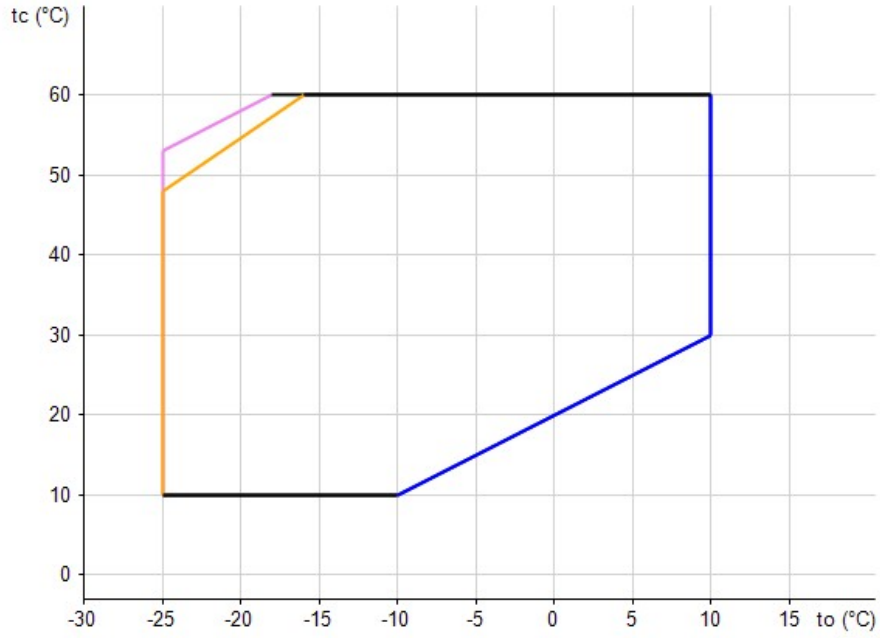



Minimum Evaporating Temp. With:

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 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 4.82 | 6.00 | 7.35 | 8.89 | 10.60 | 12.55 | 14.70 | 15.60 | 17.00 |
| 32.0 | 4.50 | 5.61 | 6.88 | 8.33 | 9.97 | 11.80 | 13.80 | 14.65 | 16.00 |
| 38.0 | 4.12 | 5.14 | 6.31 | 7.65 | 9.15 | 10.85 | 12.70 | 13.50 | 14.70 |
| 43.0 | 3.79 | 4.74 | 5.82 | 7.06 | 8.46 | 10.00 | | | |
| 46.0 | | 4.49 | 5.52 | 6.70 | 8.03 | | | | |
| 49.0 | | 4.24 | 5.22 | | | | | | |

| Ambient | Total Power Input, kW | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| °C | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 2.94 | 3.13 | 3.33 | 3.55 | 3.79 | 4.04 | 4.33 | 4.46 | 4.67 |
| 32.0 | 3.16 | 3.36 | 3.58 | 3.82 | 4.08 | 4.36 | 4.69 | 4.83 | 5.05 |
| 38.0 | 3.43 | 3.66 | 3.90 | 4.17 | 4.46 | 4.78 | 5.15 | 5.31 | 5.56 |
| 43.0 | 3.66 | 3.91 | 4.18 | 4.48 | 4.80 | 5.16 | | | |
| 46.0 | | 4.07 | 4.35 | 4.67 | 5.01 | | | | |
| 49.0 | | 4.22 | 4.53 | | | | | | |

| Ambient | Current at 400 V, A | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| °C | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 6.30 | 6.47 | 6.67 | 6.89 | 7.14 | 7.43 | 7.77 | 7.92 | 8.16 |
| 32.0 | 6.50 | 6.70 | 6.92 | 7.18 | 7.47 | 7.80 | 8.19 | 8.36 | 8.64 |
| 38.0 | 6.77 | 7.00 | 7.27 | 7.57 | 7.91 | 8.30 | 8.75 | 8.95 | 9.28 |
| 43.0 | 7.00 | 7.28 | 7.58 | 7.93 | 8.32 | 8.77 | | | |
| 46.0 | | 7.45 | 7.79 | 8.17 | 8.59 | | | | |
| 49.0 | | 7.63 | 8.00 | | | | | | |

| Ambient | Mass Flow, g/s | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| °C | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | 33.90 | 41.80 | 51.00 | 61.60 | 73.80 | 87.60 | 103.50 | 110.00 | 121.00 |
| 32.0 | 33.50 | 41.40 | 50.50 | 61.10 | 73.10 | 86.90 | 102.50 | 109.50 | 120.50 |
| 38.0 | 33.00 | 40.90 | 49.90 | 60.30 | 72.30 | 86.00 | 101.50 | 108.50 | 119.50 |
| 43.0 | 32.60 | 40.40 | 49.30 | 59.60 | 71.50 | 85.20 | | | |
| 46.0 | | 40.00 | 48.90 | 59.20 | 71.10 | | | | |
| 49.0 | | 39.70 | 48.60 | | | | | | |

## *CONDENSING UNIT MECHANICAL AND PHYSICAL DATA*

| | |
|---|---|
| Condenser/Fan Type | 066-0546-00_1_b/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 | 112 |
| 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 | 11.8 |
| Compressor Locked Rotor Current, A | 74 |

## *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 |