

## ZR57K3E-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)	58500	68500
Power (Watts):	5000	3440
Current (Amps):	7.30	5.60
EER (Btu/Wh):	11.70	19.90
Mass Flow (lbs/hr):	860	880
Sound Power (dBA):	74 Avg	79 Max
Vibration (mils(peak- Record Date:	2.0 Avg 2014-03-06	3.0 Max

### Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	4.71	
Bore Size(in):	0.00	Displ(ft^3/hr):	572.40
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):	17.24	Mounting Height (in):	17.99 *
Suction Size (in):	7/8 Stub		
Discharge Size (in):	1/2 Stub		
Oil Recharge (oz):	62		
Initial Oil Charge (oz):	66		
Net Weight (lbs):	85		
Internal Free Volume (in^3):	257.0		
Horse Power:	4.75		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

### Electrical

LRA-High*:	62.0	MCC (Amps):	12.8	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	11.0		
RLA(=MCC/1.4;use for contactor selection):	9.1				
RLA(=MCC/1.56;use for breaker & wire size	8.2				
*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-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	529-0060-24	1	POWER CABLE-MOLDED PLUG	
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
930	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	Yes	-	-	-	-	-
950	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	Yes	-	-	-	-	-
965	Rotalock	1 1/4"	Rotalock	1"	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.