

ZS13KAE-PFV

HFC, R-404A, 60 Hz, 1 -Phase, 208/230 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	45
Condensing Temp. (°F)	120	130
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	120	130
Capacity (Btu/hr)	12850	18050
Power (W):	1910	2100
Current (Amps):	8.40	9.25
EER (Btu/Wh):	6.75	8.60
Mass Flow (lbs/hr):	271	443
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-07-26	

Mechanical

Displacement(in ³ /Rev):	1.77
Displacement(ft ³ /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 ³):	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:	2005-12-16

*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	Extended Medium Temp
R-507 HFC	208/230	1	60	Extended Medium Temp
R-507 HFC	208/230	1	60	Medium Temperature
R-22 HCFC	208/230	1	60	High Temp
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	Extended Medium Temp
R-449A HFO	208/230	1	60	Medium Temperature