ZF18K4E-TFD

HFC, R-134a, 60Hz, 3- Phase, 460 V
High Temperature

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)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65 / 130	65 / 120
Capacity (Btu/hr)	45600	28800
Power (Watts):	4530	3610
Current (Amps):	7.70	6.80
EER (Btu/Wh):	10.10	8.00
Mass Flow (lbs/hr):	795	459
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-	2.0 Avg	3.0 Max
Record Date:	2005-05-03	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	5.98
Bore Size(in):	0.00	Displ(ft^3/hr):	727.10
Stroke(in):	0.00		
Overall Length (in):	11.16	Mounting Length (in):	7.50
Overall Width (in):	9.67	Mounting Width (in):	7.50
Overall Height (in):	18.50	Mounting Height (in):	19.25 *

Suction Size (in):	7/8 Stub
Discharge Size (in):	1/2 Stub
Oil Recharge (oz):	60
Initial Oil Charge (oz):	64
Net Weight (lbs):	87
Internal Free Volume (in^3):	345.0
Horse Power:	

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

Electrical

LRA-High*:	75.0	MCC (Amps):	13.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	15-Jun-1994
LRA Low*:		Max Operating Current:	12.5		
RLA(=MCC/1.4;use for contactor selection):		9.3			
RLA(=MCC/1.56;use for breaker & wire size		8.3			

*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-507 HFC	60	3	460	Medium Temp, Liquid Injected
R-507 HFC	60	3	460	Low Temp, Liquid Injected
R-407C HFC	60	3	460	
R-407C HFC	60	3	460	Low Temp, Liquid Injected
R-407A HFC	60	3	460	
R-407A HFC	60	3	460	Low Temp, Liquid Injected
R-407F HFC	60	3	460	
R-407F HFC	60	3	460	Low Temp, Liquid Injected
R-22 HCFC	50	3	380/420	Medium Temp, Liquid Injected
R-22 HCFC	50	3	380/420	Low Temp, Liquid Injected
R-407A HFC	50	3	380/420	UL Medium Temp

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Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-407A HFC	50	3	380/420	UL Low Temp
R-407F HFC	50	3	380/420	
R-407F HFC	50	3	380/420	Low Temp, Liquid Injected
R-22 HCFC	60	3	460	Medium Temp, Liquid Injected
R-22 HCFC	60	3	460	Low Temp, Liquid Injected
R-134a HFC	60	3	460	Medium Temp, Liquid Injected
R-134a HFC	60	3	460	Low Temp, Liquid Injected
R-404A HFC	60	3	460	Medium Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Low Condensing
R-134a HFC	50	3	380/420	Medium Temp, Liquid Injected
R-134a HFC	50	3	380/420	Low Temp, Liquid Injected
R-134a HFC	50	3	380/420	High Temperature
R-404A HFC	50	3	380/420	Medium Temp, Liquid Injected
R-404A HFC	50	3	380/420	Low Temp, Low Condensing
R-507 HFC	50	3	380/420	Medium Temp, Liquid Injected
R-507 HFC	50	3	380/420	Low Temp, Low Condensing
R-404A HFC	50	3	380/420	Low Temp, Liquid Injected
R-407A HFC	50	3	380/420	Low Temp, Liquid Injected
R-507 HFC	50	3	380/420	Low Temp, Liquid Injected
R-404A HFC	60	3	460	Low Temp, Liquid Injected
R-407C HFC	60	3	460	UL Low Temp
R-407C HFC	50	3	380/420	
R-407C HFC	50	3	380/420	UL Low Temp

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