

# ZF13KVE-TFD

HFC, R-404A, 50Hz, 3- Phase, 380/420 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(°C)/Cond(°C)	-31.7 / 40.6	-40.0 / 40.6
RG(°C)/Liq(°C)	18.3 / 40.6	18.3 / 40.6
Capacity (Watts)	4700	3250
Power (Watts):	2770	2690
Current (Amps):	5.40	5.30
EER (COP):	1.70	1.20
Mass Flow (g/s):	24	16
Sound Power (dBA):	76 Avg	81 Max
Vibration (mm(peak- Vibration (mm(peak- Record Date:	0.051 Avg	0.076 Max
	2010-06-15	

## Mechanical

Number of Cylinders:	0	Displ(cm <sup>3</sup> /Rev):	67.13
Bore Size(mm):	0.00	Displ(meters <sup>3</sup> /hr):	11.68
Stroke(mm):	0.00		
Overall Length (mm):	257.0	Mounting Length (mm):	190.50
Overall Width (mm):	245.6	Mounting Width (mm):	190.50
Overall Height (mm):	437.6	Mounting Height (mm):	456.6 *
Suction Size (mm):		22 7/32 Stub	
Discharge Size (mm):		12 11/16 Stub	
Oil Recharge (ml):		1774	
Initial Oil Charge (ml):		1893	
Net Weight (kg):		38.56	
Internal Free Volume (cm <sup>3</sup> ):		6100.358	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	64.0	MCC (Amps):	12.0	UL File No:	
LRA-Half Winding:		RPM:	0	UL File Date:	15-Jun-1994
LRA Low*:	58.0	Max Operating Current:	9.0		
RLA(=MCC/1.4;use for contactor selection):			8.6		
RLA(=MCC/1.56;use for breaker & wire size			7.7		
*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	Low Temp, Economized
R-404A HFC	60	3	460	Medium Temp, Economized
R-407A HFC	60	3	460	Low Temp, Economized
R-407A HFC	60	3	460	Medium Temp, Economized
R-407C HFC	60	3	460	UL Medium Temp
R-407C HFC	60	3	460	UL Medium Temp
R-407C HFC	60	3	460	UL Low Temp
R-407C HFC	60	3	460	UL Low Temp
R-407F HFC	60	3	460	
R-407F HFC	60	3	460	
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-407F HFC	60	3	460	Medium Temp, Economized
R-507 HFC	60	3	460	Medium Temp, Economized
R-507 HFC	60	3	460	Low Temp, Economized
R-407F HFC	50	3	380/420	
R-407F HFC	50	3	380/420	Low Temp, Economized
R-407A HFC	50	3	380/420	Low Temp, Economized
R-407A HFC	50	3	380/420	UL Medium Temp
R-407C HFC	50	3	380/420	UL Medium Temp
R-407C HFC	50	3	380/420	UL Low Temp
R-404A HFC	50	3	380/420	Medium Temp, Economized
R-507 HFC	50	3	380/420	Low Temp, Economized
R-507 HFC	50	3	380/420	Medium Temp, Economized
R-407A HFC	50	3	380/420	UL Medium Temp
R-407C HFC	50	3	380/420	UL Low Temp
R-407C HFC	50	3	380/420	UL Medium Temp
R-407F HFC	50	3	380/420	