

# ZR21K5E-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

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>50 / 100</u>
<u>RG(°F)/SubCool(°F)</u>	<u>65 / 15</u>	<u>70 / 15</u>
Capacity (Btu/hr)	20200	27500
Power (Watts):	2040	1300
Current (Amps):	8.70	5.80
EER (Btu/Wh):	9.90	21.10
Mass Flow (lbs/hr):	294	338
Sound Power (dBA):	68 Avg	73 Max
Vibration (mils(peak- Record Date:	2.0 Avg	3.0 Max
	2010-11-16	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	1.77
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	214.86
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):		46.9	
Internal Free Volume (in <sup>3</sup> ):		131.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	56.0	MCC (Amps):	16.8	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:	13.0		
RLA(=MCC/1.4;use for contactor selection):		12			
RLA(=MCC/1.56;use for breaker & wire size		10.8			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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>
2	527-0044-15	1	SPACER-MOUNTING ASSM	
14	529-0060-24	1	POWER CABLE-MOLDED PLUG	
13	914-0037-11	1	RUN CAP KIT W/CLAMP	
1	918-0052-00	1	CRANKCASE HEATER KIT	240V 40W WRAP AROUND
1	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.