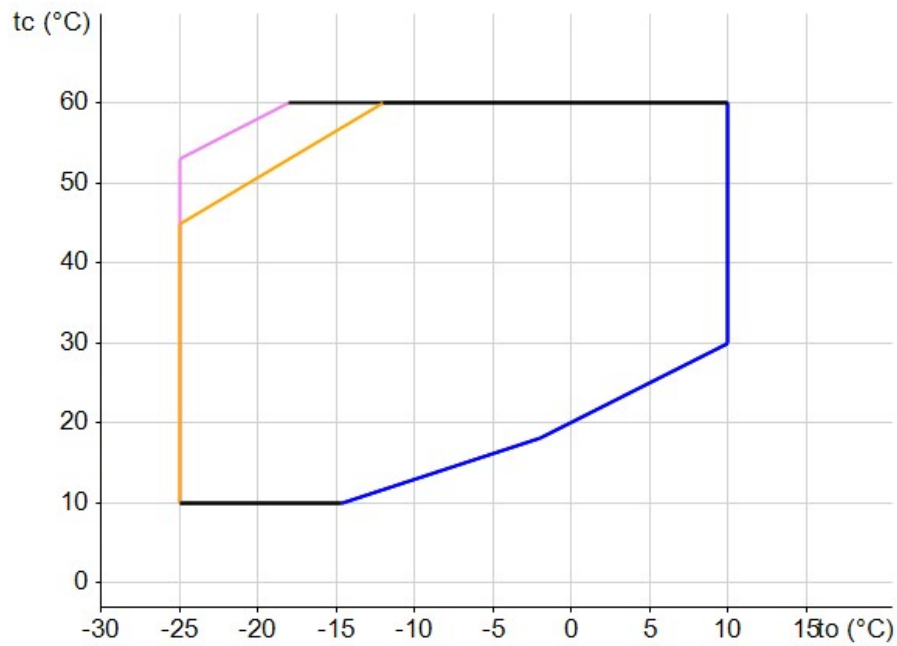




Minimum Evaporating Temp. With:

- 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<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          | 7.63                 | 9.29  | 11.15 | 13.25 | 15.60 | 18.15 | 20.90 | 22.00 | 23.80 |
| 32.0          | 7.11                 | 8.65  | 10.40 | 12.35 | 14.55 | 16.90 | 19.45 | 20.60 | 22.20 |
| 38.0          | 6.46                 | 7.87  | 9.45  | 11.25 | 13.20 | 15.40 | 17.75 | 18.75 |       |
| 43.0          | 5.92                 | 7.20  | 8.65  | 10.30 | 12.10 | 14.10 |       |       |       |
| 46.0          | 5.58                 | 6.79  | 8.16  | 9.70  | 11.40 |       |       |       |       |
| 49.0          |                      | 6.38  | 7.66  |       |       |       |       |       |       |

50 Hz

ZXDY-075E-TFD

R455A Arith. Mean Temp.

| 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          | 4.25                  | 4.59  | 4.96  | 5.35  | 5.79 | 6.25 | 6.77 | 6.98 | 7.32 |
| 32.0          | 4.60                  | 4.97  | 5.35  | 5.77  | 6.22 | 6.71 | 7.24 | 7.46 | 7.81 |
| 38.0          | 5.08                  | 5.47  | 5.88  | 6.32  | 6.79 | 7.30 | 7.85 | 8.09 |      |
| 43.0          | 5.53                  | 5.94  | 6.37  | 6.83  | 7.32 | 7.85 |      |      |      |
| 46.0          | 5.83                  | 6.25  | 6.69  | 7.16  | 7.66 |      |      |      |      |
| 49.0          |                       | 6.58  | 7.03  |       |      |      |      |      |      |

| 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          | 8.13                | 8.46  | 8.82  | 9.24  | 9.71  | 10.25 | 10.86 | 11.12 | 11.55 |
| 32.0          | 8.47                | 8.83  | 9.24  | 9.69  | 10.21 | 10.78 | 11.44 | 11.72 | 12.17 |
| 38.0          | 8.95                | 9.36  | 9.82  | 10.32 | 10.89 | 11.51 | 12.21 | 12.52 |       |
| 43.0          | 9.43                | 9.89  | 10.38 | 10.93 | 11.53 | 12.20 |       |       |       |
| 46.0          | 9.76                | 10.24 | 10.76 | 11.33 | 11.96 |       |       |       |       |
| 49.0          |                     | 10.62 | 11.17 |       |       |       |       |       |       |

| 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          | 51.60          | 62.70 | 75.60 | 90.50 | 107.50 | 127.00 | 149.00 | 158.50 | 174.00 |
| 32.0          | 50.90          | 61.90 | 74.60 | 89.20 | 106.00 | 125.00 | 147.00 | 157.00 | 172.50 |
| 38.0          | 50.00          | 60.80 | 73.20 | 87.50 | 104.00 | 123.00 | 145.00 | 154.50 |        |
| 43.0          | 49.20          | 59.80 | 72.00 | 86.10 | 102.50 | 121.50 |        |        |        |
| 46.0          | 48.70          | 59.20 | 71.20 | 85.20 | 101.50 |        |        |        |        |
| 49.0          |                | 58.50 | 70.40 |       |        |        |        |        |        |

### **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               |