

ZRT144KCE-TFD**Tandem**

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	144000	169000
Power (W):	12600	9100
Current (Amps):	18.30	14.20
EER (Btu/Wh):	11.40	18.60
Mass Flow (lbs/hr):	2110	2170
<u>Sound Data @</u>		
Sound Power (dBA):	78 Avg	83 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2014-03-06	

Mechanical

Displacement(in ³ /Rev):	11.97
Displacement(ft ³ /hr):	1454.20
Overall Length (in):	24.65
Overall Width (in):	11.69
Overall Height (in):	18.80
Mounting Length (in):	21.50
Mounting Width (in):	7.50
Mounting Height (in):	19.13 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	114
Oil Recharge (oz):	106
Net Weight (lbs):	205.0
Internal Free Volume (in ³):	496.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	
RPM:	3500
UL File No:	SA-2337
UL File Date:	1993-07-26
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Capacitors**Alternate Applications**

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-134a HFC	380/420	3	50	A/C, Half of Even Tandem
R-134a HFC	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-134a HFC	460	3	60	A/C, Half of Even Tandem
R-22 HCFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/420	3	50	A/C, Half of Even Tandem
R-22 HCFC	460	3	60	A/C, Half of Even Tandem
R-407C HFC	460	3	60	A/C, Half of Even Tandem
R-407C HFC	380/420	3	50	Air Conditioning
R-407C HFC	380/420	3	50	A/C, Half of Even Tandem

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-407C HFC	460	3	60	Air Conditioning

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
2	527-0150-00	1	SPACER-MOUNTING ASSM	
2	527-0181-00	2	SPACER-MOUNTING KIT	
1	918-0043-00	2	HEATER-CRANKCASE	240V 70W WRAP AROUND
1	918-0043-01	2	HEATER-CRANKCASE	480V 70W WRAP AROUND
15	ZRT144KCE-TFD-950	1	WELD COMP	

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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

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 1/8"	Stub	3/4"	SCREW	Yes	-	-	-	-	-
255	Stub	1 1/8"	Stub	3/4"	SCREW	Yes	-	-	-	-	-

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 1/8"	Stub	3/4"	SCREW	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.**