

ZS13KAE-PFV

HCFC, R-22, 60 Hz, 1- Phase, 208/230 V
High Temp

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) | 45 / 130 | 20 / 120 |
| RG(°F)/Liq(°F) | 65.0 / 130.0 | 40.0 / 120.0 |
| Capacity (Btu/hr) | 20100 | 13050 |
| Power (W): | 2120 | 1695 |
| Current (Amps): | 9.30 | 7.45 |
| EER (Btu/Wh): | 9.50 | 7.70 |
| Mass Flow (lbs/hr): | 318 | 203 |
| Sound Power (dBA): | 70 Avg | 75 Max |
| Vibration mils(peak-) | 2.0 Avg | 3.0 Max |
| Record Date: | 2011-10-25 | |

Mechanical

| | | | |
|---|----------|-------------------------------------|---------|
| Number of Cylinders: | 0 | Displacement(in ³ /Rev): | 1.77 |
| Bore Size(in): | 0.00 | Displacement(ft ³ /hr): | 214.86 |
| Stroke(in): | 0.00 | | |
| Overall Length (in): | 9.69 | Mounting Length (in): | 7.50 |
| Overall Width (in): | 9.69 | Mounting Width (in): | 7.50 |
| Overall Height (in): | 15.72 | Mounting Height (in): | 16.00 * |
| Suction Size (in),Type: | 3/4 Stub | | |
| Discharge Size (in),Type: | 1/2 Stub | | |
| Oil Recharge (oz): | 19 | | |
| Initial Oil Charge (oz): | 25 | | |
| Net Weight (lbs): | 46 | | |
| Internal Free Volume (in ³): | 131.0 | | |
| Horse Power: | 1.8 | | |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. | | | |

Electrical

| | | | | | |
|---|----------------|-----------------------|-----------------|---------------|-------------------------|
| LRA-High*(Amp): | 56.0 | MCC (Amps): | 16.8 | UL File No: | SA-2337 |
| LRA-Half Winding | | RPM: | 3500 | UL File Date: | 16-Dec-2004 |
| LRA Low* (Amp): | | Max Operating Current | 12.5 | | |
| RLA, MCC/1.4;use for contactor selection (Amp): | 12 | | | | |
| RLA, MCC/1.56;use for breaker & wire size selection | 10.8 | | | | |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. | | | | | |
| <u>Type</u> | <u>Part No</u> | <u>Low MFD</u> | <u>High MFD</u> | <u>Volts</u> | <u>User Description</u> |
| Start Capacitor | 014-0061-27 | 88.0 | 106.0 | 330 | OPTIONAL |
| Run Capacitor | 014-0064-07 | 35.0 | 0.0 | 370 | |

Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application |
|-------------|-----------|-------|---------|----------------------|
| R-134a HFC | 60 | 1 | 208/230 | High Temp |
| R-404A HFC | 60 | 1 | 208/230 | Medium Temperature |
| R-404A HFC | 60 | 1 | 208/230 | Extended Medium Temp |
| R-507 HFC | 60 | 1 | 208/230 | Extended Medium Temp |
| R-507 HFC | 60 | 1 | 208/230 | Medium Temperature |
| R-407C HFC | 60 | 1 | 208/230 | High Temp |
| R-407A HFC | 60 | 1 | 208/230 | Extended Medium Temp |
| R-448A HFO | 60 | 1 | 208/230 | Extended Medium Temp |
| R-448A HFO | 60 | 1 | 208/230 | Medium Temperature |

Alternate Applications

| <u>Refrigerant</u> | <u>Freq (Hz)</u> | <u>Phase</u> | <u>Voltage</u> | <u>Application</u> |
|--------------------|------------------|--------------|----------------|----------------------|
| R-449A HFO | 60 | 1 | 208/230 | Extended Medium Temp |
| R-449A HFO | 60 | 1 | 208/230 | Medium Temperature |