



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Ambient °C | Cooling Capacity, kW | | | | | | | |
|---------------|----------------------|-------|-------|-------|-------|-------|-------|-------|
| | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 27.0 | | 12.20 | 15.25 | 18.60 | 22.30 | 26.30 | 30.60 | 32.50 |
| 32.0 | | | 14.20 | 17.40 | 20.90 | 24.80 | 28.90 | 30.60 |
| 38.0 | | | | 15.85 | 19.20 | 22.80 | 26.70 | 28.30 |
| 43.0 | | | | | 17.65 | 21.10 | 24.70 | 26.20 |
| 46.0 | | | | | | 19.95 | | |
| 49.0 | | | | | | | | |

50 Hz

MC-V6-ZB76KE-TFD

R449A Dew Point

| Ambient °C | Total Power Input, kW | | | | | | | |
|---------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|
| | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 27.0 | | 6.74 | 6.97 | 7.24 | 7.58 | 7.98 | 8.46 | 8.67 |
| 32.0 | | | 7.73 | 8.03 | 8.38 | 8.79 | 9.28 | 9.50 |
| 38.0 | | | | 9.03 | 9.41 | 9.85 | 10.35 | 10.60 |
| 43.0 | | | | | 10.30 | 10.80 | 11.30 | 11.55 |
| 46.0 | | | | | | 11.40 | | |
| 49.0 | | | | | | | | |

| Ambient °C | Current at 400 V, A | | | | | | | |
|---------------|---------------------|-------|-------|-------|-------|-------|-------|-------|
| | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 27.0 | | 12.82 | 13.07 | 13.35 | 13.69 | 14.10 | 14.61 | 14.85 |
| 32.0 | | | 13.82 | 14.15 | 14.53 | 14.99 | 15.54 | 15.80 |
| 38.0 | | | | 15.22 | 15.68 | 16.22 | 16.86 | 17.15 |
| 43.0 | | | | | 16.78 | 17.42 | 18.15 | 18.48 |
| 46.0 | | | | | | 18.22 | | |
| 49.0 | | | | | | | | |

| Ambient °C | Mass Flow, g/s | | | | | | | |
|---------------|----------------|-------|-------|--------|--------|--------|--------|--------|
| | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 27.0 | | 69.40 | 88.30 | 110.00 | 135.50 | 165.00 | 199.50 | 215.00 |
| 32.0 | | | 86.30 | 108.50 | 134.00 | 163.50 | 198.50 | 214.00 |
| 38.0 | | | | 105.50 | 131.50 | 161.50 | 196.50 | 212.00 |
| 43.0 | | | | | 128.00 | 158.50 | 194.50 | 211.00 |
| 46.0 | | | | | | 156.50 | | |
| 49.0 | | | | | | | | |

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|-----------------|
| Condenser/Fan Type | V6/611 |
| Number of Fans | 2 |
| Total Fan Power Input, W | 800 |
| Depth/Width, mm | 820/1330 |
| Height, mm | 835 |
| Base mounting (hole dia), mm | 1295 x 475 (14) |
| Gross Weight, kg | 184 |
| Net Weight, kg | 168 |
| Receiver Capacity, l | 15.8 |
| Liquid Line, inch | 3/4 |
| Air Flow, m ³ /s | 2.97 |
| Suction Type | Rotalock Valve |
| Suction Diameter, inch | 1 3/8 |
| Sound Pressure @ 10m, dBA | 55 |

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 | 20.4 |
| Compressor Locked Rotor Current, A | 118 |

ACCESSORIES INCLUDED

| | |
|------------------------------|----------------|
| Crankcase Heater | 70 W External |
| Electric box (W x H x D), mm | 140 x 205 x 60 |
| HP/LP Switch | ALCO PS2-W7A |

ACCESSORIES OPTIONAL

| | |
|-------------------|-------------|
| Housing | V |
| Fan speed control | ALCO FSP150 |

MOTOR OPTIONS

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