

ZS09KAE-PFV

HFC, R-404A, 60 Hz, 1 -phase, 208/230 V
Extended Medium 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)	20 / 120	-10 / 120
RG(°F)/Liq(°F)	40.0 / 120.0	40.0 / 120.0
Capacity (Btu/hr)	8920	4630
Power (Watts):	1460	1280
Current (Amps):	6.40	5.60
EER (Btu/Wh):	6.10	3.60
Mass Flow (lbs/hr):	213	105
Sound Data @		
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2013-04-17	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	1.31
Bore Size(in):	0.00	Displ(ft ³ /hr):	158.84
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):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		19	
Initial Oil Charge (oz):		25	
Net Weight (lbs):		47.7	
Internal Free Volume (in ³):		128.0	
Horse Power:		1.3	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	40.3	MCC (Amps):	14.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	16-Dec-2005
LRA Low*:		Max Operating Current:	8.4		
RLA(=MCC/1.4;use for contactor selection):		10			
RLA(=MCC/1.56;use for breaker & wire size selection):		9			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
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	Freq (Hz)	Phase	Voltage	Application
R-134a HFC	60	1	208/230	High Temp
R-404A HFC	60	1	208/230	Medium Temperature
R-507 HFC	60	1	208/230	Medium Temperature
R-507 HFC	60	1	208/230	Extended Medium Temp
R-22 HCFC	60	1	208/230	High Temp
R-407C HFC	60	1	208/230	High Temp
R-407A HFC	60	1	208/230	Extended Medium Temp