

# ZS09KAE-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)	9430	13250
Power (W):	1440	1585
Current (Amps):	6.30	6.95
EER (Btu/Wh):	6.55	8.35
Mass Flow (lbs/hr):	199	325
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-01-17	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	1.31
Displacement(ft <sup>3</sup> /hr):	158.84
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):	47.0
Internal Free Volume (in <sup>3</sup> ):	128.0
Horse Power:	1.30

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

## Electrical

LRA-High*(Amp):	40.3
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	14.0
Max Operating Current(Amp):	8.4
RLA, MCC/1.4;use for contactor selection (Amp):	10.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	9.0
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	014-0064-06	30.0	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	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	Extended Medium Temp
R-449A HFO	208/230	1	60	Medium Temperature