

# ZF18K4E-TFD

HFC, R-404A, 50Hz, 3- Phase, 380/420 V  
Low Temp, Low Condensing



**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)	22300	15100
Power (Watts):	2220	2060
Current (Amps):	5.90	5.80
EER (Btu/Wh):	10.10	7.30
Mass Flow (lbs/hr):	294	198
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2004-03-26	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	5.98
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	602.45
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):		87	
Internal Free Volume (in <sup>3</sup> ):		345.0	
Horse Power:		6	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	74.0	MCC (Amps):	12.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	15-Jun-1994
LRA Low*:	67.0	Max Operating Current:	12.5		
RLA(=MCC/1.4;use for contactor selection):		8.9			
RLA(=MCC/1.56;use for breaker & wire size selection):		8			
*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	60	3	460	
R-407A HFC	60	3	460	
R-407F HFC	60	3	460	
R-407C HFC	50	3	380/420	
R-407F HFC	50	3	380/420	
R-134a HFC	50	3	380/420	Low Temp, Liquid Injected
R-134a HFC	60	3	460	Low Temp, Liquid Injected
R-407C HFC	50	3	380/420	UL Low Temp
R-407F HFC	50	3	380/420	Low Temp, Liquid Injected
R-407A HFC	50	3	380/420	Low Temp, Liquid Injected

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407A HFC	50	3	380/420	UL Low Temp
R-22 HCFC	50	3	380/420	Low Temp, Liquid Injected
R-407C HFC	60	3	460	Low Temp, Liquid Injected
R-407C HFC	60	3	460	UL Low Temp
R-404A HFC	50	3	380/420	Low Temp, Liquid Injected
R-407A HFC	60	3	460	Low Temp, Liquid Injected
R-407F HFC	60	3	460	Low Temp, Liquid Injected
R-507 HFC	50	3	380/420	Low Temp, Liquid Injected
R-22 HCFC	60	3	460	Low Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Liquid Injected
R-507 HFC	60	3	460	Low Temp, Liquid Injected
R-507 HFC	50	3	380/420	Low Temp, Low Condensing
R-134a HFC	50	3	380/420	Medium Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Low Condensing
R-134a HFC	60	3	460	Medium Temp, Liquid Injected
R-404A HFC	50	3	380/420	Medium Temp, Liquid Injected
R-407A HFC	50	3	380/420	UL Medium Temp
R-134a HFC	50	3	380/420	High Temp
R-22 HCFC	50	3	380/420	Medium Temp, Liquid Injected
R-22 HCFC	60	3	460	Medium Temp, Liquid Injected
R-134a HFC	60	3	460	High Temp
R-404A HFC	60	3	460	Medium Temp, Liquid Injected
R-507 HFC	60	3	460	Medium Temp, Liquid Injected
R-507 HFC	50	3	380/420	Medium Temp, Liquid Injected