

ZFD25KVE-TFE

HFC, R-404A, 60 Hz, 3 - Phase, 575 V

Medium 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			Mechanical	
Evaporator Temp. (°F)	20.00	0	Displacement (in^3/Rev):	7.50
Condensing Temp. (°F)	120.00	110	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.68
Liquid Temp. (°F)	120.00	110	Overall Width (in):	10.13
Capacity (BTU/hr)	79900	59000	Overall Height (in):	18.94
Power (W):	8840	7270	Mounting Length (in):	7.50
Current (Amps):	9.8	8.3	Mounting Width (in):	7.50
EER(BTU/Wh):	9.05	8.1	Mounting Height (in):	19.69
Mass Flow (lbs/hr):	1175	769	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			Discharge Size (in),Type:	3 / 4 Stub
Sound Power (dBA):	80 Avg	85 Max	Initial Oil Charge (oz):	64
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	60
Record Date:	2017-02-22		Oil Type:	POE
			Net Weight (lbs):	95.0
			Internal Free Volume (in^3):	
			Horse Power:	7.5
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	82.4	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	16.4					
Max Operating Current (Amps):	10.4					
RLA, MCC/1.4(use for contactor selection)(Amps):	11.7					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	10.5					
RPM:	3500					
Box IP :	21					
UL File No:	SA-2337					
UL File Date:	2014-03-21					

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

Alternate Applications				
Refrigerant	Voltage	Phase	Frequency	Application
R-404A HFC	575	3	60	Low Temp, Economized
R-407A HFC	575	3	60	Low Temp, Economized
R-407A HFC	575	3	60	Medium Temp, Economized
R-407C HFC	575	3	60	Low Temp, Economized
R-407C HFC	575	3	60	Medium Temp, Economized
R-407F HFC	575	3	60	Low Temp, Economized
R-448A HFO	575	3	60	Low Temp, Economized
R-448A HFO	575	3	60	Medium Temp, Economized
R-449A HFO	575	3	60	Low Temp, Economized
R-449A HFO	575	3	60	Medium Temp, Economized
R-507 HFC	575	3	60	Low Temp, Economized
R-507 HFC	575	3	60	Medium Temp, Economized