

ZR22K3E-TFD

HFC, R-407C, 50 Hz, 3 - Phase, 380/420 V , [Also Available with Variable Frequency Drives](#)

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			Mechanical					
Evaporator Temp. (°F)	45.00	45	Displacement (in^3/Rev):			1.87		
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):					
Return Gas Temp. (°F)	65.00	65	Overall Length (in):			9.69		
Liquid Temp. (°F)	115.00	85	Overall Width (in):			9.69		
Capacity (BTU/hr)	17500	21100	Overall Height (in):			14.84		
Power (W):	1670	1090	Mounting Length (in):			7.50		
Current (Amps):	3.1	2.3	Mounting Width (in):			7.50		
EER(BTU/Wh):	10.5	19.3	Mounting Height (in):			15.08		
Mass Flow (lbs/hr):	254	262	Suction Size (in),Type:			3 / 4 Stub		
Sound Data @			Discharge Size (in),Type:			1 / 2 Stub		
Sound Power (dBA):	65 Avg	70 Max	Initial Oil Charge (oz):			38		
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):			34		
Record Date:	2005-04-15		Oil Type:			3MA		
			Net Weight (lbs):			54.1		
			Internal Free Volume (in^3):			175.0		
			Horse Power:			1.8		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):		24.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		21.0	No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):		5.5						
Max Operating Current (Amps):		4.2						
RLA, MCC/1.4(use for contactor selection)(Amps):		3.9						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):		3.5						
RPM:		2900						
Box IP :		21						
UL File No:		SA-2337						
UL File Date:		2014-03-21						
			LineID:COPELAND.EMERSON					
			TEL:085-440-0736					

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which the motor is approved.

Alternate Applications				
Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-407C HFC	460	3	60	Air Conditioning

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