

ZR54K3E-TFD

HFC, R-407C, 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)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	52100	62700
Power (Watts):	4850	3210
Current (Amps):	7.25	5.40
EER (Btu/Wh):	10.75	19.50
Mass Flow (lbs/hr):	752	775
Sound Power (dBA):	74 Avg	79 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-08-07	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	4.47
Bore Size(in):	0.00	Displ(ft ³ /hr):	542.99
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	17.24	Mounting Height (in):	17.99 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		62	
Initial Oil Charge (oz):		66	
Net Weight (lbs):		82	
Internal Free Volume (in ³):		256.0	
Horse Power:		4.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	49.5	MCC (Amps):	10.5	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	10.0		
RLA(=MCC/1.4;use for contactor selection):		7.5			
RLA(=MCC/1.56;use for breaker & wire size selection):		6.7			
*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-407C HFC	50	3	380/420	Air Conditioning