



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature
- - - Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Ambient °C | Cooling Capacity, kW | | | | | | | | | |
|---------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -50.0 | -45.0 | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0 | | | 19.25 | 24.60 | 30.70 | 37.60 | 45.30 | 53.70 | 62.90 | 72.70 |
| 32.0 | | | | 22.60 | 28.30 | 34.60 | 41.60 | 49.30 | 57.70 | 66.80 |
| 38.0 | | | | 20.20 | 25.30 | 30.90 | 37.20 | 44.00 | 51.50 | |
| 43.0 | | | | | 22.70 | 27.80 | 33.40 | 39.60 | 46.40 | |
| 46.0 | | | | | 21.20 | 25.90 | 31.20 | 37.00 | 43.30 | |
| 49.0 | | | | | | 24.00 | 28.90 | 34.30 | | |

50 Hz

Z9-6MM-30

R404A Dew Point

| Ambient °C | Total Power Input, kW | | | | | | | | | |
|---------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -50.0 | -45.0 | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0 | | | 14.85 | 17.10 | 19.40 | 21.80 | 24.40 | 27.00 | 29.80 | 32.80 |
| 32.0 | | | | 17.50 | 20.00 | 22.60 | 25.30 | 28.20 | 31.20 | 34.30 |
| 38.0 | | | | 17.75 | 20.50 | 23.40 | 26.30 | 29.40 | 32.60 | |
| 43.0 | | | | | 20.80 | 23.80 | 27.00 | 30.30 | 33.70 | |
| 46.0 | | | | | 20.90 | 24.00 | 27.30 | 30.70 | 34.30 | |
| 49.0 | | | | | | 24.20 | 27.60 | 31.10 | | |

| Ambient °C | Current at 400 V, A | | | | | | | | | |
|---------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -50.0 | -45.0 | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0 | | | 28.23 | 30.91 | 33.95 | 37.31 | 40.99 | 44.97 | 49.26 | 53.86 |
| 32.0 | | | | 31.32 | 34.59 | 38.21 | 42.18 | 46.47 | 51.09 | 56.04 |
| 38.0 | | | | 31.65 | 35.18 | 39.11 | 43.42 | 48.09 | 53.10 | |
| 43.0 | | | | | 35.52 | 39.70 | 44.29 | 49.26 | 54.60 | |
| 46.0 | | | | | 35.65 | 39.98 | 44.74 | 49.89 | 55.42 | |
| 49.0 | | | | | | 40.21 | 45.13 | 50.46 | | |

| Ambient °C | Mass Flow, g/s | | | | | | | | | |
|---------------|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| | -50.0 | -45.0 | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0 | | | 135.00 | 176.50 | 226.00 | 284.00 | 354.00 | 437.00 | 536.00 | 654.00 |
| 32.0 | | | | 171.50 | 220.00 | 278.00 | 346.00 | 428.00 | 525.00 | 643.00 |
| 38.0 | | | | 165.00 | 212.00 | 268.00 | 335.00 | 416.00 | 513.00 | |
| 43.0 | | | | | 205.00 | 260.00 | 326.00 | 406.00 | 504.00 | |
| 46.0 | | | | | 200.00 | 255.00 | 320.00 | 400.00 | 499.00 | |
| 49.0 | | | | | | 250.00 | 315.00 | 395.00 | | |

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|---------------|
| Condenser/Fan Type | Z9/611 |
| Number of Fans | 4 |
| Total Fan Power Input, W | 1600 |
| Depth/Width, mm | 1130/1600 |
| Height, mm | 1263 |
| Base mounting (hole dia), mm | 1435x515 (18) |
| Gross Weight, kg | 575 |
| Net Weight, kg | 410 |
| Receiver Capacity, l | 18.9 |
| Liquid Line, inch | 7/8 |
| Air Flow, m ³ /s | 5.41 |
| High Side PS gauge, bar | 31 |
| Low Side PS gauge, bar | 22.5 |
| Suction Type | Fixed Valve |
| Suction Diameter, inch | 2 1/8 |
| Sound Pressure @ 10m, dBA | 59 |

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 | 59.7 |
| Compressor Locked Rotor Current, A | 255 |

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 |
| EWK | 220-240 V / 3~ / 60 Hz | 230 | Y/DELTA | DELTA | 2.10 |
| EWK | 380-420 V / 3~ / 60 Hz | 380 | | Y | 1.20 |
| AWD | 440-480 V / 3~ / 60 Hz | 460 | YY/Y | Y | 1.00 |