

ZR61KCE-TF5

HFC, R-407C, 60Hz, 3- Phase, 200/230 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	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	60000	71700
Power (Watts):	5360	3780
Current (Amps):	16.55	13.20
EER (Btu/Wh):	11.20	19.00
Mass Flow (lbs/hr):	867	886
Sound Power (dBA):	74 Avg	79 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-08-05	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	5.04
Bore Size(in):	0.00	Displ(ft^3/hr):	612.50
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):	62		
Initial Oil Charge (oz):	66		
Net Weight (lbs):	78		
Internal Free Volume (in^3):	272.0		
Horse Power:	5		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	128.0	MCC (Amps):	29.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	25.0		
RLA(=MCC/1.4;use for contactor selection):	20.7				
RLA(=MCC/1.56;use for breaker & wire size selection):	18.6				
*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	200/220	Air Conditioning
R-407C HFC	50	3	200/220	Air Conditioning
R-134a HFC	60	3	200/230	Air Conditioning

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
2	527-0116-00	1	SPACER-MOUNTING ASSM	
1	918-0043-00	1	HEATER-CRANKCASE	240V 70W WRAP AROUND
1	918-0043-01	1	HEATER-CRANKCASE	480V 70W WRAP AROUND

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Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	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
	918-0043-00	Crankcase Heater Kit, 240V, 70W, Wrap Around, 48" Lead Length
	918-0043-01	Crankcase Heater Kit, 480V, 70W, Wrap Around, 48" Lead Length
	918-0043-02	Crankcase Heater Kit, 575V, 70W, Wrap Around, 48" Lead Length
	918-0043-07	Crankcase Heater Kit, 120V, 70W, Wrap Around, 48" Lead Length

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Electrical Components	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.
Miscellaneous	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.
Mounting	527-0116-00	Spacer Mounting Kit, 30-35 Durometer, 1.45" OD, 0.44" ID, 0.75" Height

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	-	-	-	-	-	-
250	Stub	7/8"	Stub	1/2"	SCREW 1/2	-	-	-	-	-	-
260	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2	-	-	-	-	-	-
265	Rotalock	1 1/4"	Rotalock	1"	SCREW 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
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	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.