

ZR40K3E-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. (°C)	7	7	Displacement (cm ³ /Rev):	54.24
Condensing Temp. (°C)	54	38	Displacement (m ³ /Hr):	
Return Gas Temp. (°C)	18	18	Overall Length (mm):	246.13
Liquid Temp. (°C)	46	29	Overall Width (mm):	246.13
Capacity (Watts)	9290	11225	Overall Height (mm):	399.54
Power (W):	2960	1940	Mounting Length (mm):	190.50
Current (Amps):	5.4	4.1	Mounting Width (mm):	190.50
EER(BTU/Wh):	18.18	33.64	Mounting Height (mm):	405.64
Mass Flow (lbs/hr):	58.09	59.85	Suction Size (mm),Type:	76.20 / 101.60 Stub
Sound Data @			Discharge Size (mm),Type:	25.40 / 50.80 Stub
Sound Power (dBA):	68 Avg	73 Max	Initial Oil Charge (ml):	1242.11
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (ml):	1123.81
Record Date:	2005-04-15		Net Weight (kg):	28.12
			Internal Free Volume (cm ³):	3129.92
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA High* (Amps):	46.0	No data available in table					
LRA Low*(Amps):	41.0						
LRA Half Winding (Amps):							
MCC (Amps):	9						
Max Operating Current (Amps):	7.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	6.4						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	5.8						
RPM:	2900						
Box IP :	21						
UL File No:							
UL File Date:	1994-06-14						

*Low and High refer to the low and high nominal voltage ranges for 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