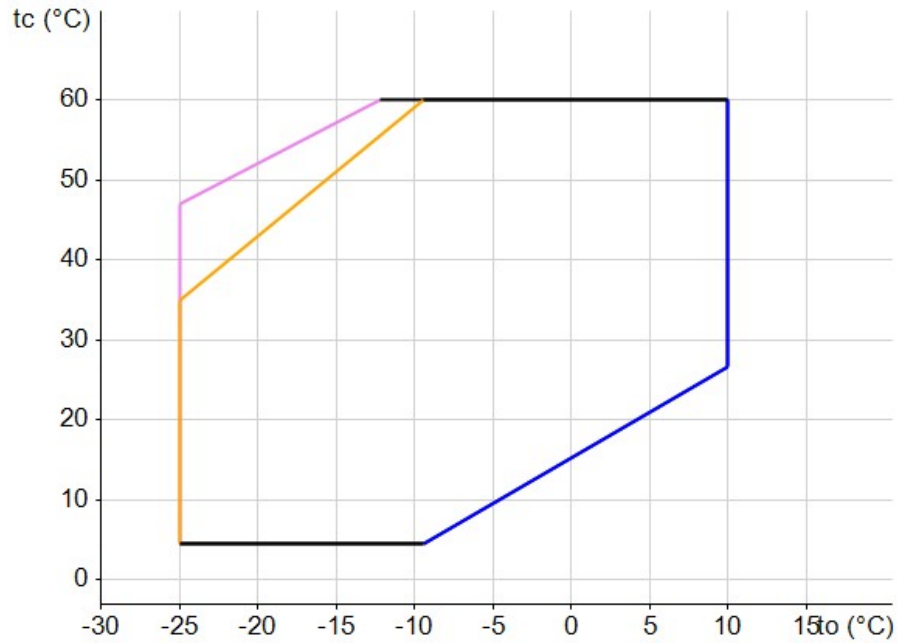




Minimum Evaporating Temp. With:

- 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          |                      | 8.87  | 10.85 | 13.05 | 15.50 | 18.25 | 21.20 | 22.40 | 24.30 |
| 32.0          |                      | 8.38  | 10.25 | 12.30 | 14.65 | 17.15 | 19.90 | 21.10 | 22.80 |
| 38.0          |                      |       | 9.48  | 11.40 | 13.50 | 15.85 | 18.35 | 19.40 | 21.00 |
| 43.0          |                      |       |       | 10.60 | 12.55 | 14.70 |       |       |       |
| 46.0          |                      |       |       | 10.10 |       |       |       |       |       |
| 49.0          |                      |       |       |       |       |       |       |       |       |

50 Hz

ZXDY-075E-TFD

R449A 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          |                       | 4.39  | 4.74  | 5.12  | 5.53 | 5.99 | 6.49 | 6.70 | 7.04 |
| 32.0          |                       | 4.77  | 5.15  | 5.55  | 6.00 | 6.48 | 7.01 | 7.24 | 7.60 |
| 38.0          |                       |       | 5.70  | 6.14  | 6.62 | 7.14 | 7.71 | 7.95 | 8.33 |
| 43.0          |                       |       |       | 6.68  | 7.19 | 7.74 |      |      |      |
| 46.0          |                       |       |       | 7.04  |      |      |      |      |      |
| 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          |                     | 8.26  | 8.59  | 8.98  | 9.42  | 9.93  | 10.52 | 10.78 | 11.19 |
| 32.0          |                     | 8.63  | 9.01  | 9.45  | 9.95  | 10.51 | 11.16 | 11.44 | 11.89 |
| 38.0          |                     |       | 9.61  | 10.11 | 10.68 | 11.31 | 12.02 | 12.33 | 12.82 |
| 43.0          |                     |       |       | 10.75 | 11.38 | 12.07 |       |       |       |
| 46.0          |                     |       |       | 11.18 |       |       |       |       |       |
| 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          |                | 50.80 | 63.50 | 78.50 | 96.30 | 117.50 | 142.00 | 153.50 | 171.50 |
| 32.0          |                | 50.30 | 62.90 | 77.90 | 95.50 | 116.50 | 141.00 | 152.50 | 170.50 |
| 38.0          |                |       | 62.20 | 76.90 | 94.40 | 115.00 | 140.00 | 151.00 | 169.50 |
| 43.0          |                |       |       | 76.10 | 93.50 | 114.00 |        |        |        |
| 46.0          |                |       |       | 75.60 |       |        |        |        |        |
| 49.0          |                |       |       |       |       |        |        |        |        |

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

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| Condenser/Fan Type                                                      | 066-0544-00_DY1/A6E450-AF13-16 |
| Number of Fans                                                          | 2                              |
| Total Fan Power Input, W                                                | 242                            |
| Depth/Width, mm                                                         | 1035/447                       |
| Height, mm                                                              | 1244                           |
| Base mounting (hole dia), mm                                            | 580 x 388 (15)                 |
| Net Weight, kg                                                          | 118                            |
| Receiver Capacity, l                                                    | 5.9                            |
| Liquid Line, inch                                                       | 1/2                            |
| Air Flow, m³/s                                                          | 1.77                           |
| High Side PS gauge, bar                                                 | 31                             |
| Low Side PS gauge, bar                                                  | 22                             |
| Suction Type                                                            | Cu Tube                        |
| Suction Diameter, inch                                                  | 7/8                            |
| Sound Pressure @ 10m (MT), dBA                                          | 43                             |
| 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 | 15.9 |
| Compressor Locked Rotor Current, A      | 102  |

### **ACCESSORIES INCLUDED**

|                       |                |
|-----------------------|----------------|
| Crankcase Heater      | 40 W External  |
| Oil separator         | Gokceler       |
| Liquid sight glass    | ALCO MIA 012   |
| Compressor contactor  | 18 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               |