

# ZR16K5E-PFV

HFC, R-407C, 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
	65 / Jasper_SubC	70 / Jasper_SubC
Capacity (Btu/hr)	<del>9950</del>	<del>9020</del>
Power (Watts):	1490	975
Current (Amps):	6.50	4.40
EER (Btu/Wh):	9.80	20.70
Mass Flow (lbs/hr):	213	248
Sound Power (dBA):	68 Avg	73 Max
Vibration (mils(peak-))	2.0 Avg	3.0 Max
Record Date:	2010-11-16	
<u>Jasper_RGSubCool</u>		

## Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	1.31
Bore Size(in):	0.00	Displ(ft^3/hr): 158.84
Stroke(in):	0.00	
Overall Length (in):	9.50	Mounting Length (in): 7.50
Overall Width (in):	9.50	Mounting Width (in): 7.50
Overall Height (in):	15.86	Mounting Height (in): 16.08 *
Suction Size (in):	3/4 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	19	
Initial Oil Charge (oz):	25	
Net Weight (lbs):	47.7	
Internal Free Volume (in^3):	128.0	
Horse Power:	1.3	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

## Electrical

LRA-High*:	40.3	MCC (Amps):	13.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:	9.0		
RLA(=MCC/1.4;use for contactor selection):			9.3		
RLA(=MCC/1.56;use for breaker & wire size)			8.3		
*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	014-0064-06	30.0	0.0	370	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	1	208/230	

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### Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0044-15	1	SPACER-MOUNTING ASSM	
99	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	914-0037-10	1	RUN CAP KIT W/CLAMP	
99	918-0052-00	1	CRANKCASE HEATER KIT	240V 40W WRAP AROUND
99	918-0052-01	1	CRANKCASE HEATER KIT	120V 40W WRAP AROUND

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### Accessories

<u>PartNumber</u>	<u>Description</u>
018-0094-00	Crankcase Heater, 240V, 40W
018-0094-01	Crankcase Heater, 120V, 40W
018-0094-03	Crankcase Heater, 480V, 40W, 21.25" Lead Length
018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length
018-0094-00	Crankcase Heater, 240V, 40W
018-0094-01	Crankcase Heater, 120V, 40W
018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length

**Common U.S. Service Bill Of Materials**

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
800	Stub	3/4"	Stub	1/2"		Yes	-	-	-	-	-
830	Stub	3/4"	Stub	1/2"		Yes	-	-	-	-	-

\* Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.