |
| HUA-O-2501Z211 LS | EHU2160GK                | 3/4   | 0.98                                                        | 0.80  | 0.64  | 0.51  | 0.40  |
| HUA-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.05                                                        | 0.85  | 0.68  | 0.53  | 0.40  |
| HUA-O-2501Z310 LS | NEU2178GKA               | 1     | 1.23                                                        | 1.02  | 0.82  | 0.65  | 0.50  |
| HUA-O-3001Z414 LS | NEX2183GKA               | 1     | 1.31                                                        | 1.07  | 0.86  | 0.68  | 0.52  |
| HUA-O-3501Z416 LS | NJ2192GJ                 | 1 1/4 | 1.76                                                        | 1.43  | 1.13  | 0.87  | 0.65  |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 2.24                                                        | 1.84  | 1.47  | 1.14  | 0.85  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP              | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUA-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 5.59                             | 10.36                  | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 48              | 3/8"                       | 3/4"   | 54                    | 4.08  | 2                                       |
| HUA-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 56                    | 5.63  | 4                                       |
| HUA-O-4001Z518 MT | ZB19KQE-TFD              | 2.5 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 59                    | 7.23  | 4                                       |
| HUA-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 60                    | 7.88  | 4                                       |
| HUA-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 48              | 1/2"                       | 3/4"   | 86                    | 10.01 | 4                                       |
| HUA-O-4002Z424 MT | ZB29KQE-TFD              | 4   | 18.12                            | 34.5                   | 2×400                                          | 6368  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 105                   | 11.46 | 6                                       |
| HUA-O-4002Z426 MT | ZB38KQE-TFD              | 5   | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 109                   | 14.26 | 6                                       |
| HUA-O-4502Z432 MT | ZB45KQE-TFD              | 6   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 1/2"                       | 7/8"   | 125                   | 16.20 | 8                                       |
| HUA-O-4502Z432 MT | ZB48KQE-TFD              | 7   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 3/4"                       | 7/8"   | 125                   | 17.10 | 8                                       |
| HUA-O-5002Z432 MT | ZB58KQE-TFD              | 8   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 1/8" | 179                   | 19.08 | 10                                      |
| HUA-O-5002Z432 MT | ZB66KQE-TFD              | 9   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 3/8" | 179                   | 20.68 | 10                                      |
| HUA-O-6302Z436 MT | ZB76KQE-TFD              | 10  | 66.97                            | 93.1                   | 2×630                                          | 29761 | 4     | 3~400                       | 960                      | 1.86 | 60              | 7/8"                       | 1 3/8" | 220                   | 22.26 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|--------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                    | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                    |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA-O-3501Z416 MT  | ZB11KNE-TFD              | 1.5 | 2.73                                                        | 2.28  | 1.88  | 1.54  |
| HUA-O-4001Z418 MT  | ZB15KQE-TFD              | 2   | 3.60                                                        | 2.95  | 2.37  | 1.84  |
| HUA-O-4001Z518 MT  | ZB19KQE-TFD              | 2.5 | 4.58                                                        | 3.81  | 3.14  | 2.56  |
| HUA-O-4001Z518 MT  | ZB21KQE-TFD              | 3   | 5.50                                                        | 4.58  | 3.77  | 3.08  |
| HUA-O-3502Z420 MT  | ZB26KQE-TFD              | 3.5 | 6.43                                                        | 5.35  | 4.41  | 3.60  |
| HUA-O-4002Z424A MT | ZB29KQE-TFD              | 4   | 7.46                                                        | 6.21  | 5.12  | 4.17  |
| HUA-O-4002Z426B MT | ZB38KQE-TFD              | 5   | 9.42                                                        | 7.83  | 6.46  | 5.26  |
| HUA-O-4502Z432 MT  | ZB45KQE-TFD              | 6   | 11.05                                                       | 9.17  | 7.56  | 6.17  |
| HUA-O-4502Z432 MT  | ZB48KQE-TFD              | 7   | 12.15                                                       | 10.10 | 8.23  | 6.78  |
| HUA-O-5002Z432 MT  | ZB58KQE-TFD              | 8   | 14.70                                                       | 12.10 | 9.68  | 7.41  |
| HUA-O-5002Z432 MT  | ZB66KQE-TFD              | 9   | 16.45                                                       | 13.70 | 11.30 | 9.16  |
| HUA-O-6302Z436 MT  | ZB76KQE-TFD              | 10  | 19.60                                                       | 16.25 | 13.30 | 10.65 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°xØ                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUA-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 7.02                             | 14.0                   | 1x400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.22  | 4                                       |
| HUA-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 7.02                             | 14.0                   | 1x400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.62  | 4                                       |
| HUA-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 7.02                             | 14.0                   | 1x400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 7.43  | 4                                       |
| HUA-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 7.02                             | 14.0                   | 1x400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 8.23  | 4                                       |
| HUA-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 10.65                            | 25.7                   | 1x400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 9.93  | 6                                       |
| HUA-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 13.02                            | 28.7                   | 2x350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 12.57 | 6                                       |
| HUA-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 13.02                            | 28.7                   | 2x350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 14.86 | 8                                       |
| HUA-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 18.12                            | 34.5                   | 2x400                                          | 6368 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 110                   | 16.06 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|--------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                    | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                    |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-4001Z418 LT  | ZSI06KQE-TFP             | 2   | 3.18                                                        | 2.60  | 2.11  | 1.69  | 1.33  |
| HUA-O-4001Z418 LT  | ZSI08KQE-TFP             | 2.5 | 3.85                                                        | 3.17  | 2.59  | 2.11  | 1.71  |
| HUA-O-4001Z418 LT  | ZSI09KQE-TFP             | 3   | 4.29                                                        | 3.55  | 2.90  | 2.32  | 1.80  |
| HUA-O-4001Z418 LT  | ZSI11KQE-TFP             | 3.5 | 5.54                                                        | 4.61  | 3.82  | 3.10  | 2.42  |
| HUA-O-4001Z622 LT  | ZSI14KQE-TFP             | 4.5 | 7.02                                                        | 5.79  | 4.73  | 3.83  | 3.07  |
| HUA-O-3502Z420 LT  | ZSI15KQE-TFP             | 5   | 7.93                                                        | 6.64  | 5.52  | 4.51  | 3.54  |
| HUA-O-3502Z420 LT  | ZSI18KQE-TFP             | 6   | 9.63                                                        | 8.01  | 6.62  | 5.41  | 4.38  |
| HUA-O-4002Z424A LT | ZSI21KQE-TFP             | 7   | 10.78                                                       | 8.97  | 7.39  | 6.05  | 4.91  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |       |                                         |
| HUA-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 5.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 6.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 6.73  | 4                                       |
| HUA-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 8.73  | 6                                       |
| HUA-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 11.16 | 6                                       |
| HUA-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 13.66 | 8                                       |
| HUA-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 21.00                            | 44.8                   | 2×400                                          | 6963 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 109                   | 15.16 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 3.09                                                        | 2.52  | 2.04  | 1.64  | 1.3   |
| HUA-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 3.79                                                        | 3.09  | 2.51  | 2.01  | 1.6   |
| HUA-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 4.19                                                        | 3.42  | 2.77  | 2.23  | 1.78  |
| HUA-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 5.21                                                        | 4.25  | 3.45  | 2.78  | 2.23  |
| HUA-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 6.44                                                        | 5.35  | 4.42  | 3.62  | 2.95  |
| HUA-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 7.86                                                        | 6.53  | 5.4   | 4.44  | 3.63  |
| HUA-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 9.4                                                         | 7.83  | 6.5   | 5.37  | 4.41  |
| HUA-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 11.8                                                        | 9.96  | 8.28  | 6.79  | 5.5   |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |       |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUA-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 49              | 3/8"                       | 5/8" | 55                    | 15.98 | 2                                       |
| HUA-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 46              | 3/8"                       | 5/8" | 55                    | 5.38  | 2                                       |
| HUA-O-4001Z418 MS | FH4524Z-XC3A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 18.83 | 4                                       |
| HUA-O-4001Z418 MT | FH4524Z-XG1A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 7.03  | 4                                       |
| HUA-O-4001Z518 MT | FH4532Z-XG1A             | 2 3/4 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 56              | 1/2"                       | 7/8" | 68                    | 8.93  | 4                                       |
| HUA-O-3502Z420 MT | FH4538Z-XG1A             | 3.5   | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 59              | 1/2"                       | 7/8" | 93                    | 10.36 | 4                                       |
| HUA-O-3502Z420 MT | TAG4546Z                 | 4     | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 63              | 1/2"                       | 7/8" | 93                    | 12.56 | 6                                       |
| HUA-O-4002Z426 MT | TAG4561Z                 | 5     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 113                   | 15.46 | 6                                       |
| HUA-O-4002Z426 MT | TAG4568Z                 | 6     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 115                   | 16.66 | 8                                       |
| HUA-O-4502Z432 MT | TAG4573Z                 | 7     | 31.24                            | 73.6                   | 2×500                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 63              | 1/2"                       | 7/8" | 132                   | 21.10 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUA-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 3.91                                                        | 3.13  | 2.48 | 1.93  | 1.46  |
| HUA-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 3.81                                                        | 3.07  | 2.44 | 1.91  | 1.45  |
| HUA-O-4001Z418 MS | FH4524Z                  | 2     | 5.22                                                        | 4.25  | 3.40 | 2.64  | 1.96  |
| HUA-O-4001Z418 MT | TFH4524Z                 | 2     | 4.70                                                        | 3.70  | 2.86 | 2.13  | 1.52  |
| HUA-O-4001Z518 MT | TFH4531Z                 | 2 3/4 | 5.95                                                        | 4.72  | 3.68 | 2.80  | 2.04  |
| HUA-O-3502Z420 MT | TFH4540Z                 | 3.5   | 7.58                                                        | 6.06  | 4.77 | 3.68  | 2.73  |
| HUA-O-3502Z420 MT | TAG4546Z                 | 4     | 8.86                                                        | 6.81  | 5.13 | 3.75  | 2.63  |
| HUA-O-4002Z426 MT | TAG4561Z                 | 5     | 11.03                                                       | 8.62  | 6.62 | 4.95  | 3.56  |
| HUA-O-4002Z426 MT | TAG4568Z                 | 6     | 12.95                                                       | 10.21 | 7.92 | 6.00  | 4.40  |
| HUA-O-4502Z432 MT | TAG4573Z                 | 7     | 13.80                                                       | 10.88 | 8.47 | 6.46  | 4.80  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

