



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Cond °C | Cooling Capacity, kW | | | | | | | | | | |
|------------|----------------------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 10.0 | 2.59 | 3.27 | 4.09 | 5.06 | 6.21 | 7.55 | | | | | |
| 15.0 | 2.49 | 3.15 | 3.93 | 4.86 | 5.95 | 7.22 | 8.71 | | | | |
| 20.0 | 2.40 | 3.03 | 3.77 | 4.65 | 5.68 | 6.89 | 8.30 | 9.92 | | | |
| 25.0 | | 2.90 | 3.60 | 4.43 | 5.41 | 6.55 | 7.88 | 9.41 | 11.15 | | |
| 30.0 | | 2.76 | 3.43 | 4.21 | 5.12 | 6.19 | 7.44 | 8.88 | 10.55 | 12.45 | 13.25 |
| 35.0 | | 2.62 | 3.24 | 3.97 | 4.82 | 5.82 | 6.99 | 8.34 | 9.90 | 11.70 | 12.45 |
| 40.0 | | | 3.04 | 3.72 | 4.51 | 5.43 | 6.51 | 7.77 | 9.22 | 10.90 | 11.65 |
| 45.0 | | | 2.83 | 3.45 | 4.17 | 5.02 | 6.02 | 7.18 | 8.53 | 10.10 | 10.75 |
| 50.0 | | | | 3.15 | 3.81 | 4.59 | 5.49 | 6.56 | 7.80 | 9.24 | 9.87 |
| 55.0 | | | | | 3.43 | 4.12 | 4.94 | 5.91 | 7.04 | 8.36 | 8.95 |
| 60.0 | | | | | | 3.63 | 4.36 | 5.23 | 6.25 | 7.45 | 7.98 |

50 Hz

ZS26K4E-TFD

R404A Dew Point

| Cond °C | Power, kW | | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 10.0 | 1.30 | 1.34 | 1.42 | 1.52 | 1.64 | 1.78 | | | | | |
| 15.0 | 1.40 | 1.44 | 1.51 | 1.60 | 1.71 | 1.84 | 2.00 | | | | |
| 20.0 | 1.52 | 1.56 | 1.62 | 1.70 | 1.80 | 1.92 | 2.07 | 2.23 | | | |
| 25.0 | | 1.68 | 1.74 | 1.81 | 1.91 | 2.03 | 2.16 | 2.32 | 2.49 | | |
| 30.0 | | 1.82 | 1.88 | 1.94 | 2.04 | 2.15 | 2.28 | 2.42 | 2.59 | 2.76 | 2.84 |
| 35.0 | | 1.98 | 2.03 | 2.10 | 2.18 | 2.29 | 2.41 | 2.56 | 2.71 | 2.88 | 2.96 |
| 40.0 | | | 2.20 | 2.27 | 2.35 | 2.46 | 2.58 | 2.71 | 2.87 | 3.03 | 3.10 |
| 45.0 | | | 2.40 | 2.46 | 2.55 | 2.65 | 2.76 | 2.90 | 3.05 | 3.21 | 3.27 |
| 50.0 | | | | 2.68 | 2.76 | 2.86 | 2.98 | 3.11 | 3.25 | 3.41 | 3.48 |
| 55.0 | | | | | 3.00 | 3.10 | 3.22 | 3.35 | 3.49 | 3.65 | 3.72 |
| 60.0 | | | | | | 3.36 | 3.48 | 3.62 | 3.76 | 3.92 | 3.98 |

| Cond °C | Current at 400 V, A | | | | | | | | | | |
|------------|---------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 10.0 | 4.95 | 4.98 | 5.03 | 5.08 | 5.15 | 5.22 | | | | | |
| 15.0 | 4.96 | 4.99 | 5.03 | 5.09 | 5.16 | 5.24 | 5.33 | | | | |
| 20.0 | 4.97 | 5.00 | 5.05 | 5.11 | 5.18 | 5.27 | 5.37 | 5.48 | | | |
| 25.0 | | 5.03 | 5.08 | 5.14 | 5.22 | 5.31 | 5.42 | 5.54 | 5.67 | | |
| 30.0 | | 5.09 | 5.13 | 5.20 | 5.28 | 5.38 | 5.49 | 5.61 | 5.75 | 5.90 | 5.97 |
| 35.0 | | 5.17 | 5.21 | 5.28 | 5.36 | 5.47 | 5.58 | 5.72 | 5.86 | 6.02 | 6.09 |
| 40.0 | | | 5.33 | 5.40 | 5.48 | 5.59 | 5.71 | 5.85 | 6.00 | 6.17 | 6.25 |
| 45.0 | | | 5.48 | 5.55 | 5.64 | 5.75 | 5.87 | 6.02 | 6.18 | 6.36 | 6.44 |
| 50.0 | | | | 5.75 | 5.84 | 5.95 | 6.08 | 6.23 | 6.40 | 6.59 | 6.67 |
| 55.0 | | | | | 6.09 | 6.20 | 6.33 | 6.49 | 6.67 | 6.86 | 6.95 |
| 60.0 | | | | | | 6.51 | 6.65 | 6.81 | 6.99 | 7.19 | 7.28 |

