

ZB08KAE-PFV

HFC, R-134a, 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)	5190	8450
Power (W):	781	912
Current (Amps):	3.95	4.35
EER (Btu/Wh):	6.65	9.25
Mass Flow (lbs/hr):	82	146
<u>Sound Data @ 20 / 120</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2018-01-31	

Mechanical

Displacment(in^3/Rev):	1.19
Displacment(ft^3/hr):	144.74
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	14.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	15.69 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	21
Net Weight (lbs):	44.0
Internal Free Volume (in^3):	136.0
Horse Power:	1.20

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

Electrical

LRA-High*(Amp):	47.2
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	11.2
Max Operating Current(Amp):	7.5
RLA, MCC/1.4;use for contactor selection (Amp):	8.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	7.2
RPM:	3500
UL File No:	SA-2337
UL File Date:	2003-12-16

*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-404A HFC	208/230	1	60	Medium Temperature
R-507 HFC	208/230	1	60	Medium Temperature
R-407C HFC	208/230	1	60	Medium Temperature
R-407A HFC	208/230	1	60	Medium Temperature
R-407F HFC	208/230	1	60	Medium Temperature
R-448A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Medium Temperature