

# ZP21K5E-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)	21300	29000
Power (W):	2170	1400
Current (Amps):	9.50	6.30
EER (Btu/Wh):	9.80	20.60
Mass Flow (lbs/hr):	313	356
<u>Sound Data @ 45 / 130</u>		
Sound Power (dBA):	66 Avg	71 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-03-01	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	1.24
Displacment(ft <sup>3</sup> /hr):	150.69
Overall Length (in):	9.56
Overall Width (in):	9.56
Overall Height (in):	15.27
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.02 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	21
Net Weight (lbs):	47.0
Internal Free Volume (in <sup>3</sup> ):	129.6
Horse Power:	

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

## Electrical

LRA-High*(Amp):	58.3
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	20.0
Max Operating Current(Amp):	12.0
RLA, MCC/1.4;use for contactor selection (Amp):	14.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	12.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	2003-12-16

\*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	014-0064-08	40.0	0.0	370	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
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