

# 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

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	40
Liquid Temp. (°F)	130	120
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
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2011-10-25	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	1.77
Displacement(ft <sup>3</sup> /hr):	214.86
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	15.72
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.00 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	19
Net Weight (lbs):	46.0
Internal Free Volume (in <sup>3</sup> ):	131.0
Horse Power:	1.80

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

## Electrical

LRA-High*(Amp):	56.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	16.8
Max Operating Current(Amp):	12.5
RLA, MCC/1.4;use for contactor selection (Amp):	12.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	10.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	2004-12-16

\*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	014-0064-07	35.0	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	Medium Temperature
R-404A HFC	208/230	1	60	Extended Medium Temp
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	Extended Medium Temp

## 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	Medium Temperature
R-449A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Extended Medium Temp