

ZF09K4E-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V

Low Temp, Liquid Injected



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)	8830	5980
Power (W):	2070	1970
Current (Amps):	3.60	3.50
EER (Btu/Wh):	4.30	3.00
Mass Flow (lbs/hr):	118	79
<u>Sound Data @</u>		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2004-07-27	

Electrical

LRA-High*(Amp):	39.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	7.0
Max Operating Current(Amp):	6.0
RLA, MCC/1.4;use for contactor selection (Amp):	5.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	4.5
RPM:	3500
UL File No:	SA-2337
UL File Date:	1995-02-28
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	2.82
Displacment(ft^3/hr):	342.71
Overall Length (in):	9.57
Overall Width (in):	9.52
Overall Height (in):	15.93
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.16 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	49
Oil Recharge (oz):	45
Net Weight (lbs):	60.0
Internal Free Volume (in^3):	237.0
Horse Power:	3.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-404A HFC	460	3	60	Medium Temp, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Low Condensing
R-404A HFC	380/420	3	50	Medium Temp, Liquid Injected
R-404A HFC	380/420	3	50	Low Temp, Low Condensing
R-404A HFC	380/420	3	50	Low Temp, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Liquid Injected
R-507 HFC	460	3	60	Medium Temp, Liquid Injected
R-507 HFC	460	3	60	Low Temp, Liquid Injected
R-507 HFC	380/420	3	50	Medium Temp, Liquid Injected
R-507 HFC	380/420	3	50	Low Temp, Low Condensing

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	460	3	60	Medium Temp, Liquid Injected
R-22 HCFC	380/420	3	50	Medium Temp, Liquid Injected
R-22 HCFC	380/420	3	50	Low Temp, Liquid Injected
R-407C HFC	460	3	60	Low Temp, Liquid Injected
R-407C HFC	380/420	3	50	UL Low Temp
R-407A HFC	460	3	60	Low Temp, Liquid Injected
R-407A HFC	380/420	3	50	Low Temp, Liquid Injected
R-407A HFC	380/420	3	50	UL Low Temp
R-407F HFC	380/420	3	50	Low Temp, Liquid Injected
R-407F HFC	460	3	60	Low Temp, Liquid Injected
R-448A HFO	380/420	3	50	Medium Temp, Liquid Injected
R-448A HFO	380/420	3	50	Low Temp, Liquid Injected
R-448A HFO	460	3	60	Medium Temp, Liquid Injected
R-448A HFO	460	3	60	Low Temp, Liquid Injected
R-449A HFO	380/420	3	50	Medium Temp, Liquid Injected
R-449A HFO	380/420	3	50	Low Temp, Liquid Injected
R-449A HFO	460	3	60	Medium Temp, Liquid Injected
R-449A HFO	460	3	60	Low Temp, Liquid Injected