

2DL3R78KE-TFC

HFC, R-404A, 60Hz, 3- Phase, 208/230 V

Medium Temp, Low Condensing



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

| | | |
|------------------------------|--------------|--------------|
| Evap(°F)/Cond(°F) | 20 / 120 | 0 / 110 |
| RG(°F)/Liq(°F) | 65.0 / 120.0 | 65.0 / 110.0 |
| Capacity (Btu/hr) | 52000 | 35800 |
| Power (Watts): | 6600 | 5200 |
| Current (Amps): | 21.00 | 18.00 |
| EER (Btu/Wh): | 7.90 | 6.90 |
| Mass Flow (lbs/hr): | 1090 | 680 |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration (mils(peak-peak)): | 0.0 Avg | 0.0 Max |
| Record Date: | 2006-10-18 | |

Mechanical

| | | | |
|---|-------------|------------------------------|---------|
| Number of Cylinders: | 2 | Displ(in ³ /Rev): | 16.59 |
| Bore Size(in): | 2.50 | Displ(ft ³ /hr): | 1008.14 |
| Stroke(in): | 1.69 | | |
| Overall Length (in): | 23.63 | Mounting Length (in): | 11.62 |
| Overall Width (in): | 15.37 | Mounting Width (in): | 11.00 |
| Overall Height (in): | 18.55 | Mounting Height (in): | 20.05 * |
| Suction Size (in): | 1 3/8 Sweat | | |
| Discharge Size (in): | 7/8 Sweat | | |
| Oil Recharge (oz): | 72 | | |
| Initial Oil Charge (oz): | 80 | | |
| Net Weight (lbs): | 325 | | |
| Internal Free Volume (in ³): | | | |
| Horse Power: | 5 | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|-------|------------------------|------|---------------|-------------|
| LRA-High*: | 169.0 | MCC (Amps): | 44.2 | UL File No: | SA-2337 |
| LRA-Half Winding: | | RPM: | 3500 | UL File Date: | 13-Jul-1988 |
| LRA Low*: | | Max Operating Current: | | | |
| RLA(=MCC/1.4;use for contactor selection): | | | 31.6 | | |
| RLA(=MCC/1.56;use for breaker & wire size selection): | | | 28.3 | | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | | | | | |

Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|-------------|-----------|-------|---------|-----------------------------|
| R-22 HCFC | 50 | 3 | 200/220 | Air Conditioning |
| R-22 HCFC | 50 | 3 | 200/220 | Medium Temp, Low Condensing |
| R-502 CFC | 50 | 3 | 200/220 | Medium Temperature |
| R-404A HFC | 50 | 3 | 200/220 | Medium Temp, Low Condensing |
| R-507 HFC | 50 | 3 | 200/220 | Medium Temp, Low Condensing |
| R-407C HFC | 50 | 3 | 200/220 | |
| R-407C HFC | 50 | 3 | 200/220 | |
| R-407A HFC | 50 | 3 | 200/220 | Air Conditioning |
| R-407A HFC | 50 | 3 | 200/220 | Medium Temp, Low Condensing |
| R-407F HFC | 50 | 3 | 200/220 | Medium Temp, Low Condensing |

Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|-----------------------------|
| R-22 HCFC | 60 | 3 | 208/230 | Air Conditioning |
| R-22 HCFC | 60 | 3 | 208/230 | Medium Temp, Low Condensing |
| R-502 CFC | 60 | 3 | 208/230 | Medium Temperature |
| R-507 HFC | 60 | 3 | 208/230 | Medium Temp, Low Condensing |
| R-407C HFC | 60 | 3 | 208/230 | Air Conditioning |
| R-407C HFC | 60 | 3 | 208/230 | Medium Temp, Low Condensing |
| R-407A HFC | 60 | 3 | 208/230 | Air Conditioning |
| R-407A HFC | 60 | 3 | 208/230 | Medium Temp, Low Condensing |
| R-407F HFC | 60 | 3 | 208/230 | Medium Temp, Low Condensing |