| Cond °C | Suction Mass Flow, g/s | | | | | | | | | | |
|------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -40.0 | -35.0 | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 |
| 10.0 | 14.45 | 18.30 | 22.90 | 28.50 | 35.10 | 42.90 | | | | | |
| 15.0 | 14.45 | 18.35 | 23.00 | 28.50 | 35.10 | 42.80 | 52.00 | | | | |
| 20.0 | 14.50 | 18.40 | 23.00 | 28.50 | 35.00 | 42.70 | 51.90 | 62.60 | | | |
| 25.0 | | 18.45 | 23.00 | 28.50 | 35.00 | 42.60 | 51.70 | 62.30 | 74.80 | | |
| 30.0 | | 18.50 | 23.10 | 28.50 | 34.90 | 42.40 | 51.40 | 62.00 | 74.50 | 89.10 | 95.70 |
| 35.0 | | 18.55 | 23.10 | 28.40 | 34.70 | 42.20 | 51.10 | 61.60 | 74.00 | 88.70 | 95.30 |
| 40.0 | | | 23.00 | 28.20 | 34.50 | 41.90 | 50.70 | 61.10 | 73.50 | 88.20 | 94.80 |
| 45.0 | | | 22.80 | 28.00 | 34.10 | 41.40 | 50.10 | 60.50 | 72.90 | 87.70 | 94.40 |
| 50.0 | | | | 27.60 | 33.60 | 40.80 | 49.40 | 59.70 | 72.20 | 87.10 | 93.80 |
| 55.0 | | | | | 33.00 | 40.00 | 48.60 | 58.90 | 71.40 | 86.50 | 93.40 |
| 60.0 | | | | | | 39.20 | 47.60 | 58.00 | 70.70 | 86.20 | 93.30 |

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|--|--|
| Displacement @ 50 Hz, m ³ /h | 9.90 |
| Length/Width, mm | 243/244 |
| Height, mm | 405 |
| Net Weight, kg | 33 |
| Rotalock Suction, inch | 1 1/4 |
| Rotalock Discharge, inch | 1 |
| Oil Quantity, l | 1.5 |
| Oil type (original charge) | POE RL32-3MAF |
| Oil type (approved oils) | POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC |
| Base mounting (hole dia), mm | 190 x 190 (8.5) |
| Sound Pressure @ 1m (MT), dBA | 63 |
| Sound Power (MT), dBA | 74 |
| Sound Power with Sound Shell (MT), dBA | 64 |
| Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed) | -10 / 45 / 20 °C at 50 Hz |
| PED Category | 1 |
| Max. Internal Free Volume, l | 4.10 |
| High Side PS gauge, bar | 28.8 |
| Low Side PS gauge, bar | 21 |
| Low Side TS Max., °C | 50 |
| Refrigerant's GWP | 3922 |
| Refrigerant's classification | A1 |

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

| | |
|------------------------------|----------------|
| Maximum Operating Current, A | 7 |
| Locked Rotor Current, A | 46 |
| Winding Resistance, ohm | 4.03 |
| Default Enclosure Class | IP 21 (IEC 34) |

ACCESSORIES INCLUDED

| | |
|----------------------------------|---------------------------|
| Discharge Temperature Protection | Discharge line thermostat |
| Mounting Grommets | Standard |

ACCESSORIES OPTIONAL

| | |
|--------------------|-----------------------|
| Crankcase Heater | 70 W External |
| Oil Control System | ALCO Trax-Oil OM3 |
| Rotalock valves | suction and discharge |

MOTOR OPTIONS

| <i>Motor Code</i> | <i>Power Supply</i> | <i>Nominal Voltage, V</i> | <i>Start Connection</i> | <i>DOL Connection</i> | <i>Amps Factor</i> |
|-------------------|------------------------|---------------------------|-------------------------|-----------------------|--------------------|
| TFD | 380-420 V / 3~ / 50 Hz | 400 | | Y | 1.00 |
| TF5 | 200-220 V / 3~ / 50 Hz | 200 | | Y | 2.09 |
| TFD | 460 V / 3~ / 60 Hz | 460 | | Y | 1.04 |
| TF5 | 200-230 V / 3~ / 60 Hz | 230 | | Y | 2.09 |