

ZS33KAE-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

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	40
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	49800	32300
Power (W):	4700	3760
Current (Amps):	23.00	18.40
EER (Btu/Wh):	10.60	8.60
Mass Flow (lbs/hr):	786	503
<u>Sound Data @</u>		
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2012-03-13	

Mechanical

Displacement(in ³ /Rev):	4.39
Displacement(ft ³ /hr):	534.12
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	16.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	34
Net Weight (lbs):	72.0
Internal Free Volume (in ³):	179.0
Horse Power:	4.50

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*(Amp):	146.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	39.5
Max Operating Current(Amp):	34.0
RLA, MCC/1.4;use for contactor selection (Amp):	28.2
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	25.3
RPM:	3500
UL File No:	SA-2337
UL File Date:	2003-12-17

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-27	80.0	0.0	370	

Alternate Applications

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

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-448A HFO	208/230	1	60	Extended Medium Temp
R-449A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Extended Medium Temp