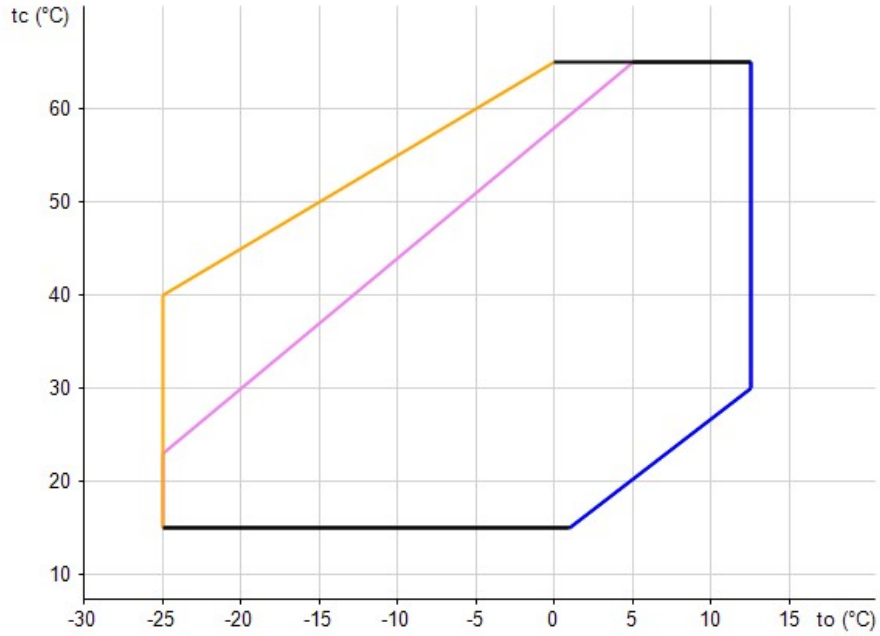



Minimum Evaporating Temp. With:

25 °C Suction Gas Return | 10 K Suction Superheat

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 | 12.5 |
| 27.0 | 1.58 | 2.03 | 2.57 | 3.19 | 3.91 | 4.72 | 5.63 | 6.02 | 6.64 | 7.18 |
| 32.0 | 1.48 | 1.92 | 2.43 | 3.02 | 3.70 | 4.47 | 5.33 | 5.70 | 6.28 | 6.80 |
| 38.0 | | 1.78 | 2.25 | 2.80 | 3.43 | 4.15 | 4.95 | 5.30 | 5.84 | 6.32 |
| 43.0 | | | | 2.61 | 3.20 | 3.87 | 4.62 | 4.94 | 5.46 | 5.90 |
| 46.0 | | | | 2.49 | 3.05 | 3.69 | 4.41 | 4.72 | 5.22 | 5.65 |
| 49.0 | | | | | 2.90 | 3.51 | 4.20 | 4.50 | 4.97 | |

| Ambient | Total Power Input, kW | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 |
| 27.0 | 1.07 | 1.12 | 1.19 | 1.26 | 1.33 | 1.40 | 1.49 | 1.52 | 1.58 | 1.62 |
| 32.0 | 1.17 | 1.24 | 1.30 | 1.37 | 1.44 | 1.53 | 1.62 | 1.65 | 1.70 | 1.75 |
| 38.0 | | 1.38 | 1.46 | 1.53 | 1.61 | 1.70 | 1.79 | 1.82 | 1.88 | 1.94 |
| 43.0 | | | | 1.69 | 1.77 | 1.86 | 1.96 | 2.00 | 2.05 | 2.11 |
| 46.0 | | | | 1.80 | 1.88 | 1.97 | 2.07 | 2.11 | 2.17 | 2.22 |
| 49.0 | | | | | 2.00 | 2.09 | 2.19 | 2.23 | 2.29 | |

| 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 | 12.5 |
| 27.0 | 2.35 | 2.40 | 2.45 | 2.51 | 2.59 | 2.66 | 2.75 | 2.79 | 2.85 | 2.90 |
| 32.0 | 2.43 | 2.49 | 2.56 | 2.63 | 2.71 | 2.80 | 2.89 | 2.93 | 3.00 | 3.06 |
| 38.0 | | 2.64 | 2.72 | 2.80 | 2.89 | 2.99 | 3.10 | 3.15 | 3.22 | 3.28 |
| 43.0 | | | | 2.98 | 3.08 | 3.19 | 3.31 | 3.36 | 3.44 | 3.51 |
| 46.0 | | | | 3.11 | 3.21 | 3.33 | 3.45 | 3.51 | 3.59 | 3.66 |
| 49.0 | | | | | 3.36 | 3.48 | 3.61 | 3.67 | 3.75 | |

| Ambient | Mass Flow, g/s | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 |
| 27.0 | 9.59 | 12.25 | 15.40 | 19.15 | 23.40 | 28.40 | 34.00 | 36.50 | 40.40 | 43.90 |
| 32.0 | 9.49 | 12.15 | 15.30 | 19.00 | 23.30 | 28.20 | 33.80 | 36.20 | 40.20 | 43.70 |
| 38.0 | | 12.00 | 15.15 | 18.75 | 23.00 | 27.80 | 33.40 | 35.90 | 39.80 | 43.30 |
| 43.0 | | | | 18.55 | 22.70 | 27.50 | 33.10 | 35.50 | 39.40 | 42.90 |
| 46.0 | | | | 18.40 | 22.50 | 27.30 | 32.80 | 35.20 | 39.10 | 42.60 |
| 49.0 | | | | | 22.30 | 27.10 | 32.60 | 35.00 | 38.90 | |

## *CONDENSING UNIT MECHANICAL AND PHYSICAL DATA*

| | |
|---|---|
| Condenser/Fan Type | 066-0545-00_2/A6E450-AF13-16 |
| Base mounting (hole dia), mm | 580 x 388 (15) |
| Number of Fans | 1 |
| Air Flow, m³/s | 1 |
| Total Fan Power Input, W | 121 |
| Height, mm | 840 |
| Depth/Width, mm | 1035/446 |
| Suction Diameter, inch | 3/4 |
| Liquid Line, inch | 1/2 |
| Suction Type | Cu Tube |
| High Side PS gauge, bar | 31 |
| Receiver Capacity, l | 3.9 |
| Low Side PS gauge, bar | 22 |
| Net Weight, kg | 76 |
| Sound Pressure @ 10m (MT), dBA | 36 |
| 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 | 4.2 |
| Compressor Locked Rotor Current, A | 26 |

## *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 |