

## ZR94KCE-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>RG(°F)/SubCool(°F)</u>	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	94000	113000
Power (Watts):	8310	5780
Current (Amps):	25.60	20.10
EER (Btu/Wh):	11.40	19.60
Mass Flow (lbs/hr):	1370	1405
Sound Power (dBA):	79 Avg	84 Max
Vibration (mils(peak- Record Date:	3.0 Avg 2007-12-06	4.5 Max

### Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	7.76
Bore Size(in):	0.00	Displ(ft^3/hr):	942.81
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	18.75	Mounting Height (in):	19.50 *
Suction Size (in):	1 1/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	81		
Initial Oil Charge (oz):	85		
Net Weight (lbs):	125		
Internal Free Volume (in^3):	639.0		
Horse Power:	8		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

### Electrical

LRA-High*:	195.0	MCC (Amps):	45.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	31.8		
RLA(=MCC/1.4;use for contactor selection):		32.1			
RLA(=MCC/1.56;use for breaker & wire size		28.8			
*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-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	918-0047-00	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	SIGHTGLASS 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	998-0034-03	1	ADPTR 11/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
13	998-0034-03	1	ADPTR 11/8 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	998-0034-10	1	ADPTR 13/4-12 TO 11/8 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	Spacer Mounting Assembly
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	Discharge valve kit. includes 3/4" rotalock discharge service valve (510-0080-04) and 1 1/4" - 12 suction valve seal (020-0028-02)
998-0510-39	Discharge valve kit. includes 7/8" rotalock discharge service valve (510-0080-07) and 1 1/4" - 12 suction valve seal (020-0028-02)
998-0510-46	Service valve kit. includes 1 3/8" rotalock discharge service valve (510-0330-03)
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	Suction & Discharge Valve Kit. includes rotalock suction and discharge service valves and seals. 1 3/8" Suction Valve, 7/8" Discharge Valve, 1 3/4" - 12 Suction Valve Seal, 1 1/4" - 12 Discharge 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	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	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.**