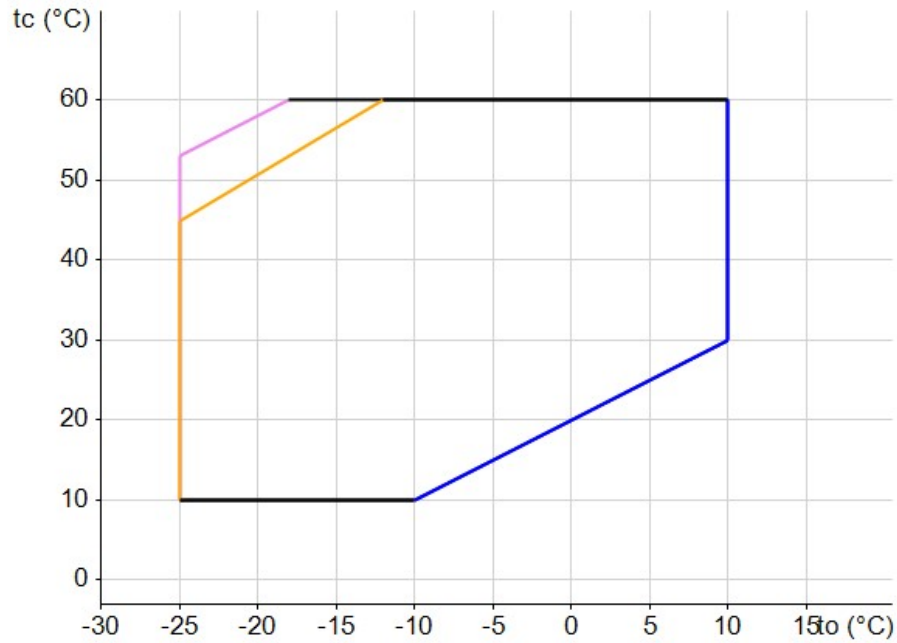




Minimum Evaporating Temp. With:

- 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          | 2.07                 | 2.54  | 3.09  | 3.70  | 4.38 | 5.13 | 5.95 | 6.29 | 6.82 |
| 32.0          | 1.92                 | 2.36  | 2.87  | 3.44  | 4.08 | 4.78 | 5.54 | 5.87 | 6.37 |
| 38.0          | 1.74                 | 2.14  | 2.60  | 3.13  | 3.71 | 4.35 | 5.06 | 5.36 | 5.82 |
| 43.0          | 1.59                 | 1.96  | 2.38  | 2.86  | 3.40 | 4.00 | 4.65 | 4.93 | 5.36 |
| 46.0          | 1.50                 | 1.85  | 2.25  | 2.70  | 3.21 | 3.78 |      |      |      |
| 49.0          |                      | 1.74  | 2.12  | 2.54  | 3.02 |      |      |      |      |

50 Hz

ZXMY-020E-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          | 1.23                  | 1.32  | 1.42  | 1.52  | 1.62 | 1.72 | 1.84 | 1.89 | 1.96 |
| 32.0          | 1.32                  | 1.42  | 1.52  | 1.62  | 1.73 | 1.84 | 1.96 | 2.01 | 2.09 |
| 38.0          | 1.45                  | 1.55  | 1.66  | 1.76  | 1.88 | 2.00 | 2.12 | 2.17 | 2.24 |
| 43.0          | 1.56                  | 1.67  | 1.78  | 1.89  | 2.01 | 2.13 | 2.25 | 2.30 | 2.38 |
| 46.0          | 1.64                  | 1.75  | 1.86  | 1.98  | 2.09 | 2.21 |      |      |      |
| 49.0          |                       | 1.83  | 1.94  | 2.06  | 2.18 |      |      |      |      |

| 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          | 2.48                | 2.56  | 2.66  | 2.77  | 2.88 | 3.01 | 3.15 | 3.21 | 3.30 |
| 32.0          | 2.57                | 2.67  | 2.78  | 2.89  | 3.02 | 3.15 | 3.30 | 3.37 | 3.47 |
| 38.0          | 2.70                | 2.81  | 2.93  | 3.06  | 3.19 | 3.34 | 3.50 | 3.57 | 3.68 |
| 43.0          | 2.83                | 2.95  | 3.08  | 3.22  | 3.36 | 3.52 | 3.69 | 3.76 | 3.87 |
| 46.0          | 2.91                | 3.04  | 3.18  | 3.32  | 3.47 | 3.63 |      |      |      |
| 49.0          |                     | 3.14  | 3.28  | 3.43  | 3.58 |      |      |      |      |

| 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          | 13.65          | 16.70 | 20.30 | 24.30 | 28.90 | 34.10 | 40.00 | 42.50 | 46.60 |
| 32.0          | 13.35          | 16.40 | 19.85 | 23.90 | 28.40 | 33.50 | 39.30 | 41.90 | 45.90 |
| 38.0          | 13.05          | 16.00 | 19.40 | 23.30 | 27.70 | 32.80 | 38.50 | 41.10 | 45.10 |
| 43.0          | 12.80          | 15.70 | 19.00 | 22.80 | 27.20 | 32.20 | 37.90 | 40.40 | 44.40 |
| 46.0          | 12.65          | 15.50 | 18.75 | 22.50 | 26.80 | 31.80 |       |       |       |
| 49.0          |                | 15.30 | 18.50 | 22.20 | 26.50 |       |       |       |       |

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                                                                            |                              |
|----------------------------------------------------------------------------|------------------------------|
| Condenser/Fan Type                                                         | 066-0545-00_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                                                             | 76                           |
| Receiver Capacity, l                                                       | 3.9                          |
| Liquid Line, inch                                                          | 1/2                          |
| Air Flow, m³/s                                                             | 1                            |
| 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                                             | 37                           |
| 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 | 4.2 |
| Compressor Locked Rotor Current, A      | 26  |

**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               |