Tecumseh

| LBP               | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |   |
|-------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|---|
|                   | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S |
|                   |                          |    |                                  |                        |                                                |      |       |                             | W                        | A               | dBA                        | inch | inch                  | Kg   | A                                       | L |
| HUA-O-3501Z416 LS | FH2480Z-XC3A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58            | 54                         | 1/2" | 5/8"                  | 65   | 16.58                                   | 4 |
| HUA-O-3501Z416 LT | FH2480Z-XG1A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58            | 52                         | 1/2" | 5/8"                  | 65   | 5.38                                    | 4 |
| HUA-O-4001Z418 LT | FH2511Z-XG1A             | 3  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73            | 58                         | 1/2" | 5/8"                  | 71   | 5.73                                    | 4 |
| HUA-O-4001Z418 LT | TAG2516Z                 | 4  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73            | 55                         | 5/8" | 7/8"                  | 75   | 10.54                                   | 6 |
| HUA-O-3502Z420 LT | TAG2522Z                 | 6  | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16            | 57                         | 5/8" | 1-1/8"                | 84   | 13.66                                   | 8 |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-3501Z416 LS | FH2480Z                  | 2  | 2.82                                                        | 2.17  | 1.63  | 1.18  | 0.79  |
| HUA-O-3501Z416 LT | TFH2480Z                 | 2  | 2.70                                                        | 2.11  | 1.61  | 1.18  | 0.81  |
| HUA-O-4001Z418 LT | TFH2511Z                 | 3  | 3.90                                                        | 2.97  | 2.20  | 1.59  | 1.09  |
| HUA-O-4001Z418 LT | TAG2516Z                 | 4  | 5.67                                                        | 4.32  | 3.21  | 2.30  | 1.59  |
| HUA-O-3502Z420 LT | TAG2522Z                 | 6  | 6.98                                                        | 5.29  | 3.92  | 2.83  | 1.95  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA-O-250IZ410 MS | NEU6212GK                | 1/2   | 1.54                             | 3.8                    | 1×250                                          | 526  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 24                    | 3.07 | 1                                       |
| HUA-O-300IZ412 MS | NEU6215GK                | 3/4   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 29                    | 4.25 | 1                                       |
| HUA-O-300IZ414 MS | NEU6220GK                | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 5.06 | 1                                       |
| HUA-O-300IZ414 MS | NT6222GK                 | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 1/2" | 36                    | 5.30 | 2                                       |
| HUA-O-350IZ416 MS | NT6226GK                 | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 42              | 1/4"                       | 1/2" | 44                    | 6.84 | 2                                       |
| HUA-O-350IZ416 MS | NJ9232GK                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.88 | 2                                       |
| HUA-O-350IZ416 MS | NJ9238GK                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 8.90 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUA-O-250IZ410 MS | NEU6212GK                | 1/2   | 1.15                                                        | 0.97 | 0.80 | 0.66  | 0.53  |
| HUA-O-300IZ412 MS | NEU6215GK                | 3/4   | 1.58                                                        | 1.33 | 1.11 | 0.92  | 0.75  |
| HUA-O-300IZ414 MS | NEU6220GK                | 3/4   | 1.85                                                        | 1.56 | 1.30 | 1.07  | 0.87  |
| HUA-O-300IZ414 MS | NT6222GK                 | 1     | 2.02                                                        | 1.69 | 1.39 | 1.13  | 0.91  |
| HUA-O-350IZ416 MS | NT6226GK                 | 1     | 2.69                                                        | 2.25 | 1.85 | 1.51  | 1.21  |
| HUA-O-350IZ416 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.49 | 2.01 | 1.58  | 1.20  |
| HUA-O-350IZ416 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.04 | 2.52 | 2.05  | 1.63  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP               | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUA-O-2501Z211 LS | EHU2150GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.02 | 1                                       |
| HUA-O-2501Z211 LS | EHU2160GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.23 | 1                                       |
| HUA-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 25                    | 4.35 | 1                                       |
| HUA-O-2501Z310 LS | NEU2178GKA               | 1     | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 26                    | 4.48 | 2                                       |
| HUA-O-3001Z414 LS | NEX2183GKA               | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.39 | 2                                       |
| HUA-O-3501Z416 LS | NJ2192GJ                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.34 | 2                                       |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 7.73 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-2501Z211 LS | EHU2150GK                | 3/4   | 0.77                                                        | 0.63  | 0.50  | 0.40  | 0.31  |
| HUA-O-2501Z211 LS | EHU2160GK                | 3/4   | 0.86                                                        | 0.70  | 0.56  | 0.45  | 0.35  |
| HUA-O-2501Z310 LS | NEU2168GKA               | 3/4   | 0.92                                                        | 0.75  | 0.60  | 0.47  | 0.35  |
| HUA-O-2501Z310 LS | NEU2178GKA               | 1     | 1.08                                                        | 0.89  | 0.72  | 0.57  | 0.44  |
| HUA-O-3001Z414 LS | NEX2183GKA               | 1     | 1.15                                                        | 0.94  | 0.76  | 0.60  | 0.46  |
| HUA-O-3501Z416 LS | NJ2192GJ                 | 1 1/4 | 1.55                                                        | 1.25  | 0.99  | 0.76  | 0.57  |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 1.97                                                        | 1.62  | 1.29  | 1.00  | 0.74  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

| HMBP              | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   | Kg                    | A     | L                                       |
| HUA-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 5.59                             | 10.36                  | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 48              | 3/8"                       | 3/4"   | 54                    | 4.08  | 2                                       |
| HUA-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 56                    | 5.63  | 4                                       |
| HUA-O-4001Z518 MT | ZB19KQE-TFD              | 2.5 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 59                    | 7.23  | 4                                       |
| HUA-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 60                    | 7.88  | 4                                       |
| HUA-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 48              | 1/2"                       | 3/4"   | 86                    | 10.01 | 4                                       |
| HUA-O-4002Z424 MT | ZB29KQE-TFD              | 4   | 18.12                            | 34.5                   | 2×400                                          | 6368  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 105                   | 11.46 | 6                                       |
| HUA-O-4002Z426 MT | ZB38KQE-TFD              | 5   | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 109                   | 14.26 | 6                                       |
| HUA-O-4502Z432 MT | ZB45KQE-TFD              | 6   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 1/2"                       | 7/8"   | 125                   | 16.20 | 8                                       |
| HUA-O-4502Z432 MT | ZB48KQE-TFD              | 7   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 3/4"                       | 7/8"   | 125                   | 17.10 | 8                                       |
| HUA-O-5002Z432 MT | ZB58KQE-TFD              | 8   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 1/8" | 179                   | 19.08 | 10                                      |
| HUA-O-5002Z432 MT | ZB66KQE-TFD              | 9   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 3/8" | 179                   | 20.68 | 10                                      |
| HUA-O-6302Z436 MT | ZB76KQE-TFD              | 10  | 66.97                            | 93.1                   | 2×630                                          | 29761 | 4     | 3~400                       | 960                      | 1.86 | 60              | 7/8"                       | 1 3/8" | 220                   | 22.26 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|--------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                    | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                    |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUA-O-3501Z416 MT  | ZB11KNE-TFD              | 1.5 | 2.63                                                        | 2.18  | 1.79  | 1.45  |
| HUA-O-4001Z418 MT  | ZB15KQE-TFD              | 2   | 3.21                                                        | 2.56  | 2.00  | 1.49  |
| HUA-O-4001Z518 MT  | ZB19KQE-TFD              | 2.5 | 4.09                                                        | 3.33  | 2.67  | 2.13  |
| HUA-O-4001Z518 MT  | ZB21KQE-TFD              | 3   | 4.92                                                        | 3.99  | 3.21  | 2.54  |
| HUA-O-3502Z420 MT  | ZB26KQE-TFD              | 3.5 | 5.75                                                        | 4.67  | 3.75  | 2.97  |
| HUA-O-4002Z424A MT | ZB29KQE-TFD              | 4   | 7.44                                                        | 6.07  | 4.91  | 3.91  |
| HUA-O-4002Z426B MT | ZB38KQE-TFD              | 5   | 8.42                                                        | 6.83  | 5.49  | 4.35  |
| HUA-O-4502Z432 MT  | ZB45KQE-TFD              | 6   | 9.83                                                        | 8.00  | 6.42  | 5.10  |
| HUA-O-4502Z432 MT  | ZB48KQE-TFD              | 7   | 10.83                                                       | 8.80  | 7.06  | 5.60  |
| HUA-O-5002Z432 MT  | ZB58KQE-TFD              | 8   | 13.12                                                       | 10.55 | 8.22  | 6.07  |
| HUA-O-5002Z432 MT  | ZB66KQE-TFD              | 9   | 15.63                                                       | 13.02 | 10.74 | 8.70  |
| HUA-O-6302Z436 MT  | ZB76KQE-TFD              | 10  | 17.51                                                       | 14.22 | 11.31 | 8.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A



| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUA-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.22  | 4                                       |
| HUA-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.62  | 4                                       |
| HUA-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 7.43  | 4                                       |
| HUA-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 8.23  | 4                                       |
| HUA-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 9.93  | 6                                       |
| HUA-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 12.57 | 6                                       |
| HUA-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 14.86 | 8                                       |
| HUA-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 18.12                            | 34.5                   | 2×400                                          | 6368 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 110                   | 16.06 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP                | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|--------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                    | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                    |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-4001Z418 LT  | ZSI06KQE-TFP             | 2   | 2.79                                                        | 2.22  | 1.75  | 1.36  | 1.03  |
| HUA-O-4001Z418 LT  | ZSI08KQE-TFP             | 2.5 | 3.39                                                        | 2.72  | 2.17  | 1.71  | 1.35  |
| HUA-O-4001Z418 LT  | ZSI09KQE-TFP             | 3   | 3.75                                                        | 3.03  | 2.41  | 1.87  | 1.40  |
| HUA-O-4001Z418 LT  | ZSI11KQE-TFP             | 3.5 | 4.86                                                        | 3.94  | 3.18  | 2.52  | 1.92  |
| HUA-O-4001Z622 LT  | ZSI14KQE-TFP             | 4.5 | 6.18                                                        | 4.96  | 3.95  | 3.11  | 2.42  |
| HUA-O-3502Z420 LT  | ZSI15KQE-TFP             | 5   | 6.98                                                        | 5.70  | 4.62  | 3.67  | 2.80  |
| HUA-O-3502Z420 LT  | ZSI18KQE-TFP             | 6   | 8.48                                                        | 6.88  | 5.54  | 4.42  | 3.47  |
| HUA-O-4002Z424A LT | ZSI21KQE-TFP             | 7   | 9.50                                                        | 7.70  | 6.19  | 4.93  | 3.89  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUA-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 5.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 6.73  | 4                                       |
| HUA-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 6.73  | 4                                       |
| HUA-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 8.73  | 6                                       |
| HUA-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 11.16 | 6                                       |
| HUA-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 13.66 | 8                                       |
| HUA-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 21.00                            | 44.8                   | 2×400                                          | 6963 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 109                   | 15.16 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 3.27                                                        | 2.69  | 2.19  | 1.76  | 1.41  |
| HUA-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 4.04                                                        | 3.33  | 2.72  | 2.19  | 1.75  |
| HUA-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 4.46                                                        | 3.67  | 3.00  | 2.43  | 1.94  |
| HUA-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 5.53                                                        | 4.56  | 3.73  | 3.02  | 2.43  |
| HUA-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 6.56                                                        | 5.30  | 4.29  | 3.46  | 2.76  |
| HUA-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 8.01                                                        | 6.47  | 5.24  | 4.24  | 3.41  |
| HUA-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 9.59                                                        | 7.76  | 6.30  | 5.13  | 4.13  |
| HUA-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 12.05                                                       | 9.90  | 8.06  | 6.48  | 5.14  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

Tecumseh

| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |       |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUA-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 49              | 3/8"                       | 5/8" | 55                    | 15.98 | 2                                       |
| HUA-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 46              | 3/8"                       | 5/8" | 55                    | 5.38  | 2                                       |
| HUA-O-4001Z418 MS | FH4524Z-XC3A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 18.83 | 4                                       |
| HUA-O-4001Z418 MT | FH4524Z-XG1A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 7.03  | 4                                       |
| HUA-O-4001Z518 MT | FH4532Z-XG1A             | 2 3/4 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 56              | 1/2"                       | 7/8" | 68                    | 8.93  | 4                                       |
| HUA-O-3502Z420 MT | FH4538Z-XG1A             | 3.5   | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 59              | 1/2"                       | 7/8" | 93                    | 10.36 | 4                                       |
| HUA-O-3502Z420 MT | TAG4546Z                 | 4     | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 63              | 1/2"                       | 7/8" | 93                    | 12.56 | 6                                       |
| HUA-O-4002Z426 MT | TAG4561Z                 | 5     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 113                   | 15.46 | 6                                       |
| HUA-O-4002Z426 MT | TAG4568Z                 | 6     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 115                   | 16.66 | 8                                       |
| HUA-O-4502Z432 MT | TAG4573Z                 | 7     | 31.24                            | 73.6                   | 2×500                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 63              | 1/2"                       | 7/8" | 132                   | 21.10 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUA-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 4.07                                                        | 3.27  | 2.60 | 2.02  | 1.53  |
| HUA-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 3.97                                                        | 3.21  | 2.56 | 2.01  | 1.53  |
| HUA-O-4001Z418 MS | FH4524Z                  | 2     | 4.87                                                        | 3.84  | 2.97 | 2.24  | 1.61  |
| HUA-O-4001Z418 MT | TFH4524Z                 | 2     | 4.89                                                        | 3.87  | 2.99 | 2.24  | 1.60  |
| HUA-O-4001Z518 MT | TFH4531Z                 | 2 3/4 | 6.19                                                        | 4.93  | 3.85 | 2.93  | 2.15  |
| HUA-O-3502Z420 MT | TFH4540Z                 | 3.5   | 7.89                                                        | 6.33  | 5.00 | 3.86  | 2.88  |
| HUA-O-3502Z420 MT | TAG4546Z                 | 4     | 9.23                                                        | 7.11  | 5.37 | 3.94  | 2.77  |
| HUA-O-4002Z426 MT | TAG4561Z                 | 5     | 11.49                                                       | 9.00  | 6.93 | 5.20  | 3.74  |
| HUA-O-4002Z426 MT | TAG4568Z                 | 6     | 13.49                                                       | 10.66 | 8.29 | 6.30  | 4.63  |
| HUA-O-4502Z432 MT | TAG4573Z                 | 7     | 14.37                                                       | 11.36 | 8.86 | 6.78  | 5.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

