

# ZP51K5E-PFV

HFC, R-410A, 60 Hz, 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

Evaporator Temp. (°F)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	51000	69500
Power (W):	4860	3240
Current (Amps):	21.80	15.00
EER (Btu/Wh):	10.50	21.40
Mass Flow (lbs/hr):	755	850
<u>Sound Data @ 45 / 130</u>		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2015-10-09	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	2.94
Displacment(ft <sup>3</sup> /hr):	357.29
Overall Length (in):	9.56
Overall Width (in):	9.56
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):	36
Net Weight (lbs):	75.0
Internal Free Volume (in <sup>3</sup> ):	172.1
Horse Power:	

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

## Electrical

LRA-High*(Amp):	134.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	41.2
Max Operating Current(Amp):	31.0
RLA, MCC/1.4;use for contactor selection (Amp):	29.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	26.4
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.

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-27	80.0	0.0	370	OPTIONAL
Run Capacitor	014-0064-34	70.0	0.0	370	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
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