

ZR25K5E-PFV

HFC, R-407C, 60 Hz, 1 -Phase, 208/230 V

Air Conditioning

COPELAND™

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)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	24300	32800
Power (W):	2360	1535
Current (Amps):	10.40	6.65
EER (Btu/Wh):	10.30	21.35
Mass Flow (lbs/hr):	354	404
<u>Sound Data @</u>		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2010-11-16	

Electrical

LRA-High*(Amp):	68.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	21.0
Max Operating Current(Amp):	14.0
RLA, MCC/1.4;use for contactor selection (Amp):	15.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	13.5
RPM:	3500
Box IP	21
UL File No:	SA-2337
UL File Date:	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in ³ /Rev):	2.08
Displacment(ft ³ /hr):	252.66
Overall Length (in):	9.50
Overall Width (in):	9.50
Overall Height (in):	15.86
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.08 *
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):	50.1
Internal Free Volume (in ³):	118.0
Horse Power:	
*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	014-0064-08	40.0	0.0	370	

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
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