

# ZF13K4E-TF5

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	12600	8600
Power (W):	2780	2570
Current (Amps):	8.80	8.30
EER (Btu/Wh):	4.50	3.30
Mass Flow (lbs/hr):	168	114
<u>Sound Data @ -25 / 105</u>		
Sound Power (dBA):	78 Avg	83 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2004-07-27	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	4.10
Displacement(ft <sup>3</sup> /hr):	497.78
Overall Length (in):	9.67
Overall Width (in):	10.12
Overall Height (in):	17.40
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.15 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	64
Oil Recharge (oz):	60
Net Weight (lbs):	85.0
Internal Free Volume (in <sup>3</sup> ):	367.2
Horse Power:	4.00

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	99.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	21.0
Max Operating Current(Amp):	16.0
RLA, MCC/1.4;use for contactor selection (Amp):	15.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	13.5
RPM:	3500
UL File No:	SA-2337
UL File Date:	1994-06-15

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	200/230	3	60	Medium Temp, Liquid Injected
R-134a HFC	200/230	3	60	Low Temp, Liquid Injected
R-134a HFC	200/230	3	60	High Temp
R-134a HFC	200/220	3	50	Medium Temp, Liquid Injected
R-134a HFC	200/220	3	50	Low Temp, Liquid Injected
R-134a HFC	200/220	3	50	High Temp
R-404A HFC	200/230	3	60	Medium Temp, Liquid Injected
R-404A HFC	200/230	3	60	Low Temp, Low Condensing
R-404A HFC	200/220	3	50	Low Temp, Liquid Injected
R-404A HFC	200/230	3	60	Low Temp, Liquid Injected

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-404A HFC	200/220	3	50	Medium Temp, Liquid Injected
R-404A HFC	200/220	3	50	Low Temp, Low Condensing
R-507 HFC	200/230	3	60	Medium Temp, Liquid Injected
R-507 HFC	200/230	3	60	Low Temp, Low Condensing
R-507 HFC	200/220	3	50	Medium Temp, Liquid Injected
R-507 HFC	200/220	3	50	Low Temp, Liquid Injected
R-507 HFC	200/230	3	60	Low Temp, Liquid Injected
R-22 HCFC	200/230	3	60	Medium Temp, Liquid Injected
R-22 HCFC	200/220	3	50	Medium Temp, Liquid Injected
R-22 HCFC	200/220	3	50	Low Temp, Liquid Injected
R-407C HFC	200/230	3	60	Low Temp, Liquid Injected
R-407C HFC	200/220	3	50	UL Low Temp
R-407A HFC	200/230	3	60	Low Temp, Liquid Injected
R-407A HFC	200/220	3	50	UL Low Temp
R-407A HFC	200/220	3	50	Low Temp, Liquid Injected
R-407F HFC	200/230	3	60	Low Temp, Liquid Injected
R-407F HFC	200/220	3	50	Low Temp, Liquid Injected
R-448A HFO	200/220	3	50	Low Temp, Low Condensing
R-448A HFO	200/230	3	60	Low Temp, Low Condensing
R-448A HFO	200/230	3	60	Medium Temp, Liquid Injected
R-448A HFO	200/220	3	50	Medium Temp, Liquid Injected
R-448A HFO	200/230	3	60	Low Temp, Liquid Injected
R-448A HFO	200/220	3	50	Low Temp, Liquid Injected
R-449A HFO	200/220	3	50	Low Temp, Low Condensing
R-449A HFO	200/230	3	60	Low Temp, Low Condensing
R-449A HFO	200/230	3	60	Low Temp, Liquid Injected
R-449A HFO	200/220	3	50	Low Temp, Liquid Injected
R-449A HFO	200/230	3	60	Medium Temp, Liquid Injected
R-449A HFO	200/220	3	50	Medium Temp, Liquid Injected