| LBP               | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUA-O-3501Z416 LS | FH2480Z-XC3A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 54              | 1/2"                       | 5/8"   | 65                    | 16.58 | 4                                       |
| HUA-O-3501Z416 LT | FH2480Z-XG1A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 52              | 1/2"                       | 5/8"   | 65                    | 5.38  | 4                                       |
| HUA-O-4001Z418 LT | FH2511Z-XG1A             | 3  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 58              | 1/2"                       | 5/8"   | 71                    | 5.73  | 4                                       |
| HUA-O-4001Z418 LT | TAG2516Z                 | 4  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 5/8"                       | 7/8"   | 75                    | 10.54 | 6                                       |
| HUA-O-3502Z420 LT | TAG2522Z                 | 6  | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 5/8"                       | 1-1/8" | 84                    | 13.66 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUA-O-3501Z416 LS | FH2480Z                  | 2  | 2.96                                                        | 2.29  | 1.72  | 1.25  | 0.84  |
| HUA-O-3501Z416 LT | TFH2480Z                 | 2  | 2.84                                                        | 2.22  | 1.69  | 1.25  | 0.87  |
| HUA-O-4001Z418 LT | TFH2511Z                 | 3  | 4.09                                                        | 3.12  | 2.33  | 1.68  | 1.16  |
| HUA-O-4001Z418 LT | TAG2516Z                 | 4  | 5.95                                                        | 4.55  | 3.39  | 2.44  | 1.69  |
| HUA-O-3502Z420 LT | TAG2522Z                 | 6  | 7.33                                                        | 5.57  | 4.14  | 3.00  | 2.08  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUP-0 SERIES CONDENSING UNITS

UNIDADES CONDENSADORAS SERIE HUP-0

## CONDENSING UNITS UNIDADES CONDENSADORAS

The condensing unit HUP-0 range is designed for commercial refrigeration at medium and low temperatures. All condensing units are complied with directives 97/23/EC Pressure Equipment (P.E.D).

The exchange coils used in the HUP-0 range are highly efficient with special profile aluminum fins and  $\varnothing 7$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

**"Floating" system avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.**

**Blue Fin coating helps protect the parts from corrosion.**

## HUP-0 SERIES CONDENSING UNITS UNIDADES CONDENSADORAS SERIE HUP-0

La unidad condensadora HUP-0 está diseñada para la refrigeración comercial a media y baja temperatura. Todas las unidades condensadoras cumplen con las directivas 97/23/EC Equipo de presión (P.E.D).

Los serpentines de intercambio utilizados en la gama HUP-0 son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 7$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

**El sistema "flotante" evita cualquier tipo de contacto entre los tubos de cobre y las placas de soporte, garantizando una larga vida útil del condensador sin fugas.**

**El revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.**

# HUP -0- 4001Z418 MT

- T: Three phase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temperature, L: Low temp. /  
M: Media y alta temperatura, L: Baja temp.
- Tubes of condenser / Tubos de condensador
- Rows of condenser / Filas de condensador
- Refrigerant: Freon/ Refrigerante: Freon
- Fan number / Número de ventiladores
- Fan  $\varnothing$  (mm) / Ventilador  $\varnothing$  (mm)
- Series / Serie

## ACCESSORIES / ACCESORIOS

**Accessories:**

- ▶ Powder coated Zinc plate highly anti-corrosion strength.
- ▶ Condenser coil in copper tube and aluminium fins.
- ▶ Sound insulation.
- ▶ Hermetic scroll or reciprocating compressor.
- ▶ Dural pressure switch with automatic reset.
- ▶ Filter drier on liquid line.
- ▶ Sight glass with moisture indicator.
- ▶ Liquid receiver.
- ▶ Ziehl-Abegg, Maer or EBM axial fan motors and Weiguang shaded pole motors.

**Optional items:**

- ▶ Safety relief valve.
- ▶ Oil separator.
- ▶ Crankcase heater.
- ▶ Suction accumulator.
- ▶ Different voltage & gas.
- ▶ Safety relief valve.
- ▶ Oil level controller.
- ▶ EC fan.

For performance at work points other than those in this catalogue, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

**Accesorios:**

- ▶ Paquete de aletas con tratamiento anti corrosión.
- ▶ Serpentín del condensador en tubo de cobre y aletas de aluminio.
- ▶ Unidad condensadora insonorizada.
- ▶ Compresor Scroll o hermetico de pistones.
- ▶ Doble presostato con rearme automatico.
- ▶ Filtro deshidratador en línea de líquido.
- ▶ Visor de líquido.
- ▶ Recipiente de líquido.
- ▶ Ventilador axial Ziehl-Abegg, Maer o EBM y ventilador Weiguang de polo sombreado.

**Accesorios opcionales:**

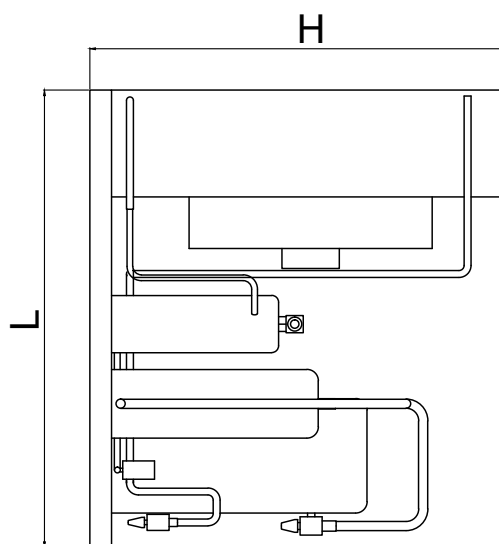
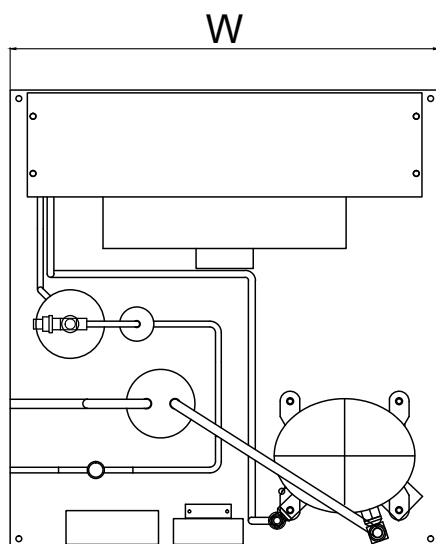
- ▶ Valvula de seguridad homologada.
- ▶ Separador de aceite.
- ▶ Resistencia de carter.
- ▶ Acumulador de succión.
- ▶ Diferente voltaje & gas.
- ▶ Válvula de seguridad homologada.
- ▶ Control de nivel de aceite.
- ▶ Ventilador EC.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".



Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

DIMENSIONS / DIMENSIONES



| Series / Serie       | Dimensions / dimensiones(mm) |      |     |
|----------------------|------------------------------|------|-----|
|                      | L                            | W    | H   |
| HUP-O-2501           | 650                          | 440  | 305 |
| HUP-O-3001           | 740                          | 550  | 395 |
| HUP-O-3501           | 800                          | 660  | 445 |
| HUP-O-4001(18 tubes) | 850                          | 770  | 495 |
| HUP-O-4001(22 tubes) | 850                          | 770  | 595 |
| HUP-O-3502           | 1175                         | 640  | 585 |
| HUP-O-4002(24 tubes) | 1165                         | 670  | 685 |
| HUP-O-4002(26 tubes) | 1365                         | 670  | 730 |
| HUP-O-4502           | 1365                         | 720  | 890 |
| HUP-O-5002           | 1825                         | 800  | 890 |
| HUP-O-6302A          | 1825                         | 800  | 988 |
| HUP-O-6302B          | 2020                         | 1000 | 988 |

R404A / R507A



| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUP-O-2501Z410 MS | SC10MLX                  | 1/2   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.22 | 1                                       |
| HUP-O-3001Z412 MS | SC12MLX                  | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 31                    | 4.72 | 1                                       |
| HUP-O-3001Z412 MS | SC15MLX                  | 3/4   | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 5.74 | 1                                       |
| HUP-O-3001Z412 MS | SC18MLX                  | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 5.49 | 2                                       |
| HUP-O-3001Z412 MS | SC18MLX.3                | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 5.19 | 2                                       |
| HUP-O-3501Z416 MS | GS26MLX                  | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 48              | 3/8"                       | 5/8" | 41                    | 8.48 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP-O-2501Z410 MS | SC10MLX                  | 1/2   | 1.32                                                        | 1.10 | 0.91 | 0.74  | 0.59  |
| HUP-O-3001Z412 MS | SC12MLX                  | 3/4   | 1.59                                                        | 1.33 | 1.10 | 0.90  | 0.72  |
| HUP-O-3001Z412 MS | SC15MLX                  | 3/4   | 1.99                                                        | 1.66 | 1.37 | 1.12  | 0.90  |
| HUP-O-3001Z412 MS | SC18MLX                  | 1     | 2.31                                                        | 1.93 | 1.59 | 1.30  | 1.05  |
| HUP-O-3001Z412 MS | SC18MLX.3                | 1     | 2.40                                                        | 2.00 | 1.66 | 1.36  | 1.11  |
| HUP-O-3501Z416 MS | GS26MLX                  | 1 1/2 | 3.28                                                        | 2.8  | 2.3  | 1.9   | 1.5   |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP-O-2501Z211 LS | SC10CLX                  | 1/2 | 2.86                             | 5.44                   | 1×300                                          | 1056 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 2.71 | 1                                       |
| HUP-O-2501Z410 LS | SC12CLX.2                | 1/2 | 3.49                             | 7.26                   | 1×300                                          | 1233 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 32                    | 3.67 | 1                                       |
| HUP-O-3001Z412 LS | SC15CLX.2                | 3/4 | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 4.43 | 1                                       |
| HUP-O-3001Z412 LS | SC18CLX.2                | 3/4 | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 39                    | 4.87 | 1                                       |
| HUP-O-3001Z412 LS | SC21CL                   | 1   | 5.59                             | 10.36                  | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 40                    | 4.60 | 2                                       |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-2501Z211 LS | SC10CLX                  | 1/2 | 0.68                                                        | 0.54  | 0.41  | 0.30  | 0.21  |
| HUP-O-2501Z410 LS | SC12CLX.2                | 1/2 | 0.90                                                        | 0.73  | 0.58  | 0.45  | 0.34  |
| HUP-O-3001Z412 LS | SC15CLX.2                | 3/4 | 1.09                                                        | 0.89  | 0.70  | 0.55  | 0.41  |
| HUP-O-3001Z412 LS | SC18CLX.2                | 3/4 | 1.27                                                        | 1.03  | 0.82  | 0.64  | 0.48  |
| HUP-O-3001Z412 LS | SC21CL                   | 1   | 1.39                                                        | 1.12  | 0.88  | 0.68  | 0.51  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |      |                                         |
| HUP-O-2501Z410 MS | NEU6212GK                | 1/2   | 1.54                             | 3.8                    | 1×250                                          | 526  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 24                    | 3.07 | 1                                       |
| HUP-O-3001Z412 MS | NEU6215GK                | 3/4   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 29                    | 4.25 | 1                                       |
| HUP-O-3001Z412 MS | NEU6220GK                | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 5.06 | 1                                       |
| HUP-O-3001Z412 MS | NT6222GK                 | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 1/2" | 36                    | 5.30 | 2                                       |
| HUP-O-3001Z414 MS | NT6226GK                 | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 42              | 1/4"                       | 1/2" | 44                    | 6.84 | 2                                       |
| HUP-O-3001Z414 MS | NJ9232GK                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.88 | 2                                       |
| HUP-O-3501Z416 MS | NJ9238GK                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 8.90 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP-O-2501Z410 MS | NEU6212GK                | 1/2   | 1.21                                                        | 1.02 | 0.84 | 0.69  | 0.56  |
| HUP-O-3001Z412 MS | NEU6215GK                | 3/4   | 1.66                                                        | 1.40 | 1.17 | 0.97  | 0.79  |
| HUP-O-3001Z412 MS | NEU6220GK                | 3/4   | 1.94                                                        | 1.64 | 1.37 | 1.13  | 0.92  |
| HUP-O-3001Z412 MS | NT6222GK                 | 1     | 2.13                                                        | 1.78 | 1.46 | 1.19  | 0.96  |
| HUP-O-3001Z414 MS | NT6226GK                 | 1     | 2.83                                                        | 2.36 | 1.95 | 1.59  | 1.27  |
| HUP-O-3001Z414 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.62 | 2.11 | 1.66  | 1.27  |
| HUP-O-3501Z416 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.20 | 2.65 | 2.15  | 1.72  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

