

CS20K6E-TF5

HCFC, R-22, 60 Hz, 3 -Phase, 200/230 V
Medium Temperature



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

Performance

| | | |
|----------------------------|------------|---------|
| Evaporator Temp. (°F) | 20 | 0 |
| Condensing Temp. (°F) | 120 | 110 |
| Return Gas Temp. (°F) | 35 | 15 |
| Liquid Temp. (°F) | 120 | 110 |
| Capacity (Btu/hr) | 20300 | 13200 |
| Power (W): | 2720 | 2040 |
| Current (Amps): | 7.80 | 6.20 |
| EER (Btu/Wh): | 7.50 | 6.50 |
| Mass Flow (lbs/hr): | 320 | 205 |
| <u>Sound Data @</u> | | |
| Sound Power (dBA): | 0 Avg | 0 Max |
| Vibration mils(peak-peak): | 0.0 Avg | 0.0 Max |
| Record Date: | 2002-08-09 | |

Mechanical

| | |
|---|----------|
| Displacment(in ³ /Rev): | 4.40 |
| Displacment(ft ³ /hr): | 534.59 |
| Overall Length (in): | 10.23 |
| Overall Width (in): | 9.65 |
| Overall Height (in): | 14.06 |
| Mounting Length (in): | 7.50 |
| Mounting Width (in): | 7.50 |
| Mounting Height (in): | 14.44 * |
| Suction Size (in),Type: | 5/8 Stub |
| Discharge Size (in),Type: | 1/2 Stub |
| Initial Oil Charge (oz): | 45 |
| Oil Recharge (oz): | 43 |
| Net Weight (lbs): | 65.0 |
| Internal Free Volume (in ³): | |
| Horse Power: | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | |

Electrical

| | |
|---|------------|
| LRA-High*(Amp): | 75.0 |
| LRA Low* (Amp): | |
| LRA-Half Winding (Amp): | |
| MCC (Amps): | 15.97 |
| Max Operating Current(Amp): | 16.6 |
| RLA, MCC/1.4;use for contactor selection (Amp): | 11.4 |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp): | 10.2 |
| RPM: | |
| UL File No: | |
| UL File Date: | 1984-12-28 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | |

Capacitors

Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|-------------|---------|-------|-----------|----------------------|
| R-134a HFC | 200/240 | 3 | 50 | High Temp |
| R-134a HFC | 200/230 | 3 | 60 | High Temp |
| R-404A HFC | 200/230 | 3 | 60 | Extended Medium Temp |
| R-404A HFC | 200/230 | 3 | 60 | High Temp |
| R-404A HFC | 200/240 | 3 | 50 | Extended Medium Temp |
| R-507 HFC | 200/230 | 3 | 60 | Extended Medium Temp |
| R-507 HFC | 200/240 | 3 | 50 | Extended Medium Temp |
| R-22 HCFC | 200/240 | 3 | 50 | Medium Temperature |

Common U.S. OEM Bill Of Materials

| | Suction Connection | Suction Size | Discharge Connection | Discharge Size | Electrical Connection | Mounting Assembly | Sight Glass | Crankcase Heater | Schraeder Valve | Tandem Ready | Module Voltage |
|-----|--------------------|--------------|----------------------|----------------|-----------------------|-------------------|-------------|------------------|-----------------|--------------|----------------|
| 230 | Stub | 3/4" | | 1/2" | | - | - | - | - | - | - |
| 231 | Stub | 3/4" | | 1/2" | | - | - | - | - | - | - |
| 236 | | 3/4" | | 1/2" | | - | - | - | - | - | - |
| 237 | | 5/8" | | 1/2" | | - | - | - | - | - | - |
| 238 | | 5/8" | | 1/2" | | - | - | - | - | - | - |
| 23S | Rotalock | 1 1/4" | | 1/2" | | - | - | - | - | - | - |
| 255 | | 5/8" | | 1/2" | | - | - | - | - | - | - |
| 256 | | 5/8" | | 1/2" | | - | - | - | - | - | - |
| 270 | Stub | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 271 | Stub | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 273 | Stub | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 275 | | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 276 | | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 278 | | 3/4" | | 1/2" | | - | - | Yes | - | - | - |
| 279 | | 5/8" | | 1/2" | | - | - | Yes | - | - | - |

Common U.S. Service Bill Of Materials

| | Suction Connection | Suction Size | Discharge Connection | Discharge Size | Electrical Connection | Mounting Assembly | Sight Glass | Crankcase Heater | Schraeder Valve | Tandem Ready | Module Voltage |
|-----|--------------------|--------------|----------------------|----------------|-----------------------|-------------------|-------------|------------------|-----------------|--------------|----------------|
| 945 | Stub | 3/4" | | 1/2" | | - | - | - | - | - | - |
| 970 | Stub | 3/4" | | 1/2" | | Yes | - | Yes | - | - | - |

* Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.