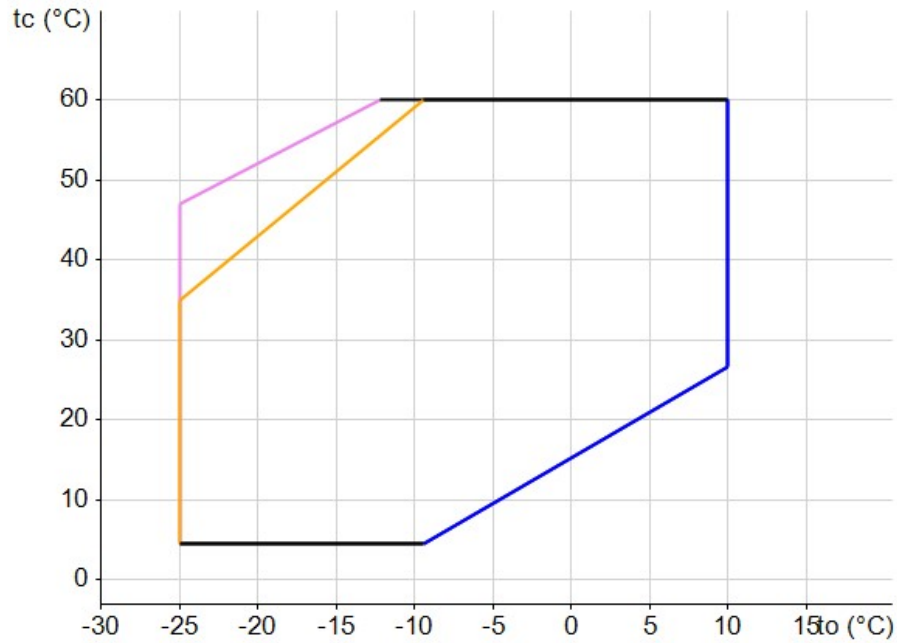




Minimum Evaporating Temp. With:

- 10 K Suction Superheat      — 20 °C Suction Gas Return
- Maximum Evaporating Temperature      — Maximum Pressure Limit

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Ambient<br>°C | Cooling Capacity, kW |       |       |       |      |      |      |      |       |
|---------------|----------------------|-------|-------|-------|------|------|------|------|-------|
|               | -25.0                | -20.0 | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0  |
| 27.0          |                      | 3.63  | 4.44  | 5.35  | 6.38 | 7.51 | 8.75 | 9.26 | 10.05 |
| 32.0          |                      | 3.44  | 4.19  | 5.05  | 6.00 | 7.06 | 8.20 | 8.69 | 9.43  |
| 38.0          |                      |       | 3.89  | 4.67  | 5.54 | 6.50 | 7.54 | 7.97 | 8.65  |
| 43.0          |                      |       |       | 4.35  | 5.14 | 6.02 |      |      |       |
| 46.0          |                      |       |       | 4.15  |      |      |      |      |       |
| 49.0          |                      |       |       |       |      |      |      |      |       |

50 Hz

ZXDY-030E-TFD

R448A Dew Point

| Ambient<br>°C | Total Power Input, kW |       |       |       |      |      |      |      |      |
|---------------|-----------------------|-------|-------|-------|------|------|------|------|------|
|               | -25.0                 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0 |
| 27.0          |                       | 1.90  | 2.02  | 2.16  | 2.32 | 2.50 | 2.72 | 2.81 | 2.97 |
| 32.0          |                       | 2.07  | 2.20  | 2.34  | 2.52 | 2.71 | 2.94 | 3.04 | 3.21 |
| 38.0          |                       |       | 2.45  | 2.60  | 2.79 | 3.00 | 3.25 | 3.36 | 3.53 |
| 43.0          |                       |       |       | 2.85  | 3.05 | 3.27 |      |      |      |
| 46.0          |                       |       |       | 3.01  |      |      |      |      |      |
| 49.0          |                       |       |       |       |      |      |      |      |      |

| Ambient<br>°C | Current at 400 V, A |       |       |       |      |      |      |      |      |
|---------------|---------------------|-------|-------|-------|------|------|------|------|------|
|               | -25.0               | -20.0 | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0 |
| 27.0          |                     | 3.72  | 3.86  | 4.01  | 4.20 | 4.41 | 4.68 | 4.80 | 5.00 |
| 32.0          |                     | 3.92  | 4.06  | 4.23  | 4.43 | 4.67 | 4.96 | 5.10 | 5.32 |
| 38.0          |                     |       | 4.35  | 4.54  | 4.76 | 5.03 | 5.36 | 5.51 | 5.75 |
| 43.0          |                     |       |       | 4.83  | 5.08 | 5.38 |      |      |      |
| 46.0          |                     |       |       | 5.04  |      |      |      |      |      |
| 49.0          |                     |       |       |       |      |      |      |      |      |

| Ambient<br>°C | Mass Flow, g/s |       |       |       |       |       |       |       |       |
|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
|               | -25.0          | -20.0 | -15.0 | -10.0 | -5.0  | 0.0   | 5.0   | 7.0   | 10.0  |
| 27.0          |                | 20.50 | 25.60 | 31.60 | 38.90 | 47.40 | 57.60 | 62.10 | 69.60 |
| 32.0          |                | 20.30 | 25.40 | 31.30 | 38.50 | 46.90 | 56.90 | 61.50 | 68.90 |
| 38.0          |                |       | 25.10 | 31.00 | 37.90 | 46.30 | 56.20 | 60.70 | 68.10 |
| 43.0          |                |       |       | 30.60 | 37.50 | 45.70 |       |       |       |
| 46.0          |                |       |       | 30.40 |       |       |       |       |       |
| 49.0          |                |       |       |       |       |       |       |       |       |

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| Condenser/Fan Type                                                      | 066-0548-00_DY1/A6E450-AF13-16 |
| Number of Fans                                                          | 1                              |
| Total Fan Power Input, W                                                | 121                            |
| Depth/Width, mm                                                         | 1035/446                       |
| Height, mm                                                              | 840                            |
| Base mounting (hole dia), mm                                            | 580 x 388 (15)                 |
| Net Weight, kg                                                          | 79                             |
| Receiver Capacity, l                                                    | 3.9                            |
| Liquid Line, inch                                                       | 1/2                            |
| Air Flow, m³/s                                                          | 1.05                           |
| High Side PS gauge, bar                                                 | 31                             |
| Low Side PS gauge, bar                                                  | 22                             |
| Suction Type                                                            | Cu Tube                        |
| Suction Diameter, inch                                                  | 3/4                            |
| Sound Pressure @ 10m (MT), dBA                                          | 39                             |
| Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed) | -10.0/45.0/20.0 °C at 50 Hz    |

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

|                                         |     |
|-----------------------------------------|-----|
| Compressor Maximum Operating Current, A | 6.7 |
| Compressor Locked Rotor Current, A      | 40  |

### **ACCESSORIES INCLUDED**

|                       |                |
|-----------------------|----------------|
| Crankcase Heater      | 40 W External  |
| Oil separator         | Gokceler       |
| 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**

| <b>Motor Code</b> | <b>Power Supply</b>    | <b>Nominal Voltage, V</b> | <b>Start Connection</b> | <b>DOL Connection</b> | <b>Amps Factor</b> |
|-------------------|------------------------|---------------------------|-------------------------|-----------------------|--------------------|
| TFD               | 380-420 V / 3~ / 50 Hz | 400                       |                         | Y                     | 1.00               |