| LBP               | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP-O-2501Z211 LS | EHU2150GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1-230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.02 | 1                                       |
| HUP-O-2501Z211 LS | EHU2160GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1-230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.23 | 1                                       |
| HUP-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1-230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 25                    | 4.35 | 1                                       |
| HUP-O-2501Z310 LS | NEU2178GKA               | 1     | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1-230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 26                    | 4.48 | 2                                       |
| HUP-O-3001Z412 LS | NEX2183GKA               | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.39 | 2                                       |
| HUP-O-3001Z414 LS | NJ2192GJ                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.34 | 2                                       |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 7.73 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-2501Z211 LS | EHU2150GK                | 3/4   | 0.87                                                        | 0.71  | 0.57  | 0.45  | 0.35  |
| HUP-O-2501Z211 LS | EHU2160GK                | 3/4   | 0.98                                                        | 0.80  | 0.64  | 0.51  | 0.40  |
| HUP-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.05                                                        | 0.85  | 0.68  | 0.53  | 0.40  |
| HUP-O-2501Z310 LS | NEU2178GKA               | 1     | 1.23                                                        | 1.02  | 0.82  | 0.65  | 0.50  |
| HUP-O-3001Z412 LS | NEX2183GKA               | 1     | 1.31                                                        | 1.07  | 0.86  | 0.68  | 0.52  |
| HUP-O-3001Z414 LS | NJ2192GJ                 | 1 1/4 | 1.76                                                        | 1.43  | 1.13  | 0.87  | 0.65  |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 2.24                                                        | 1.84  | 1.47  | 1.14  | 0.85  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| HMBP              | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUP-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 5.59                             | 10.36                  | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 48              | 3/8"                       | 3/4"   | 54                    | 4.08  | 2                                       |
| HUP-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 56                    | 5.63  | 4                                       |
| HUP-O-4001Z418 MT | ZB19KQE-TFD              | 2.5 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 59                    | 7.23  | 4                                       |
| HUP-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 60                    | 7.88  | 4                                       |
| HUP-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 48              | 1/2"                       | 3/4"   | 86                    | 10.01 | 4                                       |
| HUP-O-3502Z420 MT | ZB29KQE-TFD              | 4   | 18.12                            | 34.5                   | 2×400                                          | 6368  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 105                   | 11.46 | 6                                       |
| HUP-O-4002Z424 MT | ZB38KQE-TFD              | 5   | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 109                   | 14.26 | 6                                       |
| HUP-O-4002Z424 MT | ZB45KQE-TFD              | 6   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 1/2"                       | 7/8"   | 125                   | 16.20 | 8                                       |
| HUP-O-4002Z426 MT | ZB48KQE-TFD              | 7   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 52              | 3/4"                       | 7/8"   | 125                   | 17.10 | 8                                       |
| HUP-O-4502Z432 MT | ZB58KQE-TFD              | 8   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 1/8" | 179                   | 19.08 | 10                                      |
| HUP-O-4502Z432 MT | ZB66KQE-TFD              | 9   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3~400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 3/8" | 179                   | 20.68 | 10                                      |
| HUP-O-4502Z432 MT | ZB76KQE-TFD              | 10  | 66.97                            | 93.1                   | 2×630                                          | 29761 | 4     | 3~400                       | 960                      | 1.86 | 60              | 7/8"                       | 1 3/8" | 220                   | 22.26 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                   |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 2.73                                                        | 2.28  | 1.88  | 1.54  |
| HUP-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 3.60                                                        | 2.95  | 2.37  | 1.84  |
| HUP-O-4001Z418 MT | ZB19KQE-TFD              | 2.5 | 4.58                                                        | 3.81  | 3.14  | 2.56  |
| HUP-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 5.50                                                        | 4.58  | 3.77  | 3.08  |
| HUP-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 6.43                                                        | 5.35  | 4.41  | 3.60  |
| HUP-O-3502Z420 MT | ZB29KQE-TFD              | 4   | 7.46                                                        | 6.21  | 5.12  | 4.17  |
| HUP-O-4002Z424 MT | ZB38KQE-TFD              | 5   | 9.42                                                        | 7.83  | 6.46  | 5.26  |
| HUP-O-4002Z424 MT | ZB45KQE-TFD              | 6   | 11.05                                                       | 9.17  | 7.56  | 6.17  |
| HUP-O-4002Z426 MT | ZB48KQE-TFD              | 7   | 12.15                                                       | 10.10 | 8.23  | 6.78  |
| HUP-O-4502Z432 MT | ZB58KQE-TFD              | 8   | 14.70                                                       | 12.10 | 9.68  | 7.41  |
| HUP-O-4502Z432 MT | ZB66KQE-TFD              | 9   | 16.45                                                       | 13.70 | 11.30 | 9.16  |
| HUP-O-4502Z432 MT | ZB76KQE-TFD              | 10  | 19.60                                                       | 16.25 | 13.30 | 10.65 |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.22  | 4                                       |
| HUP-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.62  | 4                                       |
| HUP-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 7.43  | 4                                       |
| HUP-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 8.23  | 4                                       |
| HUP-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1-230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 9.93  | 6                                       |
| HUP-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1-230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 12.57 | 6                                       |
| HUP-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1-230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 14.86 | 8                                       |
| HUP-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 18.12                            | 34.5                   | 2×400                                          | 6368 | 4     | 1-230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 110                   | 16.06 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 3.18                                                        | 2.60  | 2.11  | 1.69  | 1.33  |
| HUP-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 3.85                                                        | 3.17  | 2.59  | 2.11  | 1.71  |
| HUP-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 4.29                                                        | 3.55  | 2.90  | 2.32  | 1.80  |
| HUP-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 5.54                                                        | 4.61  | 3.82  | 3.10  | 2.42  |
| HUP-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 7.02                                                        | 5.79  | 4.73  | 3.83  | 3.07  |
| HUP-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 7.93                                                        | 6.64  | 5.52  | 4.51  | 3.54  |
| HUP-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 9.63                                                        | 8.01  | 6.62  | 5.41  | 4.38  |
| HUP-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 10.78                                                       | 8.97  | 7.39  | 6.05  | 4.91  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A



| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |       |                                         |
| HUP-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 5.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 6.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 6.73  | 4                                       |
| HUP-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 8.73  | 6                                       |
| HUP-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 11.16 | 6                                       |
| HUP-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 13.66 | 8                                       |
| HUP-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 21.00                            | 44.8                   | 2×400                                          | 6963 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 109                   | 15.16 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 3.09                                                        | 2.52  | 2.04  | 1.64  | 1.3   |
| HUP-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 3.79                                                        | 3.09  | 2.51  | 2.01  | 1.6   |
| HUP-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 4.19                                                        | 3.42  | 2.77  | 2.23  | 1.78  |
| HUP-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 5.21                                                        | 4.25  | 3.45  | 2.78  | 2.23  |
| HUP-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 6.44                                                        | 5.35  | 4.42  | 3.62  | 2.95  |
| HUP-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 7.86                                                        | 6.53  | 5.4   | 4.44  | 3.63  |
| HUP-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 9.4                                                         | 7.83  | 6.5   | 5.37  | 4.41  |
| HUP-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 11.8                                                        | 9.96  | 8.28  | 6.79  | 5.5   |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R404A / R507A

| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |       |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1-230                       | 130                      | 0.58 | 49              | 3/8"                       | 5/8" | 55                    | 15.98 | 2                                       |
| HUP-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1-230                       | 130                      | 0.58 | 46              | 3/8"                       | 5/8" | 55                    | 5.38  | 2                                       |
| HUP-O-4001Z418 MS | FH4524Z-XC3A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1-230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 18.83 | 4                                       |
| HUP-O-4001Z418 MT | FH4524Z-XG1A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1-230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 7.03  | 4                                       |
| HUP-O-4001Z518 MT | FH4532Z-XG1A             | 2 3/4 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1-230                       | 160                      | 0.73 | 56              | 1/2"                       | 7/8" | 68                    | 8.93  | 4                                       |
| HUP-O-3502Z420 MT | FH4538Z-XG1A             | 3.5   | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1-230                       | 260                      | 1.16 | 59              | 1/2"                       | 7/8" | 93                    | 10.36 | 4                                       |
| HUP-O-3502Z420 MT | TAG4546Z                 | 4     | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1-230                       | 260                      | 1.16 | 63              | 1/2"                       | 7/8" | 93                    | 12.56 | 6                                       |
| HUP-O-3502Z420 MT | TAG4561Z                 | 5     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1-230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 113                   | 15.46 | 6                                       |
| HUP-O-4002Z424 MT | TAG4568Z                 | 6     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1-230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 115                   | 16.66 | 8                                       |
| HUP-O-4002Z424 MT | TAG4573Z                 | 7     | 31.24                            | 73.6                   | 2×500                                          | 11299 | 4     | 1-230                       | 700                      | 3.10 | 63              | 1/2"                       | 7/8" | 132                   | 21.10 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUP-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 3.91                                                        | 3.13  | 2.48 | 1.93  | 1.46  |
| HUP-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 3.81                                                        | 3.07  | 2.44 | 1.91  | 1.45  |
| HUP-O-4001Z418 MS | FH4524Z                  | 2     | 5.22                                                        | 4.25  | 3.40 | 2.64  | 1.96  |
| HUP-O-4001Z418 MT | TFH4524Z                 | 2     | 4.70                                                        | 3.70  | 2.86 | 2.13  | 1.52  |
| HUP-O-4001Z518 MT | TFH4531Z                 | 2 3/4 | 5.95                                                        | 4.72  | 3.68 | 2.80  | 2.04  |
| HUP-O-3502Z420 MT | TFH4540Z                 | 3.5   | 7.58                                                        | 6.06  | 4.77 | 3.68  | 2.73  |
| HUP-O-3502Z420 MT | TAG4546Z                 | 4     | 8.86                                                        | 6.81  | 5.13 | 3.75  | 2.63  |
| HUP-O-3502Z420 MT | TAG4561Z                 | 5     | 11.03                                                       | 8.62  | 6.62 | 4.95  | 3.56  |
| HUP-O-4002Z424 MT | TAG4568Z                 | 6     | 12.95                                                       | 10.21 | 7.92 | 6.00  | 4.40  |
| HUP-O-4002Z424 MT | TAG4573Z                 | 7     | 13.80                                                       | 10.88 | 8.47 | 6.46  | 4.80  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R404A / R507A

