

ZFD25KVE-TFE

HFO, R-449A, 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 <sup>3</sup> /Rev):	7.50
Condensing Temp. (°F)	120.00	110	Displacement (ft <sup>3</sup> /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)	74100	51900	Overall Height (in):	18.94
Power (W):	7780	6260	Mounting Length (in):	7.50
Current (Amps):	8.7	7.3	Mounting Width (in):	7.50
EER(BTU/Wh):	9.5	8.3	Mounting Height (in):	19.69
Mass Flow (lbs/hr):	850	541	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 <sup>3</sup> ):	
			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:							
UL File Date:							

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

**Alternate Applications**

<b>Refrigerant</b>	<b>Voltage</b>	<b>Phase</b>	<b>Frequency</b>	<b>Application</b>
R-404A HFC	575	3	60	Low Temp, Economized
R-404A HFC	575	3	60	Medium 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-507 HFC	575	3	60	Low Temp, Economized
R-507 HFC	575	3	60	Medium Temp, Economized