

# ZF11K4E-TF5

HCFC, R-22, 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)	10900	7390
Power (Watts):	2320	2180
Current (Amps):	8.00	7.70
EER (Btu/Wh):	4.70	3.40
Mass Flow (lbs/hr):	145	98
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2004-07-27	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	3.49
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	424.13
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):	16.46	Mounting Height (in):	16.69 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		45	
Initial Oil Charge (oz):		49	
Net Weight (lbs):		64	
Internal Free Volume (in <sup>3</sup> ):		251.0	
Horse Power:		3.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	88.0	MCC (Amps):	17.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	28-Feb-1995
LRA Low*:		Max Operating Current:	14.5		
RLA(=MCC/1.4;use for contactor selection):		12.5			
RLA(=MCC/1.56;use for breaker & wire size selection):		11.2			
*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-507 HFC	50	3	200/220	Low Temp, Liquid Injected
R-404A HFC	60	3	200/230	Low Temp, Liquid Injected
R-407C HFC	60	3	200/230	Low Temp, Liquid Injected
R-407A HFC	50	3	200/220	Low Temp, Liquid Injected
R-407A HFC	60	3	200/230	Low Temp, Liquid Injected
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-404A HFC	50	3	200/220	Medium Temp, Liquid Injected

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