Tecumseh

| LBP               | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |      |
|-------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|------|
|                   | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |                 | *Dist=10m                  | L    |                       |      |                                         | S    |
|                   |                          |    |                                  |                        |                                                |      |       |                             | W                        | A               |                            | dBA  |                       |      |                                         | inch |
| HUP-O-3501Z416 LS | FH2480Z-XC3A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58            | 54                         | 1/2" | 5/8"                  | 65   | 16.58                                   | 4    |
| HUP-O-3501Z416 LT | FH2480Z-XG1A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58            | 52                         | 1/2" | 5/8"                  | 65   | 5.38                                    | 4    |
| HUP-O-4001Z418 LT | FH2511Z-XG1A             | 3  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73            | 58                         | 1/2" | 5/8"                  | 71   | 5.73                                    | 4    |
| HUP-O-4001Z418 LT | TAG2516Z                 | 4  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73            | 55                         | 5/8" | 7/8"                  | 75   | 10.54                                   | 6    |
| HUP-O-3502Z420 LT | TAG2522Z                 | 6  | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16            | 57                         | 5/8" | 1-1/8"                | 84   | 13.66                                   | 8    |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-3501Z416 LS | FH2480Z                  | 2  | 2.82                                                        | 2.17  | 1.63  | 1.18  | 0.79  |
| HUP-O-3501Z416 LT | TFH2480Z                 | 2  | 2.70                                                        | 2.11  | 1.61  | 1.18  | 0.81  |
| HUP-O-4001Z418 LT | TFH2511Z                 | 3  | 3.90                                                        | 2.97  | 2.20  | 1.59  | 1.09  |
| HUP-O-4001Z418 LT | TAG2516Z                 | 4  | 5.67                                                        | 4.32  | 3.21  | 2.30  | 1.59  |
| HUP-O-3502Z420 LT | TAG2522Z                 | 6  | 6.98                                                        | 5.29  | 3.92  | 2.83  | 1.95  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP-O-2501Z410 MS | NEU6212GK                | 1/2   | 1.54                             | 3.8                    | 1×250                                          | 526  | 4     | 1-230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 24                    | 3.07 | 1                                       |
| HUP-O-3001Z412 MS | NEU6215GK                | 3/4   | 2.86                             | 5.4                    | 1×300                                          | 1056 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 29                    | 4.25 | 1                                       |
| HUP-O-3001Z412 MS | NEU6220GK                | 3/4   | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 5.06 | 1                                       |
| HUP-O-3001Z412 MS | NT6222GK                 | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1-230                       | 72                       | 0.32 | 42              | 1/4"                       | 1/2" | 36                    | 5.30 | 2                                       |
| HUP-O-3001Z414 MS | NT6226GK                 | 1     | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 42              | 1/4"                       | 1/2" | 44                    | 6.84 | 2                                       |
| HUP-O-3001Z414 MS | NJ9232GK                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.88 | 2                                       |
| HUP-O-3501Z416 MS | NJ9238GK                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 8.90 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |      |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |      |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C  | -5°C | -10°C | -15°C |
| HUP-O-2501Z410 MS | NEU6212GK                | 1/2   | 1.15                                                        | 0.97 | 0.80 | 0.66  | 0.53  |
| HUP-O-3001Z412 MS | NEU6215GK                | 3/4   | 1.58                                                        | 1.33 | 1.11 | 0.92  | 0.75  |
| HUP-O-3001Z412 MS | NEU6220GK                | 3/4   | 1.85                                                        | 1.56 | 1.30 | 1.07  | 0.87  |
| HUP-O-3001Z412 MS | NT6222GK                 | 1     | 2.02                                                        | 1.69 | 1.39 | 1.13  | 0.91  |
| HUP-O-3001Z414 MS | NT6226GK                 | 1     | 2.69                                                        | 2.25 | 1.85 | 1.51  | 1.21  |
| HUP-O-3001Z414 MS | NJ9232GK                 | 1 1/4 | -                                                           | 2.49 | 2.01 | 1.58  | 1.20  |
| HUP-O-3501Z416 MS | NJ9238GK                 | 1 1/2 | -                                                           | 3.04 | 2.52 | 2.05  | 1.63  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

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| LBP               | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |      |                                         |
|                   |                          |       |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch |                       |      |                                         |
| HUP-O-2501Z211 LS | EHU2150GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.02 | 1                                       |
| HUP-O-2501Z211 LS | EHU2160GK                | 3/4   | 1.29                             | 2.1                    | 1×250                                          | 777  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 22                    | 3.23 | 1                                       |
| HUP-O-2501Z310 LS | NEU2168GKA               | 3/4   | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 25                    | 4.35 | 1                                       |
| HUP-O-2501Z310 LS | NEU2178GKA               | 1     | 1.47                             | 2.9                    | 1×250                                          | 610  | 4     | 1~230                       | 45                       | 0.21 | 37              | 1/4"                       | 3/8" | 26                    | 4.48 | 2                                       |
| HUP-O-3001Z412 LS | NEX2183GKA               | 1     | 3.49                             | 7.3                    | 1×300                                          | 1233 | 4     | 1~230                       | 72                       | 0.32 | 42              | 1/4"                       | 3/8" | 30                    | 4.39 | 2                                       |
| HUP-O-3001Z414 LS | NJ2192GJ                 | 1 1/4 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 6.34 | 2                                       |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1~230                       | 130                      | 0.58 | 47              | 1/4"                       | 1/2" | 48                    | 7.73 | 2                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |       | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-2501Z211 LS | EHU2150GK                | 3/4   | 0.77                                                        | 0.63  | 0.50  | 0.40  | 0.31  |
| HUP-O-2501Z211 LS | EHU2160GK                | 3/4   | 0.86                                                        | 0.70  | 0.56  | 0.45  | 0.35  |
| HUP-O-2501Z310 LS | NEU2168GKA               | 3/4   | 0.92                                                        | 0.75  | 0.60  | 0.47  | 0.35  |
| HUP-O-2501Z310 LS | NEU2178GKA               | 1     | 1.08                                                        | 0.89  | 0.72  | 0.57  | 0.44  |
| HUP-O-3001Z412 LS | NEX2183GKA               | 1     | 1.15                                                        | 0.94  | 0.76  | 0.60  | 0.46  |
| HUP-O-3001Z414 LS | NJ2192GJ                 | 1 1/4 | 1.55                                                        | 1.25  | 0.99  | 0.76  | 0.57  |
| HUP-O-3501Z416 LS | NJ2212GJ                 | 1 1/2 | 1.97                                                        | 1.62  | 1.29  | 1.00  | 0.74  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

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| HMBP              | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUP-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 5.59                             | 10.36                  | 1×350                                          | 2219  | 4     | 1-230                       | 130                      | 0.58 | 48              | 3/8"                       | 3/4"   | 54                    | 4.08  | 2                                       |
| HUP-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1-230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 56                    | 5.63  | 4                                       |
| HUP-O-4001Z418 MT | ZB19KQE-TFD              | 2.5 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1-230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 59                    | 7.23  | 4                                       |
| HUP-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1-230                       | 160                      | 0.73 | 49              | 1/2"                       | 3/4"   | 60                    | 7.88  | 4                                       |
| HUP-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1-230                       | 260                      | 1.16 | 48              | 1/2"                       | 3/4"   | 86                    | 10.01 | 4                                       |
| HUP-O-3502Z420 MT | ZB29KQE-TFD              | 4   | 18.12                            | 34.5                   | 2×400                                          | 6368  | 4     | 1-230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 105                   | 11.46 | 6                                       |
| HUP-O-4002Z424 MT | ZB38KQE-TFD              | 5   | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1-230                       | 320                      | 1.46 | 52              | 1/2"                       | 7/8"   | 109                   | 14.26 | 6                                       |
| HUP-O-4002Z424 MT | ZB45KQE-TFD              | 6   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1-230                       | 700                      | 3.10 | 52              | 1/2"                       | 7/8"   | 125                   | 16.20 | 8                                       |
| HUP-O-4002Z426 MT | ZB48KQE-TFD              | 7   | 31.24                            | 55.2                   | 2×450                                          | 11299 | 4     | 1-230                       | 700                      | 3.10 | 52              | 3/4"                       | 7/8"   | 125                   | 17.10 | 8                                       |
| HUP-O-4502Z432 MT | ZB58KQE-TFD              | 8   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3-400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 1/8" | 179                   | 19.08 | 10                                      |
| HUP-O-4502Z432 MT | ZB66KQE-TFD              | 9   | 42.53                            | 73.6                   | 2×500                                          | 15758 | 4     | 3-400                       | 1640                     | 3.18 | 54              | 7/8"                       | 1 3/8" | 179                   | 20.68 | 10                                      |
| HUP-O-4502Z432 MT | ZB76KQE-TFD              | 10  | 66.97                            | 93.1                   | 2×630                                          | 29761 | 4     | 3-400                       | 960                      | 1.86 | 60              | 7/8"                       | 1 3/8" | 220                   | 22.26 | 10                                      |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |
|                   |                          |     | -5°C                                                        | -10°C | -15°C | -20°C |
| HUP-O-3501Z416 MT | ZB11KNE-TFD              | 1.5 | 2.63                                                        | 2.18  | 1.79  | 1.45  |
| HUP-O-4001Z418 MT | ZB15KQE-TFD              | 2   | 3.21                                                        | 2.56  | 2.00  | 1.49  |
| HUP-O-4001Z418 MT | ZB19KQE-TFD              | 2.5 | 4.09                                                        | 3.33  | 2.67  | 2.13  |
| HUP-O-4001Z518 MT | ZB21KQE-TFD              | 3   | 4.92                                                        | 3.99  | 3.21  | 2.54  |
| HUP-O-3502Z420 MT | ZB26KQE-TFD              | 3.5 | 5.75                                                        | 4.67  | 3.75  | 2.97  |
| HUP-O-3502Z420 MT | ZB29KQE-TFD              | 4   | 7.44                                                        | 6.07  | 4.91  | 3.91  |
| HUP-O-4002Z424 MT | ZB38KQE-TFD              | 5   | 8.42                                                        | 6.83  | 5.49  | 4.35  |
| HUP-O-4002Z424 MT | ZB45KQE-TFD              | 6   | 9.83                                                        | 8.00  | 6.42  | 5.10  |
| HUP-O-4002Z426 MT | ZB48KQE-TFD              | 7   | 10.83                                                       | 8.80  | 7.06  | 5.60  |
| HUP-O-4502Z432 MT | ZB58KQE-TFD              | 8   | 13.12                                                       | 10.55 | 8.22  | 6.07  |
| HUP-O-4502Z432 MT | ZB66KQE-TFD              | 9   | 15.63                                                       | 13.02 | 10.74 | 8.70  |
| HUP-O-4502Z432 MT | ZB76KQE-TFD              | 10  | 17.51                                                       | 14.22 | 11.31 | 8.81  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

