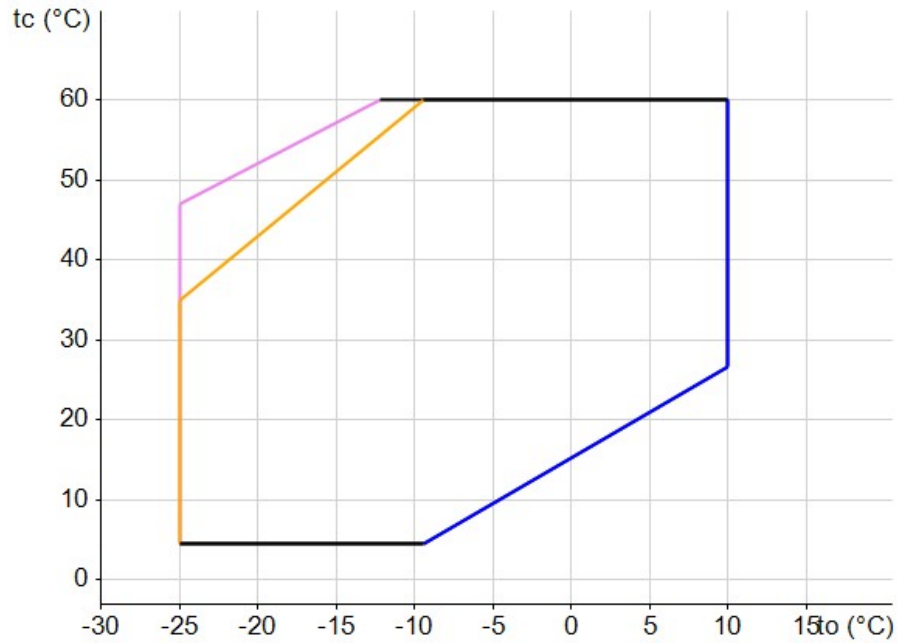




Minimum Evaporating Temp. With:

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          | 3.83                 | 4.74  | 5.80  | 7.01  | 8.36 | 9.87 | 11.50 | 12.20 | 13.30 |
| 32.0          |                      | 4.49  | 5.48  | 6.61  | 7.87 | 9.28 | 10.80 | 11.45 | 12.50 |
| 38.0          |                      |       | 5.08  | 6.11  | 7.27 | 8.55 | 9.95  | 10.55 | 11.45 |
| 43.0          |                      |       |       | 5.68  | 6.75 | 7.92 |       |       |       |
| 46.0          |                      |       |       | 5.42  | 6.43 |      |       |       |       |
| 49.0          |                      |       |       |       |      |      |       |       |       |

50 Hz

ZXMY-040E-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          | 2.25                  | 2.41  | 2.57  | 2.74  | 2.92 | 3.13 | 3.36 | 3.45 | 3.61 |
| 32.0          |                       | 2.62  | 2.80  | 2.98  | 3.19 | 3.41 | 3.66 | 3.77 | 3.94 |
| 38.0          |                       |       | 3.11  | 3.32  | 3.54 | 3.79 | 4.06 | 4.18 | 4.37 |
| 43.0          |                       |       |       | 3.63  | 3.87 | 4.14 |      |      |      |
| 46.0          |                       |       |       | 3.83  | 4.09 |      |      |      |      |
| 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          | 4.71                | 4.86  | 5.03  | 5.22  | 5.42 | 5.65 | 5.92 | 6.03 | 6.22 |
| 32.0          |                     | 5.09  | 5.28  | 5.49  | 5.72 | 5.98 | 6.27 | 6.40 | 6.60 |
| 38.0          |                     |       | 5.63  | 5.87  | 6.14 | 6.43 | 6.75 | 6.90 | 7.12 |
| 43.0          |                     |       |       | 6.24  | 6.53 | 6.85 |      |      |      |
| 46.0          |                     |       |       | 6.48  | 6.79 |      |      |      |      |
| 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          | 21.40          | 27.00 | 33.70 | 41.70 | 51.20 | 62.50 | 75.90 | 82.00 | 91.90 |
| 32.0          |                | 26.80 | 33.40 | 41.30 | 50.70 | 61.90 | 75.20 | 81.20 | 91.10 |
| 38.0          |                |       | 33.00 | 40.80 | 50.00 | 61.10 | 74.30 | 80.30 | 90.10 |
| 43.0          |                |       |       | 40.30 | 49.40 | 60.40 |       |       |       |
| 46.0          |                |       |       | 40.00 | 49.10 |       |       |       |       |
| 49.0          |                |       |       |       |       |       |       |       |       |

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                                                                            |                              |
|----------------------------------------------------------------------------|------------------------------|
| Condenser/Fan Type                                                         | 066-0547-00_2/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                                                             | 91                           |
| Receiver Capacity, l                                                       | 3.9                          |
| Liquid Line, inch                                                          | 1/2                          |
| Air Flow, m³/s                                                             | 0.97                         |
| 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                                             | 38                           |
| 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 | 7.8 |
| Compressor Locked Rotor Current, A      | 50  |

**ACCESSORIES INCLUDED**

|                       |                |
|-----------------------|----------------|
| Crankcase Heater      | 40 W External  |
| 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               |