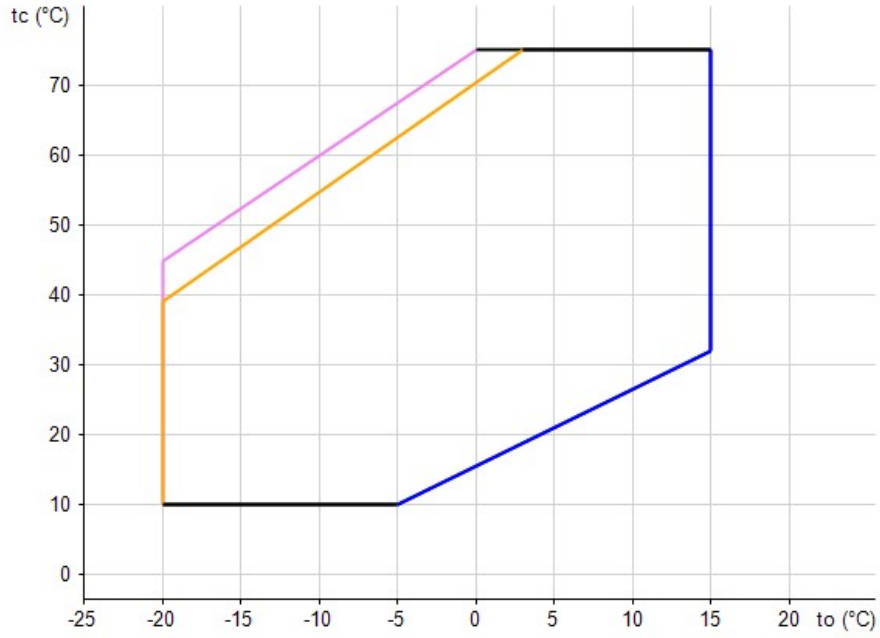



Minimum Evaporating Temp. With:

10 K Suction Superheat — 20 °C Suction Gas Return

Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Superheat 10.0K Liquid Subcooling 2.0K

Evaporating Temperature, °C

| Ambient | Cooling Capacity, kW | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 |
| 27.0 | 3.13 | 3.93 | 4.87 | 5.98 | 7.27 | 8.74 | 9.38 | 10.40 | 11.30 | 12.30 |
| 32.0 | 2.94 | 3.71 | 4.61 | 5.67 | 6.90 | 8.31 | 8.92 | 9.91 | 10.80 | 11.70 |
| 38.0 | 2.72 | 3.44 | 4.30 | 5.29 | 6.45 | 7.78 | 8.36 | 9.29 | 10.10 | 11.00 |
| 43.0 | | 3.22 | 4.03 | 4.98 | 6.07 | 7.34 | 7.89 | 8.78 | 9.56 | 10.40 |
| 46.0 | | 3.09 | 3.87 | 4.78 | 5.84 | 7.07 | 7.60 | 8.46 | 9.23 | 10.05 |
| 49.0 | | | 3.70 | 4.59 | 5.61 | 6.80 | 7.31 | 8.15 | 8.89 | 9.67 |

| Ambient | Total Power Input, kW | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 |
| 27.0 | 1.60 | 1.67 | 1.74 | 1.82 | 1.90 | 2.00 | 2.04 | 2.10 | 2.15 | 2.21 |
| 32.0 | 1.71 | 1.79 | 1.88 | 1.96 | 2.06 | 2.16 | 2.21 | 2.28 | 2.34 | 2.40 |
| 38.0 | 1.86 | 1.95 | 2.05 | 2.15 | 2.26 | 2.38 | 2.43 | 2.50 | 2.57 | 2.64 |
| 43.0 | | 2.09 | 2.20 | 2.32 | 2.44 | 2.57 | 2.62 | 2.71 | 2.78 | 2.86 |
| 46.0 | | 2.18 | 2.30 | 2.42 | 2.55 | 2.69 | 2.75 | 2.84 | 2.92 | 3.00 |
| 49.0 | | | 2.40 | 2.53 | 2.67 | 2.82 | 2.88 | 2.97 | 3.06 | 3.15 |

| Ambient | Current at 400 V, A | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 |
| 27.0 | 5.13 | 5.18 | 5.23 | 5.28 | 5.34 | 5.41 | 5.44 | 5.48 | 5.53 | 5.57 |
| 32.0 | 5.20 | 5.26 | 5.32 | 5.38 | 5.45 | 5.53 | 5.57 | 5.62 | 5.67 | 5.73 |
| 38.0 | 5.30 | 5.37 | 5.44 | 5.52 | 5.61 | 5.71 | 5.75 | 5.81 | 5.87 | 5.94 |
| 43.0 | | 5.48 | 5.56 | 5.66 | 5.76 | 5.87 | 5.92 | 5.99 | 6.06 | 6.14 |
| 46.0 | | 5.55 | 5.64 | 5.74 | 5.85 | 5.98 | 6.03 | 6.11 | 6.19 | 6.27 |
| 49.0 | | | 5.73 | 5.84 | 5.96 | 6.09 | 6.15 | 6.24 | 6.32 | 6.40 |

| Ambient | Mass Flow, g/s | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 |
| 27.0 | 22.00 | 27.20 | 33.20 | 40.30 | 48.40 | 57.70 | 61.80 | 68.30 | 74.10 | 80.20 |
| 32.0 | 21.80 | 27.00 | 33.00 | 40.10 | 48.20 | 57.50 | 61.50 | 68.00 | 73.80 | 80.00 |
| 38.0 | 21.50 | 26.70 | 32.80 | 39.80 | 47.90 | 57.20 | 61.30 | 67.80 | 73.60 | 79.70 |
| 43.0 | | 26.50 | 32.60 | 39.60 | 47.70 | 56.90 | 61.00 | 67.50 | 73.30 | 79.50 |
| 46.0 | | 26.40 | 32.40 | 39.40 | 47.50 | 56.80 | 60.80 | 67.40 | 73.20 | 79.40 |
| 49.0 | | | 32.30 | 39.30 | 47.30 | 56.60 | 60.70 | 67.20 | 73.10 | 79.30 |

## *CONDENSING UNIT MECHANICAL AND PHYSICAL DATA*

| | |
|---|---|
| Condenser/Fan Type | 066-0546-00_1_a/A6E450-AF13-16 |
| Base mounting (hole dia), mm | 580 x 388 (15) |
| Number of Fans | 2 |
| Air Flow, m³/s | 1.98 |
| Total Fan Power Input, W | 242 |
| Height, mm | 1244 |
| Depth/Width, mm | 1035/447 |
| Suction Diameter, inch | 7/8 |
| Liquid Line, inch | 1/2 |
| Suction Type | Cu Tube |
| High Side PS gauge, bar | 31 |
| Receiver Capacity, l | 5.9 |
| Low Side PS gauge, bar | 22 |
| Net Weight, kg | 108 |
| Sound Pressure @ 10m (MT), dBA | 40 |
| Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed) | -10.0/45.0/20.0 °C at 50 Hz |
| PED Category | I (A1) and II (A2L) |

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

| | |
|---|---|
| Compressor Maximum Operating Current, A | 10.1 |
| Compressor Locked Rotor Current, A | 64 |

## *ACCESSORIES INCLUDED*

| | |
|---|---|
| Crankcase Heater | 40 W External |
| Liquid sight glass | ALCO MIA 012 |
| Compressor contactor | 12 A |
| HP Switch | PS4-W1 22X31 |
| Electronic controller | Emerson XCM25D |
| Filter Drier | ALCO ADK Plus |

## *ACCESSORIES OPTIONAL*

## *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 |