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| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 | dBA                        | inch |                       |       |                                         |
| HUP-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.22  | 4                                       |
| HUP-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.62  | 4                                       |
| HUP-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 7.43  | 4                                       |
| HUP-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 8.23  | 4                                       |
| HUP-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1~230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 9.93  | 6                                       |
| HUP-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 12.57 | 6                                       |
| HUP-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1~230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 14.86 | 8                                       |
| HUP-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 18.12                            | 34.5                   | 2×400                                          | 6368 | 4     | 1~230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 110                   | 16.06 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-4001Z418 LT | ZSI06KQE-TFP             | 2   | 2.79                                                        | 2.22  | 1.75  | 1.36  | 1.03  |
| HUP-O-4001Z418 LT | ZSI08KQE-TFP             | 2.5 | 3.39                                                        | 2.72  | 2.17  | 1.71  | 1.35  |
| HUP-O-4001Z418 LT | ZSI09KQE-TFP             | 3   | 3.75                                                        | 3.03  | 2.41  | 1.87  | 1.40  |
| HUP-O-4001Z418 LT | ZSI11KQE-TFP             | 3.5 | 4.86                                                        | 3.94  | 3.18  | 2.52  | 1.92  |
| HUP-O-4001Z622 LT | ZSI14KQE-TFP             | 4.5 | 6.18                                                        | 4.96  | 3.95  | 3.11  | 2.42  |
| HUP-O-3502Z420 LT | ZSI15KQE-TFP             | 5   | 6.98                                                        | 5.70  | 4.62  | 3.67  | 2.80  |
| HUP-O-3502Z420 LT | ZSI18KQE-TFP             | 6   | 8.48                                                        | 6.88  | 5.54  | 4.42  | 3.47  |
| HUP-O-4002Z424 LT | ZSI21KQE-TFP             | 7   | 9.50                                                        | 7.70  | 6.19  | 4.93  | 3.89  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP               | Compressor/<br>Compresor |     | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp  | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltage<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |     |                                  |                        |                                                |      |       |                             | W                        | A    |                 |                            |      |                       |       |                                         |
| HUP-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 5.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 65                    | 6.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 52              | 1/2"                       | 3/4" | 67                    | 6.73  | 4                                       |
| HUP-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 55              | 1/2"                       | 7/8" | 71                    | 6.73  | 4                                       |
| HUP-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 10.65                            | 25.7                   | 1×400                                          | 3046 | 4     | 1-230                       | 160                      | 0.73 | 57              | 1/2"                       | 7/8" | 72                    | 8.73  | 6                                       |
| HUP-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1-230                       | 260                      | 1.16 | 57              | 1/2"                       | 7/8" | 80                    | 11.16 | 6                                       |
| HUP-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1-230                       | 260                      | 1.16 | 58              | 1/2"                       | 7/8" | 84                    | 13.66 | 8                                       |
| HUP-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 21.00                            | 44.8                   | 2×400                                          | 6963 | 4     | 1-230                       | 320                      | 1.46 | 59              | 1/2"                       | 7/8" | 109                   | 15.16 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (items opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |     | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|-----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp  | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |     | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-4001Z418 LT | ZF06KQE-TFD              | 2   | 3.27                                                        | 2.69  | 2.19  | 1.76  | 1.41  |
| HUP-O-4001Z418 LT | ZF08KQE-TFD              | 2.5 | 4.04                                                        | 3.33  | 2.72  | 2.19  | 1.75  |
| HUP-O-4001Z418 LT | ZF09KQE-TFD              | 3   | 4.46                                                        | 3.67  | 3.00  | 2.43  | 1.94  |
| HUP-O-4001Z418 LT | ZF11KQE-TFD              | 3.5 | 5.53                                                        | 4.56  | 3.73  | 3.02  | 2.43  |
| HUP-O-4001Z622 LT | ZF13KQE-TFD              | 4   | 6.56                                                        | 5.30  | 4.29  | 3.46  | 2.76  |
| HUP-O-3502Z420 LT | ZF15KQE-TFD              | 5   | 8.01                                                        | 6.47  | 5.24  | 4.24  | 3.41  |
| HUP-O-3502Z420 LT | ZF18KQE-TFD              | 6   | 9.59                                                        | 7.76  | 6.30  | 5.13  | 4.13  |
| HUP-O-4002Z426 LT | ZF25KQE-TFD              | 7.5 | 12.05                                                       | 9.90  | 8.06  | 6.48  | 5.14  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

R448A / R449A

Tecumseh

| HMBP              | Compressor/<br>Compresor |       | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |       |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |      | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|-------|----------------------------------|------------------------|------------------------------------------------|-------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp    | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h  | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S    |                       |       |                                         |
|                   |                          |       |                                  |                        |                                                |       |       |                             | W                        | A    | dBA             | inch                       | inch |                       |       |                                         |
| HUP-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 49              | 3/8"                       | 5/8" | 55                    | 15.98 | 2                                       |
| HUP-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 5.59                             | 10.4                   | 1×350                                          | 2219  | 4     | 1~230                       | 130                      | 0.58 | 46              | 3/8"                       | 5/8" | 55                    | 5.38  | 2                                       |
| HUP-O-4001Z418 MS | FH4524Z-XC3A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 18.83 | 4                                       |
| HUP-O-4001Z418 MT | FH4524Z-XG1A             | 2     | 7.02                             | 14.0                   | 1×400                                          | 3101  | 4     | 1~230                       | 160                      | 0.73 | 55              | 1/2"                       | 5/8" | 60                    | 7.03  | 4                                       |
| HUP-O-4001Z518 MT | FH4532Z-XG1A             | 2 3/4 | 8.40                             | 17.5                   | 1×400                                          | 2914  | 4     | 1~230                       | 160                      | 0.73 | 56              | 1/2"                       | 7/8" | 68                    | 8.93  | 4                                       |
| HUP-O-3502Z420 MT | FH4538Z-XG1A             | 3.5   | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 59              | 1/2"                       | 7/8" | 93                    | 10.36 | 4                                       |
| HUP-O-3502Z420 MT | TAG4546Z                 | 4     | 13.02                            | 28.7                   | 2×350                                          | 4793  | 4     | 1~230                       | 260                      | 1.16 | 63              | 1/2"                       | 7/8" | 93                    | 12.56 | 6                                       |
| HUP-O-3502Z420 MT | TAG4561Z                 | 5     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 113                   | 15.46 | 6                                       |
| HUP-O-4002Z424 MT | TAG4568Z                 | 6     | 21.00                            | 44.8                   | 2×400                                          | 6963  | 4     | 1~230                       | 320                      | 1.46 | 64              | 1/2"                       | 7/8" | 115                   | 16.66 | 8                                       |
| HUP-O-4002Z424 MT | TAG4573Z                 | 7     | 31.24                            | 73.6                   | 2×500                                          | 11299 | 4     | 1~230                       | 700                      | 3.10 | 63              | 1/2"                       | 7/8" | 132                   | 21.10 | 8                                       |

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| HMBP              | Compressor/<br>Compresor |       | Performance/<br>Rendimiento (kW)                            |       |      |       |       |
|-------------------|--------------------------|-------|-------------------------------------------------------------|-------|------|-------|-------|
|                   | Model/<br>Modelo         | Hp    | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |      |       |       |
|                   |                          |       | +5°C                                                        | 0°C   | -5°C | -10°C | -15°C |
| HUP-O-3501Z416 MS | CAJ4519Z                 | 1 3/4 | 4.07                                                        | 3.27  | 2.60 | 2.02  | 1.53  |
| HUP-O-3501Z416 MT | TAJ4519Z                 | 1 3/4 | 3.97                                                        | 3.21  | 2.56 | 2.01  | 1.53  |
| HUP-O-4001Z418 MS | FH4524Z                  | 2     | 4.87                                                        | 3.84  | 2.97 | 2.24  | 1.61  |
| HUP-O-4001Z418 MT | TFH4524Z                 | 2     | 4.89                                                        | 3.87  | 2.99 | 2.24  | 1.60  |
| HUP-O-4001Z518 MT | TFH4531Z                 | 2 3/4 | 6.19                                                        | 4.93  | 3.85 | 2.93  | 2.15  |
| HUP-O-3502Z420 MT | TFH4540Z                 | 3.5   | 7.89                                                        | 6.33  | 5.00 | 3.86  | 2.88  |
| HUP-O-3502Z420 MT | TAG4546Z                 | 4     | 9.23                                                        | 7.11  | 5.37 | 3.94  | 2.77  |
| HUP-O-3502Z420 MT | TAG4561Z                 | 5     | 11.49                                                       | 9.00  | 6.93 | 5.20  | 3.74  |
| HUP-O-4002Z424 MT | TAG4568Z                 | 6     | 13.49                                                       | 10.66 | 8.29 | 6.30  | 4.63  |
| HUP-O-4002Z424 MT | TAG4573Z                 | 7     | 14.37                                                       | 11.36 | 8.86 | 6.78  | 5.05  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C

## R448A / R449A

| LBP               | Compressor/<br>Compresor |    | Condenser/<br>Condensador        |                        | Axial Fan Motor/<br>Ventilador con motor axial |      |       |                             |                          |      | Noise/<br>Ruido | Pipe Fittings/<br>Tuberías |        | N.W./<br>Peso<br>Neto | *MOC  | Liquid Receiver/<br>Receptor de Líquido |
|-------------------|--------------------------|----|----------------------------------|------------------------|------------------------------------------------|------|-------|-----------------------------|--------------------------|------|-----------------|----------------------------|--------|-----------------------|-------|-----------------------------------------|
|                   | Model/Modelo             | Hp | Capacity/<br>Capacidad<br>ΔT=15K | Surface/<br>Superficie | N°×Ø                                           | m³/h | Poles | Voltage/Voltaje<br>(V/50Hz) | Absorption/<br>Absorción |      | *Dist=10m       | L                          | S      |                       |       |                                         |
|                   |                          |    |                                  |                        |                                                |      |       |                             | W                        | A    | dBA             | inch                       | inch   |                       |       |                                         |
| HUP-O-3501Z416 LS | FH2480Z-XC3A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 54              | 1/2"                       | 5/8"   | 65                    | 16.58 | 4                                       |
| HUP-O-3501Z416 LT | FH2480Z-XG1A             | 2  | 5.59                             | 10.4                   | 1×350                                          | 2219 | 4     | 1-230                       | 130                      | 0.58 | 52              | 1/2"                       | 5/8"   | 65                    | 5.38  | 4                                       |
| HUP-O-4001Z418 LT | FH2511Z-XG1A             | 3  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 58              | 1/2"                       | 5/8"   | 71                    | 5.73  | 4                                       |
| HUP-O-4001Z418 LT | TAG2516Z                 | 4  | 7.02                             | 14.0                   | 1×400                                          | 3101 | 4     | 1-230                       | 160                      | 0.73 | 55              | 5/8"                       | 7/8"   | 75                    | 10.54 | 6                                       |
| HUP-O-3502Z420 LT | TAG2522Z                 | 6  | 13.02                            | 28.7                   | 2×350                                          | 4793 | 4     | 1-230                       | 260                      | 1.16 | 57              | 5/8"                       | 1-1/8" | 84                    | 13.66 | 8                                       |

The noise levels refer to the average value recorded during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption and compressor jacket (optional items). Alternative conditions may produce different results.

Condensers are designed at ambient temperature 32°C.

MOC: Max Operating Current.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar y chaqueta para compresor (ítems opcionales). Las condiciones alternativas pueden producir diferentes resultados.

Los condensadores están diseñados a temperatura ambiente de 32°C.

MOC: Corriente máxima de funcionamiento.

| LBP               | Compressor/<br>Compresor |    | Performance/<br>Rendimiento (kW)                            |       |       |       |       |
|-------------------|--------------------------|----|-------------------------------------------------------------|-------|-------|-------|-------|
|                   | Model/<br>Modelo         | Hp | Evaporating Temperature/<br>Temperatura de evaporación (°C) |       |       |       |       |
|                   |                          |    | -10°C                                                       | -15°C | -20°C | -25°C | -30°C |
| HUP-O-3501Z416 LS | FH2480Z                  | 2  | 2.96                                                        | 2.29  | 1.72  | 1.25  | 0.84  |
| HUP-O-3501Z416 LT | TFH2480Z                 | 2  | 2.84                                                        | 2.22  | 1.69  | 1.25  | 0.87  |
| HUP-O-4001Z418 LT | TFH2511Z                 | 3  | 4.09                                                        | 3.12  | 2.33  | 1.68  | 1.16  |
| HUP-O-4001Z418 LT | TAG2516Z                 | 4  | 5.95                                                        | 4.55  | 3.39  | 2.44  | 1.69  |
| HUP-O-3502Z420 LT | TAG2522Z                 | 6  | 7.33                                                        | 5.57  | 4.14  | 3.00  | 2.08  |

Test condition: Ambient temperature: 35°C, Condensing temperature: 50°C/

Condiciones de prueba: temperatura ambiente: 35°C, temperatura de condensación: 50°C





# HUM SERIES MONOBLOCKS

MONOBLOQUES SERIE HUM

## MONOBLOCKS MONOBLOQUES

The exchange coils used in the HUM range are highly efficient with special profile aluminum fins and ø7 mm internally grooved tubes (condensers) and ø9.52 internally grooved tubes (evaporators), with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

Supported to the casing by means of a "floating" system that avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.

**Monoblock unit with low refrigerant requirement of less than 2 kg.**

**Designed for operation in environments with temperatures up to 45 °C.**

**Equipped with a thermostatic expansion valve.**

**Features hot gas defrosting with temperature control.**

**Units do not include leakage monitoring.**

## HUM SERIES MONOBLOCKS MONOBLOQUES SERIE HUM

Los serpentines de intercambio utilizados en la gama HUM son de alta eficiencia con aletas de aluminio de perfil especial y ø7 mm tubos ranurados interiormente (condensadores) y ø9.52 mm tubos ranurados interiormente (evaporadores), con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

Se apoya en la carcasa mediante un sistema "flotante" que evita cualquier tipo de contacto entre los tubos de cobre y las placas terminales de soporte, asegurando una larga vida útil del condensador sin fugas.

