ZS21KAE-PFV
HFC, R-507, 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 Copeland Representative for international availability.

Performance

Evaporator Temp. (°F)	20.00	-10
Condensing Temp. (°F)	120.00	120
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	120.00	120
Capacity (BTU/hr)	25600	13450
Power (W):	3690	3160
Current (Amps):	17	14.8
EER(BTU/Wh):	6.95	4.25
Mass Flow (lbs/hr):	555	282
Sound Data @		
Sound Power (dBA):	76 Avg	82 Max
Vibration mils(peak-peak):	2.0 Avg	3.5 Max
Record Date:	2023-05-19	

Mechanical

Displacement (in^3/Rev):	3.11
Displacement (ft^3/Hr):	
Overall Length (in):	9.70
Overall Width (in):	9.70
Overall Height (in):	16.40
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.20
Suction Size (in),Type:	7 / 8 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	34
Oil Type:	POE
Net Weight (lbs):	68.3
Internal Free Volume (in^3):	207.6

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

Electrical

LRA High* (Amps):	112
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	32.5
Max Operating Current (Amps):	24.00
RLA, MCC/1.4(use for contactor selection)(Amps):	23.2
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	20.8
RPM:	3500
Box IP :	21
UL File No:	SA2337-20031217
UL File Date:	2014-03-21

*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
Run Capacitor	014-0064-28	55.0	0.0	370	
Start Capacitor	014-0061-27	88.0	106.0	330	

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC	208/230	1	60	High Temp
R-22 HCFC	208/230	1	60	High Temp
R-404A HFC	208/230	1	60	Extended Medium Temp
R-404A HFC	208/230	1	60	Medium Temperature
R-407A HFC	208/230	1	60	Extended Medium Temp
R-407A HFC	208/230	1	50	Extended Medium Temp
R-407C HFC	208/230	1	60	High Temp
R-448A HFO	208/230	1	60	Extended Medium Temp
R-449A HFO	208/230	1	60	Extended Medium Temp