

ZRT144KCE-TFD**Tandem**

HFC, R-407C, 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	137000	166000
Power (Watts):	12800	8900
Current (Amps):	18.60	13.90
EER (Btu/Wh):	10.70	18.60
Mass Flow (lbs/hr):	2000	2060
Sound Data @		
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-04-18	

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):	3500	UL File No:	
LRA-Half Winding:	RPM:		UL File Date:	28-Jun-1996
LRA Low*:	Max Operating Current:	null		
RLA(=MCC/1.4;use for contactor selection):		1		
RLA(=MCC/1.56;use for breaker & wire size selection):		null		
*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	380/420	A/C, Half of Even Tandem
R-134a HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning
R-134a HFC	60	3	460	A/C, Half of Even Tandem
R-22 HCFC	50	3	380/420	A/C, Half of Even Tandem
R-22 HCFC	60	3	460	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-22 HCFC	60	3	460	A/C, Half of Even Tandem
R-407C HFC	60	3	460	A/C, Half of Even Tandem
R-407C HFC	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	50	3	380/420	A/C, Half of Even Tandem