

ZF49K5E-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)	42900	29000
Power (W):	9680	9140
Current (Amps):	30.15	29.05
EER (Btu/Wh):	4.40	3.20
Mass Flow (lbs/hr):	572	385
<u>Sound Data @</u>		
Sound Power (dBA):	86 Avg	91 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2012-09-19	

Mechanical

Displacment(in ³ /Rev):	14.87
Displacment(ft ³ /hr):	1807.12
Overall Length (in):	14.29
Overall Width (in):	12.28
Overall Height (in):	22.21
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	22.46 *
Suction Size (in),Type:	1 3/4 Rotolo
Discharge Size (in),Type:	1 1/4 Rotolo
Initial Oil Charge (oz):	114
Oil Recharge (oz):	110
Net Weight (lbs):	146.0
Internal Free Volume (in ³):	
Horse Power:	15.00

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

Electrical

LRA-High*(Amp):	139.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	26.0
Max Operating Current(Amp):	30.0
RLA, MCC/1.4;use for contactor selection (Amp):	18.6
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	16.7
RPM:	3500
UL File No:	
UL File Date:	

*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, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Economized
R-404A HFC	380/420	3	50	Low Temp, Economized
R-507 HFC	460	3	60	Low Temp, Economized
R-507 HFC	380/420	3	50	Low Temp, Liquid Injected
R-507 HFC	460	3	60	Low Temp, Liquid Injected
R-507 HFC	380/420	3	50	Low Temp, Economized
R-22 HCFC	380/420	3	50	Low Temp, Liquid Injected
R-407C HFC	460	3	60	Low Temp, Economized

Alternate Applications

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