

ZR38K5E-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)	9050	9050
Power (Watts):	3490	2310
Current (Amps):	16.30	11.25
EER (Btu/Wh):	10.50	21.35
Mass Flow (lbs/hr):	532	607
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak- Vibration (mils(peak- Record Date:	2.0 Avg	3.0 Max
	2010-11-16	
<u>Jasper_RGSubCool</u>		

Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	3.11
Bore Size(in):	0.00	Displ(ft^3/hr):
Stroke(in):	0.00	377.71
Overall Length (in):	9.69	Mounting Length (in):
Overall Width (in):	9.69	7.50
Overall Height (in):	16.94	Mounting Width (in):
		7.50
		Mounting Height (in):
		17.17 *
Suction Size (in):	7/8 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	34	
Initial Oil Charge (oz):	42	
Net Weight (lbs):	64.9	
Internal Free Volume (in^3):	207.6	
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*:	112.0	MCC (Amps):	30.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:	21.0		
RLA(=MCC/1.4;use for contactor selection):			21.4		
RLA(=MCC/1.56;use for breaker & wire size			19.2		
*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	014-0064-28	55.0	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	527-0116-00	1	SPACER-MOUNTING ASSM	
99	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	914-0037-39	1	RUN CAP KIT	
99	918-0041-00	1	HEATER-CRANKCASE	240V 40W WRAP AROUND
99	918-0041-01	1	HEATER-CRANKCASE	120V 40W WRAP AROUND

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Accessories

<u>PartNumber</u>	<u>Description</u>
018-0095-00	Crankcase Heater, 240V, 70W, 21" Lead Length
018-0095-01	Crankcase Heater, 480V, 70W, 21" Lead Length
018-0095-02	Crankcase Heater, 575V, 70W, 21" Lead Length
018-0095-03	Crankcase Heater, 240V, 70W, 32" Lead Length
018-0095-04	Crankcase Heater, 240V, 70W, 48" Lead Length
018-0095-05	Crankcase Heater, 480V, 70W, 48" Lead Length
018-0095-06	Crankcase Heater, 575V, 70W, 48" Lead Length
018-0095-07	Crankcase Heater, 120V, 70W, 48" Lead Length
018-0095-08	Crankcase Heater, 400V, 70W, 48" Lead Length
018-0095-09	Crankcase Heater, 277V, 70W, 21" Lead Length
018-0096-00	Crankcase Heater, 240V, 40W, 21.75" Lead Length
018-0096-01	Crankcase Heater, 120V, 40W, 21.75" Lead Length
018-0096-02	Crankcase Heater, 480V, 40W, 21.75" Lead Length
018-0096-03	Crankcase Heater, 575V, 40W, 21.75" Lead Length
018-0096-04	Crankcase Heater, 240V, 40W, 48.25" Lead Length
018-0096-05	Crankcase Heater, 480V, 40W, 48.25" Lead Length
018-0096-06	Crankcase Heater, 240V, 40W, 31.75" 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	7/8"	Stub	1/2"		Yes	-	-	-	-	-
830	Stub	7/8"	Stub	1/2"		Yes	-	-	-	-	-
860	Rotalock	1 1/4"	Rotalock	1"		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.