

ZRT144KCE-TFD**Tandem**

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)	144000	169000
Power (Watts):	12600	9100
Current (Amps):	18.30	14.20
EER (Btu/Wh):	11.40	18.60
Mass Flow (lbs/hr):	2110	2170
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak- Record Date:	2.0 Avg	3.0 Max
	2014-03-06	

Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	11.97
Bore Size(in): 0.00	Displ(ft^3/hr):	1454.20
Stroke(in): 0.00		
Overall Length (in): 24.65	Mounting Length (in):	21.50
Overall Width (in): 11.69	Mounting Width (in):	7.50
Overall Height (in): 18.80	Mounting Height (in):	19.13 *
Suction Size (in):	1 1/8 Stub	
Discharge Size (in):	3/4 Stub	
Oil Recharge (oz):	106	
Initial Oil Charge (oz):	114	
Net Weight (lbs):	205	
Internal Free Volume (in^3):	496.0	
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*:	MCC (Amps):	0.0	UL File No:	SA-2337
LRA-Half Winding:	RPM:		UL File Date:	26-Jul-1993
LRA Low*:	Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):				
RLA(=MCC/1.56;use for breaker & wire size				
*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	380/420	A/C, Half of Even Tandem
R-134a HFC	60	3	460	A/C, Half of Even Tandem
R-407C HFC	50	3	380/420	A/C, Half of Even Tandem
R-22 HCFC	50	3	380/420	A/C, Half of Even Tandem
R-407C HFC	60	3	460	A/C, Half of Even Tandem
R-22 HCFC	60	3	460	A/C, Half of Even Tandem
R-134a HFC	50	3	380/420	Air Conditioning
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning

Alternate Applications

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

ZRT144KCE-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.

Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0150-00	1	SPACER-MOUNTING ASSM	
99	527-0181-00	2	SPACER-MOUNTING KIT	
99	918-0043-00	2	HEATER-CRANKCASE	240V 70W WRAP AROUND
99	918-0043-01	2	HEATER-CRANKCASE	480V 70W WRAP AROUND
99	ZRT144KCE-TFD-950	1	WELD COMP	

ZRT144KCE-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.

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

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.**