

ZR68KCE-TFD

HCFC, R-22, 60Hz, 3- Phase, 460 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	45 / 100
RG(°F)/Liq(°F)	65 / 115	65 / 85
Capacity (Btu/hr)	70000	82000
Power (Watts):	5950	4250
Current (Amps):	8.70	6.80
EER (Btu/Wh):	11.80	19.30
Mass Flow (lbs/hr):	1030	1060
Sound Power (dBA):	75 Avg	80 Max
Vibration (mils(peak- Record Date: 2014-03-06	2.0 Avg	3.0 Max

Mechanical

Number of Cylinders:0	Displ(in ³ /Rev):	5.68
Bore Size(in): 0.00	Displ(ft ³ /hr):	689.79
Stroke(in): 0.00		
Overall Length (in): 9.69	Mounting Length (in):	7.50
Overall Width (in): 9.69	Mounting Width (in):	7.50
Overall Height (in): 17.75	Mounting Height (in):	18.00 *
Suction Size (in):	7/8 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	56	
Initial Oil Charge (oz):	60	
Net Weight (lbs):	86	
Internal Free Volume (in ³):	362.0	
Horse Power:	5.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*: 75.0	MCC (Amps): 14.0	UL File No: SA-2337
LRA-Half Winding:	RPM:	UL File Date: 26-Jul-1993
LRA Low*:	Max Operating Current: 12.1	
RLA(=MCC/1.4;use for contactor selection):	10	
RLA(=MCC/1.56;use for breaker & wire size)	9	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.		

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-134a HFC	50	3	380/420	Air Conditioning
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning

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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	918-0043-00	1	HEATER-CRANKCASE	240V 70W WRAP AROUND
99	918-0043-01	1	HEATER-CRANKCASE	480V 70W 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
018-0095-00	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
085-0160-00	3 Phase Voltage Monitor. For use with all Copeland 3 Phase Compressors. Consult model family nomenclature for electrical definition in the model number.
527-0116-00	Kit: Spacer Mounting, 30-35 Durometer, 1.45" OD, 0.44" ID, 0.75" Height
918-0043-00	Kit: Crankcase Heater, 240V, 70W, Wrap Around 48" Leads
918-0043-01	Kit: Crankcase Heater, 480V, 70W, Wrap Around 48" Leads
918-0043-02	Kit: Crankcase Heater, 575V, 70W, Wrap Around 48" Leads
918-0043-07	Kit: Crankcase Heater, 120V, 70W, Wrap Around 48" Leads
998-E022-01	Polyol Ester Oil. Approved for use with specific Copeland Hermetic & Semi Hermetic models. Consult specific model family nomenclatures for oil identifier in the model number.

Scott Kohler

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Common U.S. OEM 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
230	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	-	-	-	-	-	-
250	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	-	-	-	-	-	-
260	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2 Conduit	-	-	-	-	-	-
265	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2 Conduit	-	-	-	-	-	-

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
803	Stub	7/8"	Stub	1/2"		-	-	-	-	-	-

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
930	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	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.