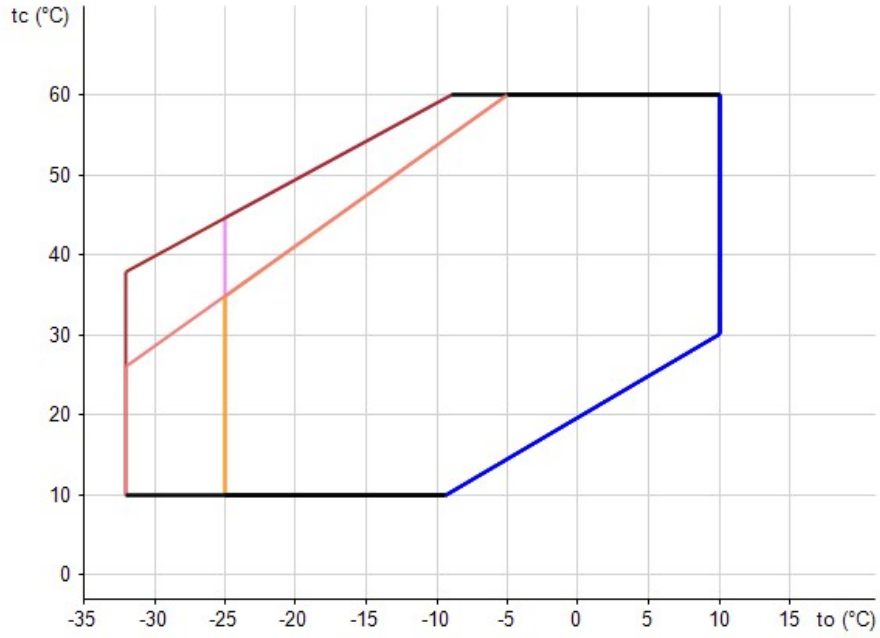


Minimum Evaporating Temp. With:

10 K Suction Superheat
20 °C Suction Gas Return
10 K Suction Superheat OEM envelope
20 °C Suction Gas Return OEM envelope
Maximum Evaporating Temperature
Maximum Pressure Limit

Suction Superheat 10.0K Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Ambient | Cooling Capacity, kW | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | | | 2.12 | 2.54 | 3.00 | 3.52 | 4.11 | 4.76 | 5.04 | 5.48 |
| 32.0 | | | | 2.38 | 2.82 | 3.30 | 3.84 | 4.45 | 4.71 | 5.13 |
| 38.0 | | | | | 2.59 | 3.03 | 3.52 | 4.08 | | |
| 43.0 | | | | | | 2.80 | | | | |
| 46.0 | | | | | | | | | | |
| 49.0 | | | | | | | | | | |

| Ambient | Total Power Input, kW | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | | | 1.25 | 1.32 | 1.40 | 1.50 | 1.61 | 1.74 | 1.80 | 1.90 |
| 32.0 | | | | 1.45 | 1.54 | 1.64 | 1.76 | 1.90 | 1.96 | 2.07 |
| 38.0 | | | | | 1.72 | 1.83 | 1.96 | 2.11 | | |
| 43.0 | | | | | | 2.00 | | | | |
| 46.0 | | | | | | | | | | |
| 49.0 | | | | | | | | | | |

| Ambient | Current at 230 V, A | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | | | 5.06 | 5.42 | 5.78 | 6.19 | 6.68 | 7.26 | 7.54 | 7.99 |
| 32.0 | | | | 5.96 | 6.37 | 6.82 | 7.34 | 7.97 | 8.26 | 8.74 |
| 38.0 | | | | | 7.16 | 7.66 | 8.23 | 8.91 | | |
| 43.0 | | | | | | 8.42 | | | | |
| 46.0 | | | | | | | | | | |
| 49.0 | | | | | | | | | | |

| Ambient | Mass Flow, g/s | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 |
| 27.0 | | | 11.20 | 13.70 | 16.65 | 20.10 | 24.30 | 29.40 | 31.80 | 35.80 |
| 32.0 | | | | 13.50 | 16.35 | 19.75 | 23.90 | 29.00 | 31.40 | 35.40 |
| 38.0 | | | | | 16.00 | 19.35 | 23.40 | 28.50 | | |
| 43.0 | | | | | | 19.00 | | | | |
| 46.0 | | | | | | | | | | |
| 49.0 | | | | | | | | | | |

## CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

| | |
|---|---|
| Condenser/Fan Type | ZX018E/YDK50-6 |
| Number of Fans | 1 |
| Total Fan Power Input, W | 106 |
| Depth/Width, mm | 846/322 |
| Height, mm | 605 |
| Base mounting (hole dia), mm | 564 x 323 (12) |
| Net Weight, kg | 56 |
| Receiver Capacity, l | 1.8 |
| Liquid Line, inch | 3/8 |
| Air Flow, m³/s | 0.66 |
| High Side PS gauge, bar | 31 |
| Low Side PS gauge, bar | 21.6 |
| Suction Type | Cu Tube |
| Suction Diameter, inch | 1/2 |
| Sound Pressure @ 10m (MT), dBA | 38 |
| Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed) | -10.0/45.0/20.0 °C at 50 Hz |

## CONDENSING UNIT ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

| | |
|---|---|
| Compressor Maximum Operating Current, A | 9.9 |
| Compressor Locked Rotor Current, A | 54 |

## ACCESSORIES INCLUDED

| | |
|---|---|
| Crankcase Heater | 40 W External |
| Discharge Temperature Protection | Discharge Line Thermostat |
| Liquid sight glass | ALCO MIA 012 |
| Compressor contactor | 12 A |
| Control circuit fuse | 12 A 10x38 |
| Fan speed control | ALCO FSY42S |
| HP Switch | PS4-W1 21X28 |
| Filter Drier | ALCO ADK Plus |
| LP Adjustable Pressure Switch | Alco PS1-W3A |

## ACCESSORIES OPTIONAL

## MOTOR OPTIONS

| Motor Code | Power Supply | Nominal Voltage, V | Start Connection | DOL Connection | Amps Factor |
|---|---|---|---|---|---|
| PFJ | 220-240 V / 1~ / 50 Hz | 230 | | PSC | 1.00 |