**Monoblock unit with low refrigerant requirement of less than 2 kg.**

**Designed for operation in environments with temperatures up to 45 °C.**

**Equipped with a thermostatic expansion valve.**

**Features hot gas defrosting with temperature control.**

**Units do not include leakage monitoring.**

# HUM 100 Z MS

- T: Three hase (S: Single phase) /  
T: Trifásico (S: Una fase)
- M: Medium and high temp., L: Low temp. /  
M: Media y alta temp., L: Baja temp.
- Z: R404A/R507A, P: Propane /  
Z: R404A/R507A, P: Propano
- 100 x HP
- Series / Serie

## ACCESSORIES / ACCESORIOS

- ▶ White prepainted steel casing with high resistance to corrosion and impacts.
- ▶ Tropical condenser coil with copper tube and aluminium fins.
- ▶ Reciprocating compressor & scroll compressor.
- ▶ High pressure switch & low pressure switch.
- ▶ Hermetic receiver filter drier for R290.
- ▶ Filter drier for R404A/R507A.
- ▶ Liquid receiver for R404A/R507A.
- ▶ Dixell digital controller.
- ▶ Weiguang fan motors.
- ▶ Solenoid valve.
- ▶ Thermostatic expansion valve.
- ▶ Hot gas defrost.
- ▶ Automatic condensate evaporation.
- ▶ LED interior light.

For performance at work points other than those in this catalog, use the "xShark HISPANIA" software.



For special applications and additional information consult our Technical Department.

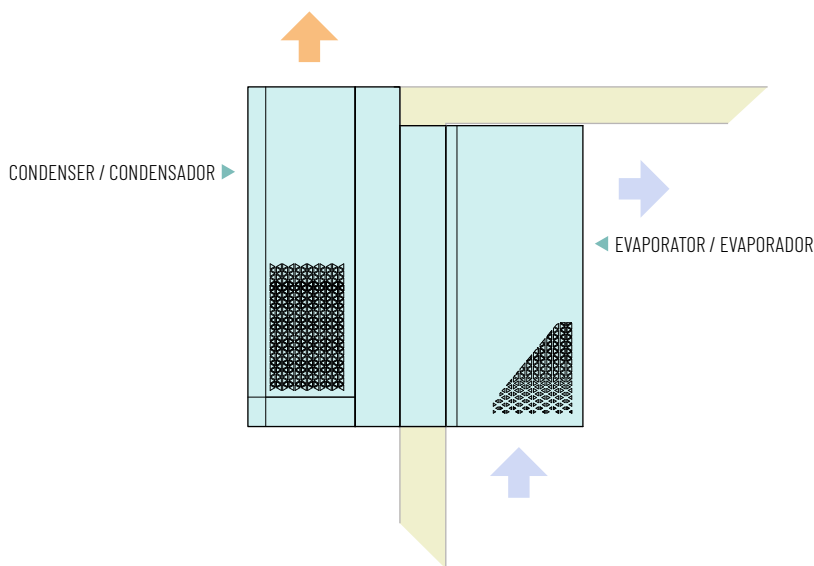
- ▶ Carcasa de acero prepintado blanco con alta resistencia a la corrosión y a los impactos.
- ▶ Bobina del condensador tropical con tubo de cobre y aletas de aluminio.
- ▶ Compresor alternativo y compresor scroll.
- ▶ Interruptor de alta presión e interruptor de baja presión.
- ▶ Filtro secador receptor hermético para R290.
- ▶ Filtro secador para R404A/R507A.
- ▶ Receptor de líquido para R404A/R507A.
- ▶ Controlador digital Dixell.
- ▶ Motores de ventilador Weiguang.
- ▶ Válvula solenoide.
- ▶ Válvula de expansión termostática.
- ▶ Descongelación por gas caliente.
- ▶ Evaporación automática de condensado.
- ▶ Luz interior LED.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software "xShark HISPANIA".

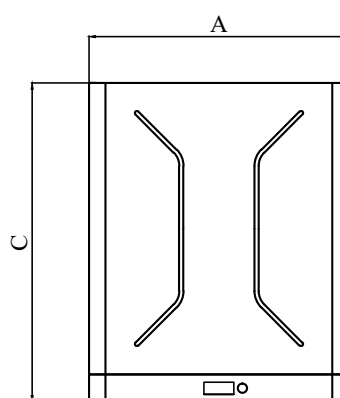
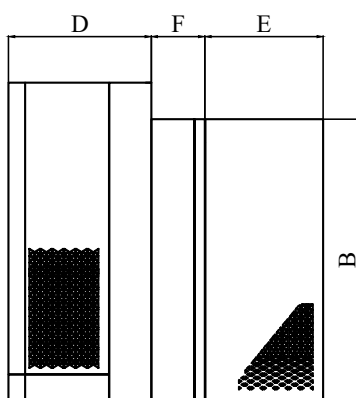


Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

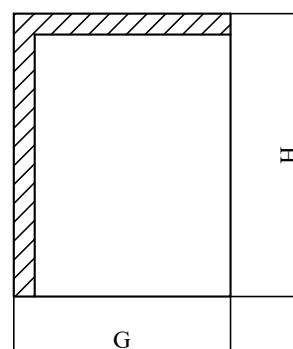
## INSTALLATION / INSTALACIÓN



DIMENSIONS / DIMENSIONES



Mounting Frame



Buffer rupture

| Series / Serie | Dimensions / dimensiones(mm) |     |     |     |     |     |     |     |
|----------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|
|                | A                            | B   | C   | D   | E   | F   | G   | H   |
| A              | 470                          | 675 | 760 | 340 | 360 | 100 | 445 | 680 |
| B              | 620                          | 675 | 760 | 340 | 410 | 100 | 595 | 680 |
| C              | 735                          | 700 | 940 | 390 | 450 | 100 | 710 | 705 |
| D              | 850                          | 720 | 940 | 440 | 490 | 100 | 825 | 725 |

R404A / R507A

| HMBP        | Compressor /<br>Compresor |       | Capacity / Cold room volumn /<br>Capacidad / Volumen de la cámara frigorífica |    |        |    |         |     | Power /<br>Potencia | *MOC  | Air flow /<br>Flujo de<br>aire | N.W. /<br>Peso<br>Neto | Noise /<br>Ruido | Charge /<br>Carga | Series /<br>Serie |
|-------------|---------------------------|-------|-------------------------------------------------------------------------------|----|--------|----|---------|-----|---------------------|-------|--------------------------------|------------------------|------------------|-------------------|-------------------|
|             |                           |       | Ta=0°C                                                                        |    | Ta=5°C |    | Ta=10°C |     |                     |       |                                |                        | dist.=10m        |                   |                   |
| Code        | Model                     | Hp    | W                                                                             | m3 | W      | m3 | W       | m3  | kw                  | A     | m3/h                           | kg                     | dB(A)            | kg                |                   |
| HUM 050Z MS | SC10MLX                   | 1/2   | 805                                                                           | 6  | 974    | 10 | 1178    | 18  | 0.69                | 5.53  | 452                            | 60                     | 30               | 0.67              | A                 |
| HUM 075Z MS | SC12MLX                   | 3/4   | 978                                                                           | 10 | 1179   | 16 | 1422    | 27  | 0.75                | 5.62  | 492                            | 61                     | 35               | 0.69              | A                 |
| HUM 075Z MS | SC15MLX                   | 3/4   | 1217                                                                          | 12 | 1469   | 19 | 1775    | 30  | 0.96                | 7.24  | 570                            | 65                     | 35               | 0.79              | B                 |
| HUM 100Z MS | SC18MLX                   | 1     | 1419                                                                          | 14 | 1710   | 22 | 2064    | 35  | 0.99                | 6.62  | 840                            | 68                     | 36               | 0.79              | B                 |
| HUM 125Z MS | GS21MLX                   | 1 1/4 | 1701                                                                          | 16 | 2072   | 25 | 2528    | 41  | 1.22                | 7.82  | 693                            | 89                     | 38               | 1.35              | B                 |
| HUM 150Z MS | GS26MLX                   | 1 1/2 | 2059                                                                          | 23 | 2484   | 36 | 2991    | 57  | 1.43                | 8.77  | 1093                           | 90                     | 40               | 1.35              | B                 |
| HUM 175Z MS | GS34MLX                   | 1 3/4 | 2874                                                                          | 35 | 3436   | 53 | 4106    | 83  | 1.96                | 12.51 | 1133                           | 118                    | 40               | 1.50              | C                 |
| HUM 200Z MS | ZB15KQE-PFJ               | 2     | 3213                                                                          | 41 | 3863   | 62 | 4622    | 97  | 2.14                | 14.3  | 1334                           | 126                    | 41               | 1.50              | C                 |
| HUM 200Z MT | ZB15KQE-TFD               | 2     | 3213                                                                          | 41 | 3863   | 62 | 4622    | 97  | 2.43                | 6.4   | 1334                           | 126                    | 41               | 1.50              | C                 |
| HUM 250Z MS | ZB19KQE-PFJ               | 2 1/2 | 4122                                                                          | 45 | 4892   | 69 | 5826    | 111 | 2.65                | 14.13 | 1962                           | 130                    | 43               | 1.62              | D                 |
| HUM 250Z MT | ZB19KQE-TFD               | 2 1/2 | 4122                                                                          | 45 | 4892   | 69 | 5826    | 111 | 2.70                | 8.7   | 1962                           | 130                    | 43               | 1.62              | D                 |

| LBP         | Compressor /<br>Compresor |       | Capacity / Cold room volumn /<br>Capacidad / Volumen de la cámara frigorífica |     |          |     |          |     | Power /<br>Potencia | *MOC | Air flow /<br>Flujo de<br>aire | N.W. /<br>Peso<br>Neto | Noise /<br>Ruido | Charge /<br>Carga | Series /<br>Serie |
|-------------|---------------------------|-------|-------------------------------------------------------------------------------|-----|----------|-----|----------|-----|---------------------|------|--------------------------------|------------------------|------------------|-------------------|-------------------|
|             |                           |       | Ta=-25°C                                                                      |     | Ta=-20°C |     | Ta=-15°C |     |                     |      |                                |                        | dist.=10m        |                   |                   |
| Code        | Model                     | Hp    | W                                                                             | m3  | W        | m3  | W        | m3  | kw                  | A    | m3/h                           | kg                     | dB(A)            | kg                |                   |
| HUM 050Z LS | SC10CLX                   | 1/2   | 186                                                                           | 0.3 | 255      | 0.8 | 364      | 1.5 | 0.43                | 3.52 | 380                            | 60                     | 32               | 0.67              | A                 |
| HUM 050Z LS | SC12CLX.2                 | 1/2   | 315                                                                           | 0.5 | 395      | 1.2 | 524      | 2.3 | 0.64                | 4.97 | 513                            | 61                     | 33               | 0.67              | A                 |
| HUM 075Z LS | SC15CLX.2                 | 3/4   | 384                                                                           | 0.6 | 483      | 1.5 | 640      | 2.8 | 0.68                | 5.07 | 589                            | 62                     | 38               | 0.69              | A                 |
| HUM 075Z LS | SC18CLX.2                 | 3/4   | 470                                                                           | 1.7 | 591      | 3.5 | 783      | 6   | 0.84                | 6.53 | 602                            | 66                     | 38               | 0.79              | B                 |
| HUM 100Z LS | SC21CL                    | 1     | 488                                                                           | 1.8 | 607      | 3.6 | 803      | 6.2 | 0.84                | 5.97 | 572                            | 68                     | 40               | 1.35              | B                 |
| HUM 125Z LS | GS26CLX                   | 1 1/4 | 565                                                                           | 2.1 | 725      | 4.3 | 981      | 7.6 | 1.15                | 7.25 | 827                            | 90                     | 41               | 1.35              | B                 |
| HUM 175Z LS | GS34CLX                   | 1 3/4 | 984                                                                           | 5.6 | 1225     | 12  | 1611     | 21  | 1.42                | 10.7 | 1305                           | 100                    | 42               | 1.35              | B                 |
| HUM 200Z LT | ZF06KQE-TFD               | 2     | 1452                                                                          | 11  | 1703     | 21  | 2093     | 35  | 2.21                | 6.5  | 1824                           | 118                    | 43               | 1.45              | C                 |
| HUM 300Z LT | ZF09KQE-TFD               | 3     | 1980                                                                          | 18  | 2303     | 32  | 2843     | 54  | 2.55                | 7.5  | 1849                           | 130                    | 45               | 1.53              | D                 |

\*MOC: Maximum operating current / MOC: Corriente máxima de operación

The rated performances refer to operation at a room temperature between 0 °C (MT) and -20 °C (NT) and an outside temperature of 35 °C. Estimated room volume according to the conditions of the calculation basis.

