

ZS21KAE-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)	23500	33100
Power (W):	3320	3660
Current (Amps):	15.60	17.15
EER (Btu/Wh):	7.10	9.05
Mass Flow (lbs/hr):	495	811
<u>Sound Data @</u>		
Sound Power (dBA):	76 Avg	82 Max
Vibration mils(peak-peak):	2.0 Avg	3.5 Max
Record Date:	2017-07-26	

Electrical

LRA-High*(Amp):	112.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	32.5
Max Operating Current(Amp):	24.0
RLA, MCC/1.4;use for contactor selection (Amp):	23.2
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	20.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	2003-12-17
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	3.11
Displacment(ft^3/hr):	377.71
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	16.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	34
Net Weight (lbs):	68.0
Internal Free Volume (in^3):	207.6
Horse Power:	3.20
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-28	55.0	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