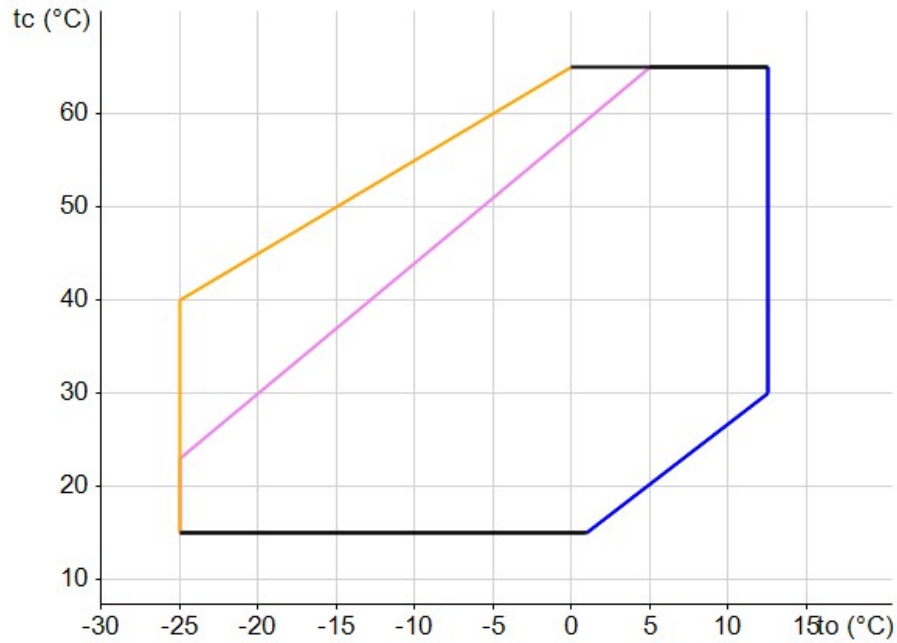




Minimum Evaporating Temp. With:

25 °C Suction Gas Return

10 K Suction Superheat

Maximum Evaporating Temperature

Maximum Pressure Limit

Suction Superheat 10.0K

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  | 12.5  |
| 27.0          | 6.06                 | 7.67  | 9.53  | 11.65 | 14.10 | 16.80 | 19.75 | 21.00 | 23.00 | 24.70 |
| 32.0          | 5.66                 | 7.19  | 8.96  | 11.00 | 13.25 | 15.85 | 18.65 | 19.85 | 21.70 | 23.40 |
| 38.0          |                      |       | 8.25  | 10.15 | 12.25 | 14.65 | 17.25 | 18.40 | 20.10 | 21.70 |
| 43.0          |                      |       |       |       | 11.40 | 13.60 | 16.05 | 17.10 | 18.75 |       |
| 46.0          |                      |       |       |       | 10.85 | 12.95 | 15.35 |       |       |       |
| 49.0          |                      |       |       |       |       | 12.30 |       |       |       |       |

50 Hz

ZXMY-075E-TFD

R407C 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 | 12.5 |
| 27.0          | 3.79                  | 4.03  | 4.31  | 4.64  | 5.00 | 5.41 | 5.87 | 6.06 | 6.37 | 6.64 |
| 32.0          | 4.15                  | 4.42  | 4.72  | 5.06  | 5.45 | 5.88 | 6.35 | 6.56 | 6.88 | 7.15 |
| 38.0          |                       |       | 5.26  | 5.64  | 6.05 | 6.51 | 7.01 | 7.22 | 7.55 | 7.85 |
| 43.0          |                       |       |       |       | 6.61 | 7.09 | 7.61 | 7.84 | 8.18 |      |
| 46.0          |                       |       |       |       | 6.98 | 7.47 | 8.01 |      |      |      |
| 49.0          |                       |       |       |       |      | 7.87 |      |      |      |      |

| 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  | 12.5  |
| 27.0          | 7.11                | 7.40  | 7.74  | 8.15  | 8.62  | 9.15  | 9.75  | 10.01 | 10.42 | 10.78 |
| 32.0          | 7.53                | 7.86  | 8.25  | 8.70  | 9.20  | 9.77  | 10.40 | 10.67 | 11.10 | 11.47 |
| 38.0          |                     |       | 8.96  | 9.45  | 10.00 | 10.60 | 11.27 | 11.55 | 11.99 | 12.37 |
| 43.0          |                     |       |       |       | 10.74 | 11.38 | 12.07 | 12.36 | 12.81 |       |
| 46.0          |                     |       |       |       | 11.22 | 11.88 | 12.58 |       |       |       |
| 49.0          |                     |       |       |       |       | 12.40 |       |       |       |       |

| 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   | 12.5   |
| 27.0          | 37.70          | 47.60 | 59.10 | 72.50 | 88.10 | 106.00 | 126.50 | 135.50 | 150.00 | 162.50 |
| 32.0          | 37.10          | 46.90 | 58.40 | 71.80 | 87.30 | 105.00 | 125.50 | 134.50 | 149.00 | 162.00 |
| 38.0          |                |       | 57.50 | 70.80 | 86.20 | 104.00 | 124.50 | 133.50 | 148.00 | 161.00 |
| 43.0          |                |       |       |       | 85.20 | 103.00 | 123.50 | 132.50 | 147.00 |        |
| 46.0          |                |       |       |       | 84.50 | 102.00 | 122.50 |        |        |        |
| 49.0          |                |       |       |       |       | 101.50 |        |        |        |        |

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

|                                                                            |                              |
|----------------------------------------------------------------------------|------------------------------|
| Condenser/Fan Type                                                         | 066-0544-00_1/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                                             | 41                           |
| Sound Conditions (MT, Temperatures:<br>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  |
| 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               |