Los rendimientos nominales se refieren a la operación a una temperatura ambiente entre 0 °C (MT) y -20 °C (NT) y una temperatura exterior de 35 °C. Volumen estimado de la habitación según las condiciones de la base de cálculo.

## R290

| HMBP        | Compressor /<br>Compresor |     | Capaicty / Cold room volumn /<br>Capacidad / Volumen de la cámara frigorífica |    |        |    |         |    | Power /<br>Potencia | *MOC | Air flow /<br>Flujo de<br>aire | N.W. /<br>Peso<br>Neto | Noise /<br>Ruido | Charge /<br>Carga | Series /<br>Serie |
|-------------|---------------------------|-----|-------------------------------------------------------------------------------|----|--------|----|---------|----|---------------------|------|--------------------------------|------------------------|------------------|-------------------|-------------------|
|             |                           |     | Ta=0°C                                                                        |    | Ta=5°C |    | Ta=10°C |    |                     |      |                                |                        | dist.=10m        |                   |                   |
|             |                           |     | W                                                                             | m3 | W      | m3 | W       | m3 |                     |      |                                |                        | kw               |                   |                   |
| HUM 030P MS | SC10MNX                   | 1/3 | 672                                                                           | 5  | 843    | 8  | 1014    | 14 | 528                 | 3.63 | 584                            | 60                     | 29               | 0.16              | A                 |
| HUM 050P MS | SC12MNX                   | 1/2 | 873                                                                           | 7  | 1085   | 12 | 1297    | 24 | 632                 | 4.43 | 584                            | 61                     | 30               | 0.17              | A                 |
| HUM 075P MS | SC18MNX                   | 3/4 | 1311                                                                          | 14 | 1600   | 21 | 1889    | 37 | 826                 | 5.49 | 840                            | 65                     | 31               | 0.29              | B                 |
| HUM 100P MS | SCE23MNDX                 | 1   | 1653                                                                          | 19 | 2087   | 33 | 2521    | 58 | 986                 | 5.77 | 658                            | 68                     | 33               | 0.30              | B                 |

| LBP         | Compressor /<br>Compresor |      | Capaicty / Cold room volumn /<br>Capacidad / Volumen de la cámara frigorífica |     |          |     |          |     | Power /<br>Potencia | *MOC | Air flow /<br>Flujo de<br>aire | N.W. /<br>Peso<br>Neto | Noise /<br>Ruido | Charge /<br>Carga | Series /<br>Serie |
|-------------|---------------------------|------|-------------------------------------------------------------------------------|-----|----------|-----|----------|-----|---------------------|------|--------------------------------|------------------------|------------------|-------------------|-------------------|
|             |                           |      | Ta=-25°C                                                                      |     | Ta=-20°C |     | Ta=-15°C |     |                     |      |                                |                        | dist.=10m        |                   |                   |
| Code        | Model                     | Hp   | W                                                                             | m3  | W        | m3  | W        | m3  | kw                  | A    | m3/h                           | kg                     | dB(A)            | kg                |                   |
| HUM 075P LS | SC12CNX                   | 3/4  | 267                                                                           | 0.7 | 338      | 1.5 | 426      | 3.2 | 434                 | 2.94 | 719                            | 62                     | 30               | 0.16              | A                 |
| HUM 075P LS | SC15CNX                   | 3/4  | 322                                                                           | 1.2 | 422      | 3.2 | 547      | 5.5 | 496                 | 3.53 | 719                            | 62                     | 30               | 0.17              | A                 |
| HUM 125P LS | SCE25LNDX                 | 11/4 | 722                                                                           | 4   | 887      | 8   | 1093     | 15  | 758                 | 5.53 | 798                            | 68                     | 31               | 0.30              | B                 |

\*MOC: Maximum operating current / MOC: Corriente máxima de operación

The rated performances refer to operation at a room temperature between 0 °C (MT) and -20 °C (NT) and an outside temperature of 35 °C. Estimated room volume according to the conditions of the calculation basis.

Los rendimientos nominales se refieren a la operación a una temperatura ambiente entre 0 °C (MT) y -20 °C (NT) y una temperatura exterior de 35 °C. Volumen estimado de la habitación según las condiciones de la base de cálculo.

## AVAILABLE OPTIONS FOR HCVD SERIES



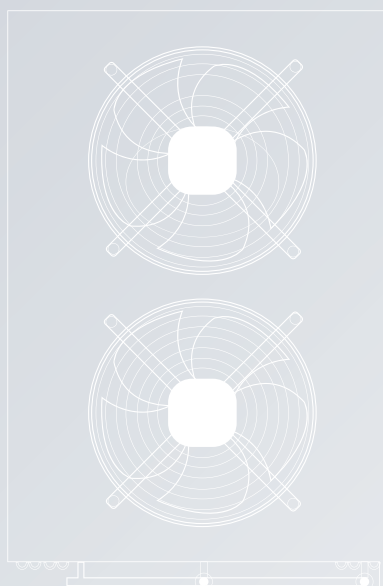
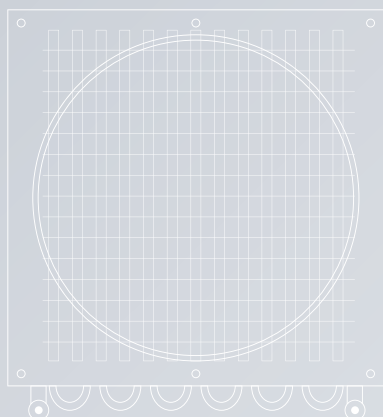
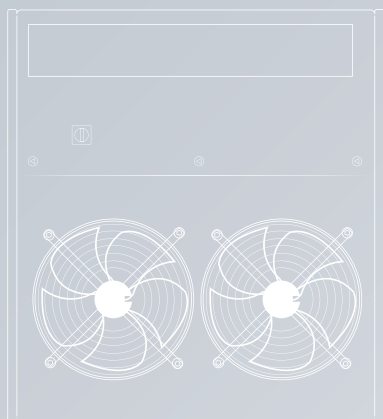
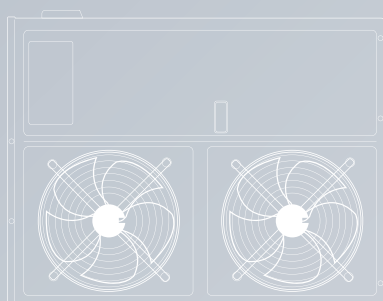
### Fan options:

- EC Fans



### Coil protection options:

- Aluminium fins
- Fins with GOLDFIN anti-corrosion high resistance coating



## OPCIONES DISPONIBLES PARA LA SERIE HCVD



### Fan options:

- Ventiladores EC



### Coil protection options:

- Aleta de aluminio
- Aleta con tratamiento GOLDFIN con anticorrosión de alta resistencia

## Business Scope

### Ámbito de Negocio



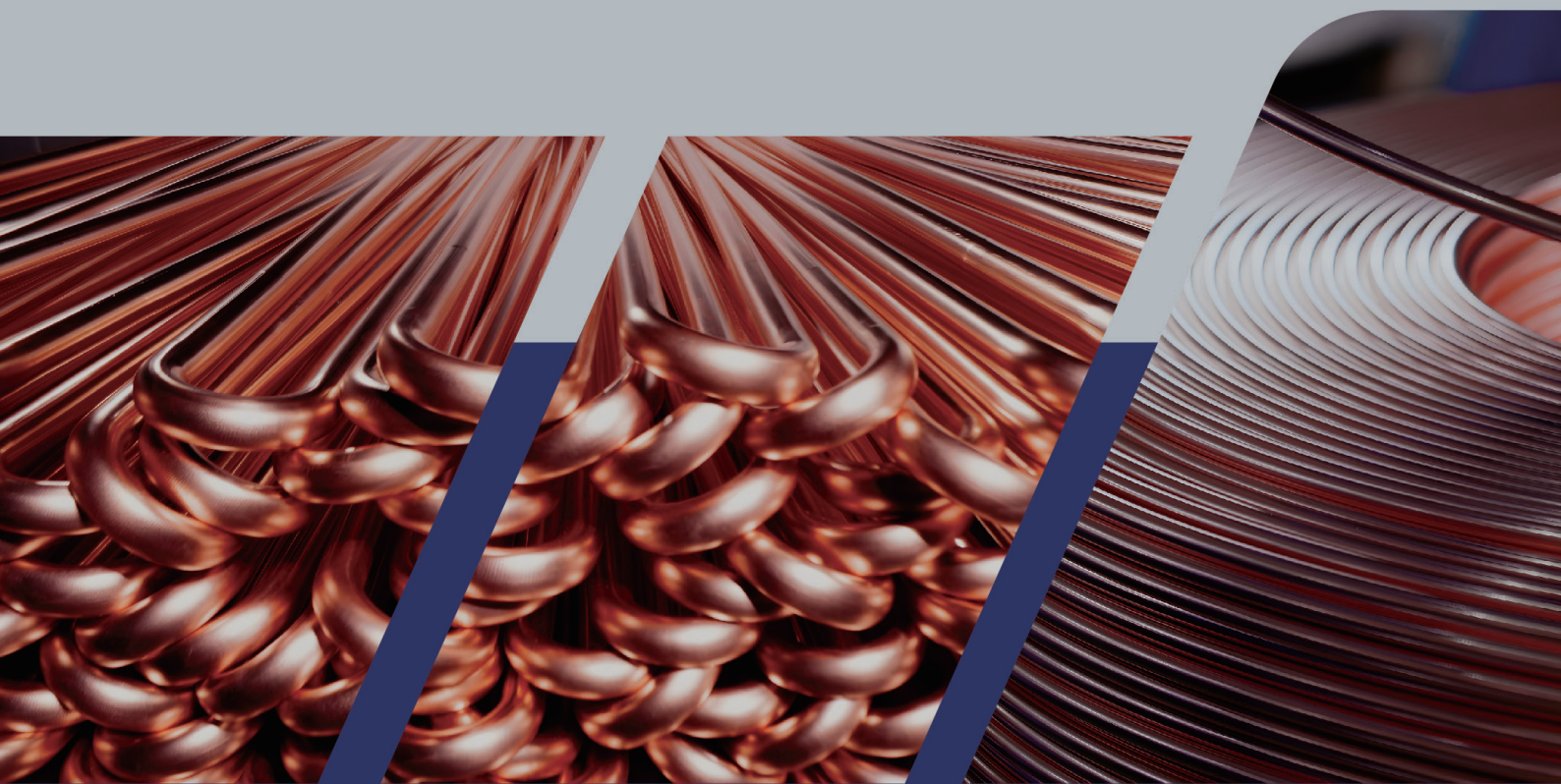
China | Chile | Israel | Spain | Colombia | Australia | Mexico | Thailand | United Kingdom | North Macedonia | New Zealand | Algeria | Ukraine | Malaysia | Poland | Peru | Uruguay | Russia | Hungary | Panama | Bulgaria | India | Ecuador | USA | Yemen | France | Malta | Saudi Arabia | Gabon | El Salvador | Lebanon | Turkey | Dominican Republic | Argentina | Syria | Italy | Venezuela | Singapore | Madagascar | Dubai | Uzbekistan | Costa Rica | Philippines | Honduras | Cyprus | Taiwan, China | Ghana | Jordan | Maldives | Qatar | Belgium

China | Chile | Israel | España | Colombia | Australia | México | Tailandia | Reino Unido | Macedonia del Norte | Nueva Zelanda | Argelia | Ucrania | Malasia | Polonia | Perú | Uruguay | Rusia | Hungría | Panamá | Bulgaria | India | Ecuador | EE.UU | Yemen | Francia | Malta | Arabia Saudita | Gabón | El Salvador | Líbano | Turquía | República Dominicana | Argentina | Siria | Italia | Venezuela | Singapur | Madagascar | Dubái | Uzbekistán | Costa Rica | Filipinas | Honduras | Chipre | Taiwán, China | Ghana | Jordania | Maldivas | Catar | Bélgica









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