

# ZF13K4E-TF5

HFC, R-404A, 60Hz, 3- Phase, 200/230 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)	13000	8750
Power (Watts):	2850	2730
Current (Amps):	8.90	8.70
EER (Btu/Wh):	4.60	3.20
Mass Flow (lbs/hr):	233	156
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-05-16	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	4.10
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	497.78
Stroke(in):	0.00		
Overall Length (in):	11.16	Mounting Length (in):	7.50
Overall Width (in):	9.67	Mounting Width (in):	7.50
Overall Height (in):	18.50	Mounting Height (in):	19.25 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		60	
Initial Oil Charge (oz):		64	
Net Weight (lbs):		85	
Internal Free Volume (in <sup>3</sup> ):		367.2	
Horse Power:		4	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	99.0	MCC (Amps):	18.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	15-Jun-1994
LRA Low*:		Max Operating Current:	16.0		
RLA(=MCC/1.4;use for contactor selection):		13.2			
RLA(=MCC/1.56;use for breaker & wire size selection):		11.9			
*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-407A HFC	50	3	200/220	Low Temp, Liquid Injected
R-507 HFC	60	3	200/230	Low Temp, Low Condensing
R-22 HCFC	50	3	200/220	Medium Temp, Liquid Injected
R-22 HCFC	50	3	200/220	Low Temp, Liquid Injected
R-134a HFC	50	3	200/220	Medium Temp, Liquid Injected
R-134a HFC	50	3	200/220	Low Temp, Liquid Injected
R-134a HFC	50	3	200/220	High Temp
R-404A HFC	50	3	200/220	Medium Temp, Liquid Injected
R-404A HFC	50	3	200/220	Low Temp, Low Condensing
R-507 HFC	50	3	200/220	Medium Temp, Liquid Injected

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	50	3	200/220	Low Temp, Liquid Injected
R-407C HFC	50	3	200/220	
R-407C HFC	50	3	200/220	UL Low Temp
R-407A HFC	50	3	200/220	
R-407A HFC	50	3	200/220	UL Low Temp
R-407F HFC	50	3	200/220	
R-407F HFC	50	3	200/220	Low Temp, Liquid Injected
R-22 HCFC	60	3	200/230	Medium Temp, Liquid Injected
R-22 HCFC	60	3	200/230	Low Temp, Liquid Injected
R-134a HFC	60	3	200/230	Medium Temp, Liquid Injected
R-134a HFC	60	3	200/230	Low Temp, Liquid Injected
R-134a HFC	60	3	200/230	High Temp
R-404A HFC	60	3	200/230	Medium Temp, Liquid Injected
R-404A HFC	60	3	200/230	Low Temp, Low Condensing
R-507 HFC	60	3	200/230	Medium Temp, Liquid Injected
R-507 HFC	60	3	200/230	Low Temp, Liquid Injected
R-407C HFC	60	3	200/230	
R-407C HFC	60	3	200/230	Low Temp, Liquid Injected
R-407A HFC	60	3	200/230	
R-407A HFC	60	3	200/230	Low Temp, Liquid Injected
R-407F HFC	60	3	200/230	
R-407F HFC	60	3	200/230	Low Temp, Liquid Injected
R-407F HFC	60	3	200/230	Low Temp, Liquid Injected
R-404A HFC	50	3	200/220	Low Temp, Liquid Injected