

ZFD18KVE-TF5

HFC, R-404A, 60 Hz, 3- Phase, 200/230 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)	<u>-25 / 105</u>	<u>-40 / 105</u>
RG(°F)/Liq(°F)	<u>65.0 / 105.0</u>	<u>65.0 / 105.0</u>
Capacity (Btu/hr)	29200	20700
Power (W):	4950	4400
Current (Amps):	14.80	13.50
EER (Btu/Wh):	5.90	4.70
Mass Flow (lbs/hr):	349	233
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-)	2.0 Avg	3.0 Max
Record Date:	2017-11-09	

Mechanical

Number of Cylinders:	0	Displacement(in ³ /Rev):	5.98
Bore Size(in):	0.00	Displacement(ft ³ /hr):	726.98
Stroke(in):	0.00		
Overall Length (in):	11.83	Mounting Length (in):	7.50
Overall Width (in):	11.79	Mounting Width (in):	7.50
Overall Height (in):	19.46	Mounting Height (in):	19.71 *
Suction Size (in),Type:	7/8 Stub		
Discharge Size (in),Type:	1/2 Stub		
Oil Recharge (oz):	60		
Initial Oil Charge (oz):	64		
Net Weight (lbs):	95		
Internal Free Volume (in ³):	372.0		
Horse Power:	6		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	156	MCC (Amps):	34.0	UL File No:	
LRA-Half Winding		RPM:	3500	UL File Date:	15-Jun-1994
LRA Low* (Amp):		Max Operating Current	21.0		
RLA, MCC/1.4;use for contactor selection (Amp):	24.3				
RLA, MCC/1.56;use for breaker & wire size selection	21.8				
*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-404A HFC	60	3	200/230	Medium Temp, Economized
R-404A HFC	50	3	200/220	Medium Temp, Economized
R-404A HFC	50	3	200/220	Low Temp, Economized
R-507 HFC	60	3	200/230	Medium Temp, Economized
R-507 HFC	60	3	200/230	Low Temp, Economized
R-507 HFC	50	3	200/220	Low Temp, Economized
R-407A HFC	60	3	200/230	Medium Temp, Economized
R-407A HFC	60	3	200/230	Low Temp, Economized
R-407A HFC	50	3	200/220	Low Temp, Economized
R-407F HFC	60	3	200/230	Medium 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	200/230	Low Temp, Economized
R-407F HFC	50	3	200/220	Low Temp, Economized
R-448A HFO	60	3	200/230	Medium Temp, Economized
R-448A HFO	60	3	200/230	Low Temp, Economized
R-448A HFO	50	3	200/220	Low Temp, Economized
R-448A HFO	50	3	200/220	Medium Temp, Economized
R-449A HFO	60	3	200/230	Medium Temp, Economized
R-449A HFO	60	3	200/230	Low Temp, Economized
R-449A HFO	50	3	200/220	Medium Temp, Economized
R-449A HFO	50	3	200/220	Low Temp, Economized