

ZF13K4E-PFV

HFC, R-404A, 60 Hz, 1 -Phase, 208/230 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)	13200	8740
Power (W):	3030	2840
Current (Amps):	14.30	13.50
EER (Btu/Wh):	4.40	3.10
Mass Flow (lbs/hr):	237	156
<u>Sound Data @</u>		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2005-07-07	

Electrical

LRA-High*(Amp):	129.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	35.0
Max Operating Current(Amp):	30.3
RLA, MCC/1.4;use for contactor selection (Amp):	25.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	22.4
RPM:	3500
UL File No:	SA-2337
UL File Date:	1994-06-15
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	4.10
Displacment(ft^3/hr):	497.78
Overall Length (in):	9.67
Overall Width (in):	10.12
Overall Height (in):	17.40
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.15 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	64
Oil Recharge (oz):	60
Net Weight (lbs):	85.0
Internal Free Volume (in^3):	318.6
Horse Power:	4.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-15	270.0	324.0	330	OPTIONAL
Run Capacitor	014-0064-26	60.0	0.0	370	

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	208/230	1	60	Medium Temp, Liquid Injected
R-134a HFC	208/230	1	60	Low Temp, Liquid Injected
R-134a HFC	200	1	50	UL Medium Temp
R-134a HFC	200	1	50	Low Temp, Liquid Injected
R-134a HFC	200	1	50	UL High Temp
R-404A HFC	208/230	1	60	Medium Temp, Liquid Injected
R-404A HFC	200	1	50	Medium Temp, Liquid Injected
R-404A HFC	200	1	50	Low Temp, Liquid Injected

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-507 HFC	208/230	1	60	Medium Temp, Liquid Injected
R-507 HFC	208/230	1	60	Low Temp, Liquid Injected
R-507 HFC	200	1	50	Medium Temp, Liquid Injected
R-507 HFC	200	1	50	Low Temp, Liquid Injected
R-407C HFC	208/230	1	60	UL Medium Temp
R-407C HFC	208/230	1	60	Low Temp, Liquid Injected
R-407C HFC	200	1	50	UL Low Temp
R-407C HFC	208/230	1	60	UL Low Temp
R-407A HFC	208/230	1	60	UL Medium Temp
R-407A HFC	208/230	1	60	UL Low Temp
R-407A HFC	200	1	50	UL Medium Temp
R-407A HFC	208/230	1	60	Low Temp, Liquid Injected
R-448A HFO	208/230	1	60	Medium Temp, Liquid Injected
R-448A HFO	200	1	50	Medium Temp, Liquid Injected
R-448A HFO	208/230	1	60	Low Temp, Liquid Injected
R-448A HFO	200	1	50	Low Temp, Liquid Injected
R-449A HFO	200	1	50	Low Temp, Liquid Injected
R-449A HFO	200	1	50	Medium Temp, Liquid Injected
R-449A HFO	208/230	1	60	Low Temp, Liquid Injected
R-449A HFO	208/230	1	60	Medium Temp, Liquid Injected