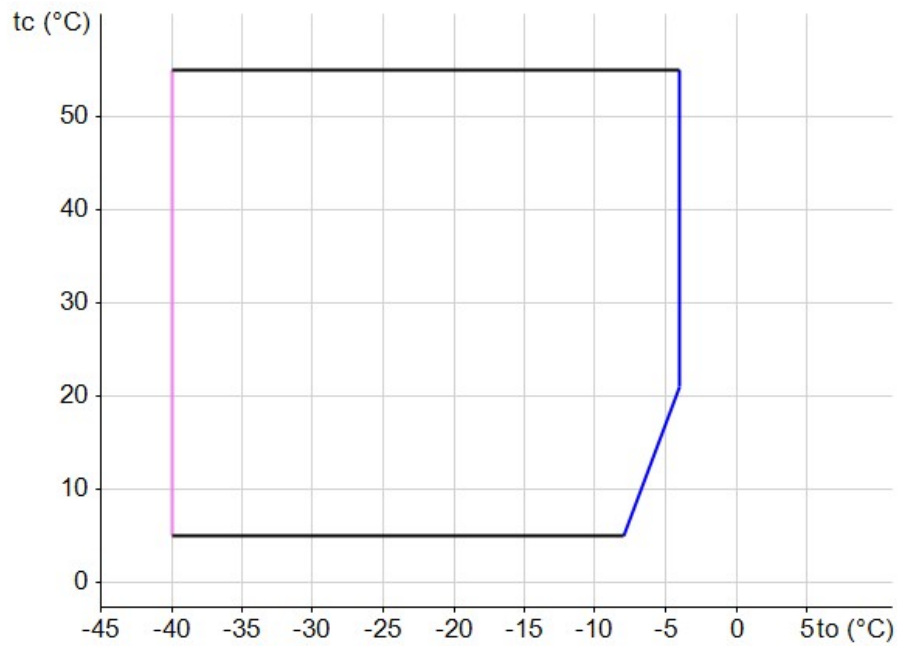




Minimum Evaporating Temp. With:

20 °C Suction Gas Return ASERCOM certified Liquid injection

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 |       |       |       |       |       |       |      |
|---------------|----------------------|-------|-------|-------|-------|-------|-------|------|
|               | -40.0                | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0          | 1.38                 | 1.77  | 2.23  | 2.76  | 3.38  | 4.10  | 4.90  | 5.80 |
| 32.0          | 1.32                 | 1.70  | 2.13  | 2.64  | 3.22  | 3.89  | 4.65  | 5.50 |
| 38.0          | 1.25                 | 1.60  | 2.00  | 2.47  | 3.01  | 3.63  | 4.33  | 5.12 |
| 43.0          | 1.18                 | 1.51  | 1.89  | 2.33  | 2.83  | 3.40  |       |      |
| 46.0          | 1.13                 | 1.45  | 1.82  | 2.23  |       |       |       |      |
| 49.0          | 1.08                 |       |       |       |       |       |       |      |

50 Hz

ZXLY-030E-TFD

R448A Dew Point

| Ambient<br>°C | Total Power Input, kW |       |       |       |       |       |       |      |
|---------------|-----------------------|-------|-------|-------|-------|-------|-------|------|
|               | -40.0                 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0          | 1.32                  | 1.39  | 1.48  | 1.58  | 1.70  | 1.84  | 1.99  | 2.17 |
| 32.0          | 1.45                  | 1.52  | 1.60  | 1.70  | 1.83  | 1.97  | 2.13  | 2.31 |
| 38.0          | 1.64                  | 1.72  | 1.80  | 1.90  | 2.03  | 2.17  | 2.33  | 2.51 |
| 43.0          | 1.84                  | 1.92  | 2.00  | 2.11  | 2.23  | 2.37  |       |      |
| 46.0          | 1.98                  | 2.06  | 2.15  | 2.25  |       |       |       |      |
| 49.0          | 2.14                  |       |       |       |       |       |       |      |

| Ambient<br>°C | Current at 400 V, A |       |       |       |       |       |       |      |
|---------------|---------------------|-------|-------|-------|-------|-------|-------|------|
|               | -40.0               | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 |
| 27.0          | 3.28                | 3.34  | 3.41  | 3.50  | 3.61  | 3.74  | 3.91  | 4.10 |
| 32.0          | 3.39                | 3.45  | 3.52  | 3.62  | 3.73  | 3.88  | 4.05  | 4.25 |
| 38.0          | 3.56                | 3.63  | 3.71  | 3.81  | 3.93  | 4.08  | 4.26  | 4.48 |
| 43.0          | 3.76                | 3.83  | 3.91  | 4.01  | 4.14  | 4.30  |       |      |
| 46.0          | 3.91                | 3.97  | 4.06  | 4.16  |       |       |       |      |
| 49.0          | 4.08                |       |       |       |       |       |       |      |

| Ambient<br>°C | Mass Flow, g/s |       |       |       |       |       |       |       |
|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|
|               | -40.0          | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0  |
| 27.0          | 7.36           | 9.53  | 12.15 | 15.30 | 19.05 | 23.50 | 28.90 | 35.20 |
| 32.0          | 7.39           | 9.56  | 12.15 | 15.25 | 19.00 | 23.40 | 28.70 | 35.00 |
| 38.0          | 7.40           | 9.58  | 12.15 | 15.25 | 18.90 | 23.30 | 28.60 | 34.90 |
| 43.0          | 7.38           | 9.56  | 12.10 | 15.15 | 18.80 | 23.20 |       |       |
| 46.0          | 7.34           | 9.53  | 12.10 | 15.10 |       |       |       |       |
| 49.0          | 7.28           |       |       |       |       |       |       |       |

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

|                                                                            |                              |
|----------------------------------------------------------------------------|------------------------------|
| Condenser/Fan Type                                                         | 066-0548-00_3/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                                                             | 79                           |
| Receiver Capacity, l                                                       | 3.9                          |
| Liquid Line, inch                                                          | 1/2                          |
| Air Flow, m³/s                                                             | 1.05                         |
| High Side PS gauge, bar                                                    | 31                           |
| Low Side PS gauge, bar                                                     | 22                           |
| Suction Type                                                               | Cu Tube                      |
| Suction Diameter, inch                                                     | 3/4                          |
| 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 | 6  |
| Compressor Locked Rotor Current, A      | 40 |

### **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               |