

# ZR16K5E-PFV

HFC, R-407C, 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)	45.00	50.00
Condensing Temp. (°F)	130.00	100.00
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	14650	20200
Power (W):	1490	975
Current (Amps):	6.50	4.40
EER (Btu/Wh):	9.80	20.70
Mass Flow (lbs/hr):	213	248
<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	

## Mechanical

Displacment (in <sup>3</sup> /Rev):	1.31
Displacment (ft <sup>3</sup> /hr):	158.84
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):	47.70
Internal Free Volume (in <sup>3</sup> ):	128.00
Horse Power:	1.30

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

## Electrical

LRA High*(Amp):	40.3
LRA Low* (Amp):	
LRA Half Winding (Amp):	
MCC (Amps):	13.0
Max Operating Current(Amp):	3500
RLA, MCC/1.4;use for contactor selection (Amp):	9.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	8.3
RPM:	9.0
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.

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-06	30.0	0.0	370	

## Alternate Applications

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