ZFD25KVE-TFD

HFC, R-404A, 60 Hz, 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

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	36600	25500
Power (W):	5950	5180
Current (Amps):	8.80	7.90
EER (Btu/Wh):	6.15	4.90
Mass Flow (lbs/hr):	429	284
Sound Data @		
Sound Power (dBA):	80 Avg	85 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-02-22	

Mechanical

Displacment(in^3/Rev):	7.50
Displacment(ft^3/hr):	911.46
Overall Length (in):	9.68
Overall Width (in):	10.13
Overall Height (in):	18.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.69 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	64
Oil Recharge (oz):	60
Net Weight (lbs):	95.0
Internal Free Volume (in^3):	
Horse Power:	7.50

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*(Amp):	99.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	16.6
Max Operating Current(Amp):	16.0
RLA, MCC/1.4;use for contactor selection (Amp):	11.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	10.6
RPM:	3500
Box IP	21
UL File No:	
UL File Date:	1994-06-15

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

Capacitors

Alternate Applications

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

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Alternate Applications

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

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