

ZR54K5E-TFD

HCFC, R-22, 60 Hz, 3 - Phase, 460 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	50	Displacement (in ³ /Rev):	4.40
Condensing Temp. (°F)	130.00	100	Displacement (ft ³ /Hr):	
Return Gas Temp. (°F)	65.00	70	Overall Length (in):	9.69
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.69
Capacity (BTU/hr)	53500	69400	Overall Height (in):	16.94
Power (W):	4740	3140	Mounting Length (in):	7.50
Current (Amps):	6.8	5.1	Mounting Width (in):	7.50
EER(BTU/Wh):	11.3	22.1	Mounting Height (in):	17.17
Mass Flow (lbs/hr):	785	889	Suction Size (in),Type:	7 / 8 Stub
Sound Data @ 45 / 130			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	73 Avg	78 Max	Initial Oil Charge (oz):	42
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	34
Record Date:	2015-10-13		Oil Type:	3MA
			Net Weight (lbs):	68.3
			Internal Free Volume (in ³):	193.0
			Horse Power:	4.5
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
LRA High* (Amps):	52.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	11						
Max Operating Current (Amps):	10.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	7.9						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	7.1						
RPM:	3500						
Box IP :	21						
UL File No:	SA-2337						
UL File Date:							

*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-22 HCFC	380/420	3	50	Air Conditioning
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning