

# ZR125KCE-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

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>45 / 100</u>
	<u>65 / Jasper_SubC</u>	<u>65 / Jasper_SubC</u>
Capacity (Btu/hr)	<del>12500</del>	<del>95100</del>
Power (Watts):	10850	7700
Current (Amps):	32.60	25.10
EER (Btu/Wh):	11.60	19.60
Mass Flow (lbs/hr):	1820	1870
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak- V)):	3.0 Avg	4.0 Max
Record Date:	2007-08-24	
<u>Jasper_RGSubCool</u>		

## Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	10.20
Bore Size(in):	0.00	Displ(ft^3/hr):
Stroke(in):	0.00	1239.34
Overall Length (in):	10.38	Mounting Length (in):
Overall Width (in):	11.23	7.50
Overall Height (in):	21.00	Mounting Width (in):
		7.50
		Mounting Height (in):
		21.75 *
Suction Size (in):	1 3/8 Stub	
Discharge Size (in):	7/8 Stub	
Oil Recharge (oz):	106	
Initial Oil Charge (oz):	110	
Net Weight (lbs):	135	
Internal Free Volume (in^3):	809.0	
Horse Power:	10	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

## Electrical

LRA-High*:	239	MCC (Amps):	58.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	39.1		
RLA(=MCC/1.4;use for contactor selection):			41.4		
RLA(=MCC/1.56;use for breaker & wire size)			37.2		
*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-407C HFC	50	3	200/220	Air Conditioning
R-22 HCFC	60	3	200/230	
R-134a HFC	60	3	200/230	Air Conditioning
R-22 HCFC	50	3	200/220	
R-134a HFC	50	3	200/220	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	
99	910-0715-00	1	OIL ADJUSTMENT VALVE KIT	
1	918-0047-00	1	HEATER-CRANKCASE	120V 90W WRAP AROUND
1	918-0047-01	1	HEATER-CRANKCASE	240V 90W WRAP AROUND
1	918-0047-02	1	HEATER-CRANKCASE	480V 90W WRAP AROUND
11	998-0010-00	1	ALL AC SCROLL SG KIT	
13	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
13	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
13	998-0034-04	1	ADPTR 13/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
13	998-0034-04	1	ADPTR 13/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
13	998-0034-07	1	ADPTR 11/4-12 TO 3/4 ID	DISCHARGE ROTALOCK TO SWEAT
13	998-0034-08	1	ADPTR 11/4-12 TO 7/8 ID	DISCHARGE ROTALOCK TO SWEAT
13	998-0034-10	1	ADPTR 13/4-12 TO 11/8 ID	SUCTION ROTALOCK TO SWEAT
13	998-0034-13	1	ADPTR 13/4-12 TO 13/8 ID	SUCTION ROTALOCK TO SWEAT

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## Accessories

<u>PartNumber</u>	<u>Description</u>
018-0067-03	Crankcase Heater, 575v, 90w, wrap around, 48" leads.
018-0091-00	Crankcase Heater, 120 volts, 90 watts, 48 inch
018-0091-01	Crankcase Heater, 240 volts, 90 watts, 48 inch
018-0091-02	Crankcase Heater, 480 volts, 90 watts, 48 inch
020-0028-02	1 1/4" - 12 discharge valve seal
020-0028-03	1 3/4" - 12 valve seal
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.
510-0080-04	3/4" discharge valve (solder)
510-0080-07	7/8" discharge valve (solder)
510-0330-00	Discharge Valve-Rotalock Assm
510-0330-01	1 1/8" suction valve (solder)
527-0210-00	Kit: Spacer Mounting, 55-65 Durometer, 1.62" OD, 0.44" ID, 1.75" Height
998-0243-00	Thermostat Kit, contains both thermostats for models manufactured both before, & after 89G date code
998-0510-02	Suction valve kit includes. 1 1/8" rotalock suction service valve (510-0330-01) and 1 3/4" - 12 suction valve seal (020-0028-03)
998-0510-38	Kit: Service Valve, Includes 3/4" Rotalock Service Valve and 1 1/4"-12 Valve Seal
998-0510-39	Kit: Service Valve, Includes 7/8" Rotalock Service Valve and 1 1/4"-12 Valve Seal
998-0510-46	Kit: Service Valve, Includes Service Valve and Seal, Rotalock, 1 3/8" Sweat
998-5100-24	Suction & Discharge Valve Kit. includes rotalock suction and discharge service valves and seals. 1 1/8" Suction Valve, 3/4" Discharge Valve, 1 3/4" - 12 Suction Valve Seal, 1 1/4" - 12 Discharge Valve Seal
998-5100-25	Suction & Discharge Valve Kit. includes rotalock suction and discharge service valves and seals. 1 3/8" Suction Valve, 3/4" Discharge Valve, 1 3/4" - 12 Suction Valve Seal, 1 1/4" - 12 Discharge Valve Seal
998-5100-27	Kit: Service Valve, Includes Rotalock Service Valves and seals, 1 3/8" Valve, 7/8" Valve, 1 3/4"-12 Valve Seal, 1 1/4" Valve Seal
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.

**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
250	Stub	1 3/8"	Stub	7/8"	SCREW	-	-	-	-	-	-
265	Rotalock	1 3/4"	Rotalock	1 1/4"	SCREW	-	-	-	-	-	-

**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
950	Stub	1 3/8"	Stub	7/8"	SCREW	Yes	Yes	-	-	-	-
965	Rotalock	1 3/4"	Rotalock	1 1/4"	SCREW	Yes	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.