



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return
- Maximum Evaporating Temperature
- Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

| Ambient °C | Cooling Capacity, kW | | | | | | | |
|---------------|----------------------|-------|-------|-------|-------|-------|-------|-------|
| | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 15.70 | 19.75 | 24.30 | 29.40 | 35.00 | 41.00 | 43.50 | 47.40 |
| 32.0 | 14.70 | 18.50 | 22.80 | 27.60 | 32.80 | 38.50 | 40.80 | 44.50 |
| 38.0 | 13.50 | 17.05 | 21.10 | 25.50 | 30.30 | 35.40 | 37.60 | 40.90 |
| 43.0 | 12.50 | 15.85 | 19.55 | 23.70 | 28.10 | 32.90 | 34.80 | 37.90 |
| 46.0 | 11.90 | 15.15 | 18.70 | 22.60 | 26.80 | 31.30 | 33.20 | 36.10 |
| 49.0 | | 14.40 | 17.80 | 21.50 | 25.50 | 29.80 | 31.60 | 34.30 |

50 Hz

V6-4ML-15

R134a

| Ambient °C | Total Power Input, kW | | | | | | | |
|---------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|
| | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 7.48 | 8.40 | 9.36 | 10.35 | 11.40 | 12.55 | 13.00 | 13.70 |
| 32.0 | 7.72 | 8.72 | 9.77 | 10.85 | 12.00 | 13.20 | 13.70 | 14.45 |
| 38.0 | 7.97 | 9.07 | 10.20 | 11.40 | 12.65 | 13.95 | 14.50 | 15.30 |
| 43.0 | 8.15 | 9.33 | 10.55 | 11.85 | 13.15 | 14.55 | 15.10 | 15.95 |
| 46.0 | 8.25 | 9.47 | 10.75 | 12.10 | 13.45 | 14.90 | 15.45 | 16.35 |
| 49.0 | | 9.61 | 10.95 | 12.30 | 13.75 | 15.20 | 15.85 | 16.75 |

| Ambient °C | Current at 400 V, A | | | | | | | |
|---------------|---------------------|-------|-------|-------|-------|-------|-------|-------|
| | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 15.01 | 16.02 | 17.14 | 18.39 | 19.75 | 21.24 | 21.86 | 22.84 |
| 32.0 | 15.27 | 16.39 | 17.64 | 19.02 | 20.52 | 22.14 | 22.83 | 23.89 |
| 38.0 | 15.55 | 16.80 | 18.20 | 19.74 | 21.40 | 23.20 | 23.95 | 25.12 |
| 43.0 | 15.76 | 17.12 | 18.64 | 20.31 | 22.11 | 24.05 | 24.86 | 26.12 |
| 46.0 | 15.87 | 17.30 | 18.89 | 20.64 | 22.52 | 24.55 | 25.39 | 26.70 |
| 49.0 | | 17.46 | 19.13 | 20.95 | 22.92 | 25.03 | 25.91 | 27.27 |

| Ambient °C | Mass Flow, g/s | | | | | | | |
|---------------|----------------|--------|--------|--------|--------|--------|--------|--------|
| | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 93.90 | 120.50 | 152.50 | 189.50 | 233.00 | 285.00 | 307.00 | 344.00 |
| 32.0 | 91.70 | 118.00 | 149.50 | 186.50 | 229.00 | 280.00 | 302.00 | 338.00 |
| 38.0 | 88.90 | 115.00 | 146.00 | 182.00 | 224.00 | 273.00 | 295.00 | 331.00 |
| 43.0 | 86.50 | 112.50 | 142.50 | 178.00 | 219.00 | 268.00 | 289.00 | 325.00 |
| 46.0 | 85.10 | 110.50 | 140.50 | 175.50 | 217.00 | 264.00 | 286.00 | 320.00 |
| 49.0 | | 109.00 | 138.50 | 173.00 | 213.00 | 261.00 | 282.00 | 316.00 |

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|-----------------|
| Condenser/Fan Type | V6/611 |
| Number of Fans | 2 |
| Total Fan Power Input, W | 800 |
| Depth/Width, mm | 955/1289 |
| Height, mm | 835 |
| Base mounting (hole dia), mm | 1146 x 520 (14) |
| Gross Weight, kg | 383 |
| Net Weight, kg | 303 |
| Receiver Capacity, l | 18.9 |
| Liquid Line, inch | 7/8 |
| Air Flow, m ³ /s | 2.97 |
| High Side PS gauge, bar | 31 |
| Low Side PS gauge, bar | 22.5 |
| Suction Type | Fixed Valve |
| Suction Diameter, inch | 1 5/8 |
| Sound Pressure @ 10m, dBA | 57 |

CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

| | |
|--|-------------|
| Condenser Fan Current for 1 fan (single phase) | 1.85 / 2.25 |
| Compressor Maximum Operating Current, A | 35.4 |
| Compressor Locked Rotor Current, A | 156 |

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

MOTOR OPTIONS

| Motor Code | Power Supply | Nominal Voltage, V | Start Connection | DOL Connection | Amps Factor |
|-------------------|------------------------|---------------------------|-------------------------|-----------------------|--------------------|
| AWM | 380-420 V / 3~ / 50 Hz | 400 | YY/Y | Y | 1.00 |