

ZP31K5E-PFV

HFC, R-410A, 60Hz, 1- Phase, 208/230 V

Air Conditioning



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)	45 / 130	50 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	70.0 / 85.0
Capacity (Btu/hr)	31100	42500
Power (Watts):	3070	2020
Current (Amps):	13.50	9.10
EER (Btu/Wh):	10.10	21.10
Mass Flow (lbs/hr):	459	525
Sound Power (dBA):	68 Avg	73 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2012-12-10	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	1.80
Bore Size(in):	0.00	Displ(ft ³ /hr):	218.75
Stroke(in):	0.00		
Overall Length (in):	9.56	Mounting Length (in):	7.50
Overall Width (in):	9.56	Mounting Width (in):	7.50
Overall Height (in):	15.27	Mounting Height (in):	16.02 *
Suction Size (in):	3/4 Stub		
Discharge Size (in):	1/2 Stub		
Oil Recharge (oz):	21		
Initial Oil Charge (oz):	25		
Net Weight (lbs):	49		
Internal Free Volume (in ³):	119.4		
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	79.0	MCC (Amps):	26.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	16-Dec-2003
LRA Low*:		Max Operating Current:	17.8		
RLA(=MCC/1.4;use for contactor selection):	18.6				
RLA(=MCC/1.56;use for breaker & wire size selection):	16.7				
*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	014-0064-25	45.0	0.0	370	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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