

ZF09K4E-TFD

HFC, R-507, 50 Hz, 3 -phase, 380/420 V
Low Temp, Low Condensing (Scroll)



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 / 50	-40 / 50
RG(°F)/Liq(°F)	65.0 / 50.0	65.0 / 50.0
Capacity (Btu/hr)	10700	7270
Power (Watts):	1130	1050
Current (Amps):	4.30	4.30
EER (Btu/Wh):	9.50	6.90
Mass Flow (lbs/hr):	144	97
Sound Data @		
Sound Power (dBA):	73 Avg	78 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-08-24	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	2.82
Bore Size(in):	0.00	Displ(ft ³ /hr):	283.96
Stroke(in):	0.00		
Overall Length (in):	9.57	Mounting Length (in):	7.50
Overall Width (in):	9.52	Mounting Width (in):	7.50
Overall Height (in):	15.93	Mounting Height (in):	16.16 *
Suction Size (in):	3/4 Stub		
Discharge Size (in):	1/2 Stub		
Oil Recharge (oz):	45		
Initial Oil Charge (oz):	49		
Net Weight (lbs):	60		
Internal Free Volume (in ³):	237.0		
Horse Power:	3		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	40.0	MCC (Amps):	6.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	28-Feb-1995
LRA Low*:	36.0	Max Operating Current:	6.0		
RLA(=MCC/1.4;use for contactor selection):	4.6				
RLA(=MCC/1.56;use for breaker & wire size selection):	4.2				
*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	60	3	460	Medium Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Low Condensing (Scroll)
R-404A HFC	50	3	380/420	Medium Temp, Liquid Injected
R-404A HFC	50	3	380/420	Low Temp, Low Condensing (Scroll)
R-404A HFC	50	3	380/420	Low Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Liquid Injected
R-507 HFC	60	3	460	Medium Temp, Liquid Injected
R-507 HFC	60	3	460	Low Temp, Liquid Injected
R-507 HFC	50	3	380/420	Medium Temp, Liquid Injected
R-22 HCFC	60	3	460	Medium Temp, Liquid Injected

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	460	Low Temp, Liquid Injected
R-22 HCFC	50	3	380/420	Medium Temp, Liquid Injected
R-22 HCFC	50	3	380/420	Low Temp, Liquid Injected
R-407C HFC	60	3	460	Low Temp, Liquid Injected
R-407C HFC	50	3	380/420	UL Low Temp
R-407A HFC	60	3	460	Low Temp, Liquid Injected
R-407A HFC	50	3	380/420	UL Low Temp
R-407A HFC	50	3	380/420	Low Temp, Liquid Injected
R-407F HFC	60	3	460	Low Temp, Liquid Injected
R-407F HFC	50	3	380/420	Low Temp, Liquid Injected
R-448A HFO	60	3	460	Medium Temp, Liquid Injected
R-448A HFO	60	3	460	Low Temp, Liquid Injected
R-448A HFO	50	3	380/420	Medium Temp, Liquid Injected
R-448A HFO	50	3	380/420	Low Temp, Liquid Injected
R-449A HFO	60	3	460	Medium Temp, Liquid Injected
R-449A HFO	60	3	460	Low Temp, Liquid Injected
R-449A HFO	50	3	380/420	Low Temp, Liquid Injected