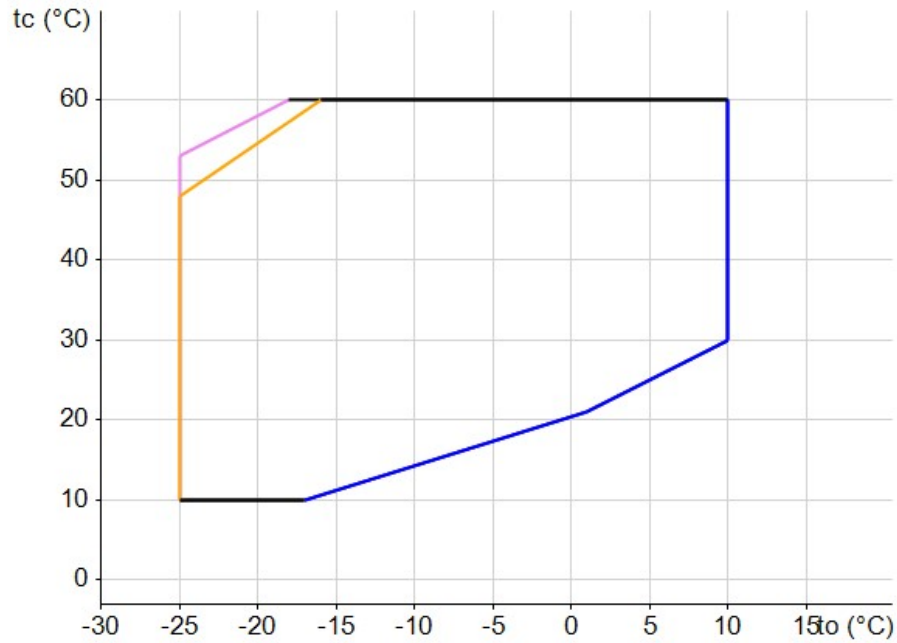




Minimum Evaporating Temp. With:

- 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          | 5.50                 | 6.80  | 8.28  | 9.95  | 11.80 | 13.90 | 16.10 | 17.05 | 18.55 |
| 32.0          | 5.11                 | 6.33  | 7.71  | 9.28  | 11.05 | 12.95 | 15.10 | 15.95 | 17.35 |
| 38.0          | 4.64                 | 5.75  | 7.02  | 8.46  | 10.05 | 11.85 | 13.80 | 14.60 | 15.90 |
| 43.0          | 4.24                 | 5.27  | 6.44  | 7.77  | 9.26  | 10.90 | 12.70 |       |       |
| 46.0          | 4.00                 | 4.98  | 6.09  | 7.35  | 8.76  | 10.35 |       |       |       |
| 49.0          |                      | 4.68  | 5.73  | 6.92  |       |       |       |       |       |

50 Hz

ZXDY-060E-TFD

R454C 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          | 3.11                  | 3.32  | 3.53  | 3.77  | 4.03 | 4.31 | 4.64 | 4.78 | 5.01 |
| 32.0          | 3.34                  | 3.55  | 3.79  | 4.05  | 4.33 | 4.65 | 5.01 | 5.16 | 5.42 |
| 38.0          | 3.61                  | 3.86  | 4.12  | 4.41  | 4.73 | 5.08 | 5.49 | 5.66 | 5.95 |
| 43.0          | 3.85                  | 4.12  | 4.41  | 4.73  | 5.08 | 5.47 | 5.92 |      |      |
| 46.0          | 3.99                  | 4.28  | 4.59  | 4.93  | 5.30 | 5.72 |      |      |      |
| 49.0          |                       | 4.44  | 4.77  | 5.13  |      |      |      |      |      |

| 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          | 6.08                | 6.33  | 6.60  | 6.89  | 7.21 | 7.57 | 7.98 | 8.16 | 8.46 |
| 32.0          | 6.35                | 6.62  | 6.92  | 7.24  | 7.59 | 7.99 | 8.45 | 8.66 | 8.99 |
| 38.0          | 6.69                | 7.00  | 7.33  | 7.69  | 8.10 | 8.55 | 9.07 | 9.30 | 9.68 |
| 43.0          | 6.97                | 7.32  | 7.69  | 8.10  | 8.55 | 9.06 | 9.63 |      |      |
| 46.0          | 7.14                | 7.51  | 7.91  | 8.35  | 8.83 | 9.37 |      |      |      |
| 49.0          |                     | 7.71  | 8.14  | 8.61  |      |      |      |      |      |

| 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          | 38.60          | 47.40 | 57.60 | 69.30 | 82.60 | 97.80 | 115.00 | 122.50 | 134.50 |
| 32.0          | 38.00          | 46.70 | 56.80 | 68.30 | 81.50 | 96.60 | 113.50 | 121.00 | 133.00 |
| 38.0          | 37.20          | 45.80 | 55.70 | 67.10 | 80.10 | 95.00 | 112.00 | 119.50 | 131.50 |
| 43.0          | 36.40          | 44.90 | 54.70 | 65.90 | 78.90 | 93.70 | 110.50 |        |        |
| 46.0          | 36.00          | 44.40 | 54.10 | 65.20 | 78.10 | 92.90 |        |        |        |
| 49.0          |                | 43.90 | 53.50 | 64.50 |       |       |        |        |        |

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

|                                                                         |                                |
|-------------------------------------------------------------------------|--------------------------------|
| Condenser/Fan Type                                                      | 066-0546-00_DY3/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                                                          | 112                            |
| Receiver Capacity, l                                                    | 5.9                            |
| Liquid Line, inch                                                       | 1/2                            |
| Air Flow, m³/s                                                          | 1.98                           |
| 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 | 12.3 |
| Compressor Locked Rotor Current, A      | 74   |

### **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               |