

# ZF18KVE-TFD

HFC , R-407A, 60Hz, 3- Phase, 460 V  
Low Temp, Economized



**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)	23600	15700
Power (Watts):	4100	3860
Current (Amps):	6.60	6.40
EER (Btu/Wh):	5.80	4.10
Mass Flow (lbs/hr):	234	151
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2015-02-05	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	5.98
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	727.10
Stroke(in):	0.00		
Overall Length (in):	12.12	Mounting Length (in):	7.50
Overall Width (in):	9.67	Mounting Width (in):	7.50
Overall Height (in):	17.23	Mounting Height (in):	17.98 *
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:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	70.0	MCC (Amps):	13.2	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:	13.7	
RLA(=MCC/1.4;use for contactor selection):		9.4		
RLA(=MCC/1.56;use for breaker & wire size selection):		8.5		
*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-404A HFC	60	3	460	Medium Temp, Economized
R-404A HFC	60	3	460	Low Temp, Economized
R-507 HFC	60	3	460	Medium Temp, Economized
R-507 HFC	60	3	460	Low Temp, Economized
R-407C HFC	60	3	460	Medium Temp, Economized
R-407C HFC	60	3	460	Low Temp, Economized
R-407A HFC	60	3	460	Medium Temp, Economized
R-407F HFC	60	3	460	Medium Temp, Economized
R-407F HFC	60	3	460	Medium Temp, Economized
R-407F HFC	60	3	460	Low Temp, Economized

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-448A HFO	60	3	460	Medium Temp, Economized
R-448A HFO	60	3	460	Low Temp, Economized
R-449A HFO	60	3	460	Medium Temp, Economized
R-449A HFO	60	3	460	Low Temp, Economized
R-404A HFC	50	3	380/420	Medium Temp, Economized
R-404A HFC	50	3	380/420	Low Temp, Economized
R-507 HFC	50	3	380/420	Medium Temp, Economized
R-507 HFC	50	3	380/420	Low Temp, Economized
R-407C HFC	50	3	380/420	
R-407C HFC	50	3	380/420	
R-407A HFC	50	3	380/420	
R-407A HFC	50	3	380/420	Low Temp, Economized
R-407F HFC	50	3	380/420	
R-407F HFC	50	3	380/420	
R-407F HFC	50	3	380/420	Low Temp, Economized
R-448A HFO	50	3	380/420	Medium Temp, Economized
R-448A HFO	50	3	380/420	Low Temp, Economized
R-449A HFO	50	3	380/420	Medium Temp, Economized
R-449A HFO	50	3	380/420	Low Temp, Economized