

# ZF03KAE-TF5

HFC, R-407C, 50 Hz, 3 -Phase, 200/220 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)	1865	1345
Power (W):	639	626
Current (Amps):	2.55	2.40
EER (Btu/Wh):	2.90	2.15
Mass Flow (lbs/hr):	26	18
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2018-04-24	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	1.00
Displacment(ft <sup>3</sup> /hr):	100.19
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	15.25
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.00 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	19
Net Weight (lbs):	54.0
Internal Free Volume (in <sup>3</sup> ):	125.0
Horse Power:	1.00

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

## Electrical

LRA-High*(Amp):	31.7
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	5.7
Max Operating Current(Amp):	3.9
RLA, MCC/1.4;use for contactor selection (Amp):	4.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	3.7
RPM:	2900
UL File No:	SA-2337
UL File Date:	1995-02-28

\*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-404A HFC	200/230	3	60	Low Temp, Liquid Injected
R-404A HFC	200/220	3	50	Low Temp, Liquid Injected
R-507 HFC	200/230	3	60	Low Temp, Liquid Injected
R-507 HFC	200/220	3	50	Low Temp, Liquid Injected
R-407C HFC	200/230	3	60	Low Temp, Liquid Injected
R-407A HFC	200/230	3	60	Low Temp, Liquid Injected
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, Liquid Injected

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-448A 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	Low Temp, Liquid Injected