

ZF54K5E-TFC

HFC, R-407C, 50 Hz, 3- Phase, 200 V
 Low Temp, Liquid Injected

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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	36500	23900
Power (W):	8070	7140
Current (Amps):	30.95	29.30
EER (Btu/Wh):	4.50	3.35
Mass Flow (lbs/hr):	471	307
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-)	0.0 Avg	0.0 Max
Record Date:	2017-10-31	

Mechanical

Number of Cylinders:	0	Displacement(in ³ /Rev):	16.95
Bore Size(in):	0.00	Displacement(ft ³ /hr):	1706.76
Stroke(in):	0.00		
Overall Length (in):	14.29	Mounting Length (in):	7.50
Overall Width (in):	12.28	Mounting Width (in):	7.50
Overall Height (in):	22.21	Mounting Height (in):	22.46 *
Suction Size (in),Type:	1 3/4 Rotalock		
Discharge Size (in),Type:	1 1/4 Rotalock		
Oil Recharge (oz):	110		
Initial Oil Charge (oz):	114		
Net Weight (lbs):	146		
Internal Free Volume (in ³):	17		
Horse Power:	17		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	423	MCC (Amps):	72.6	UL File No:
LRA-Half Winding		RPM:	2900	UL File Date:
LRA Low* (Amp):		Max Operating Current	66.0	
RLA, MCC/1.4;use for contactor selection (Amp):	51.9			
RLA, MCC/1.56;use for breaker & wire size selection	46.5			
*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-404A HFC	50	3	200	Low Temp, Liquid Injected
R-404A HFC	50	3	200	Low Temp, Economized
R-404A HFC	60	3	208/230	Low Temp, Economized
R-404A HFC	60	3	208/230	Low Temp, Liquid Injected
R-507 HFC	50	3	200	Low Temp, Economized
R-507 HFC	60	3	208/230	Low Temp, Economized
R-507 HFC	50	3	200	Low Temp, Liquid Injected
R-507 HFC	60	3	208/230	Low Temp, Liquid Injected
R-22 HCFC	50	3	200	Low Temp, Liquid Injected
R-22 HCFC	60	3	208/230	Low Temp, Liquid Injected

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407C HFC	60	3	208/230	Low Temp, Liquid Injected
R-407C HFC	50	3	200	Low Temp, Economized
R-407C HFC	60	3	208/230	Low Temp, Economized
R-407A HFC	60	3	208/230	Low Temp, Economized
R-407A HFC	60	3	208/230	Low Temp, Liquid Injected
R-407A HFC	50	3	200	Low Temp, Liquid Injected
R-407A HFC	50	3	200	Low Temp, Economized
R-407F HFC	50	3	200	Low Temp, Liquid Injected
R-407F HFC	60	3	208/230	Low Temp, Liquid Injected
R-407F HFC	50	3	200	Low Temp, Economized
R-407F HFC	60	3	208/230	Low Temp, Economized
R-448A HFO	50	3	200	Low Temp, Economized
R-448A HFO	50	3	200	Low Temp, Liquid Injected
R-448A HFO	60	3	208/230	Low Temp, Liquid Injected
R-448A HFO	60	3	208/230	Low Temp, Economized
R-449A HFO	60	3	208/230	Low Temp, Economized
R-449A HFO	60	3	208/230	Low Temp, Liquid Injected
R-449A HFO	50	3	200	Low Temp, Economized
R-449A HFO	50	3	200	Low Temp, Liquid Injected