

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):	78 Avg	83 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

Displacement(in ³ /Rev):	4.10
Displacement(ft ³ /hr):	497.78
Overall Length (in):	11.16
Overall Width (in):	9.67
Overall Height (in):	18.50
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.25 *
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	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-134a HFC	208/230	1	60	Medium Temp, Liquid Injected
R-134a HFC	208/230	1	60	Low Temp, Liquid Injected
R-404A HFC	200	1	50	Medium Temp, Liquid Injected
R-404A HFC	200	1	50	Low Temp, Liquid Injected
R-404A HFC	208/230	1	60	Medium Temp, Liquid Injected

Alternate Applications

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

Common U.S. OEM Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
251	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	-	Yes	-	-	-	-
256	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	-	Yes	-	-	-	-
261	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2 Conduit	-	Yes	-	-	-	-
263						-	-	-	-	-	-
266	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2 Conduit	-	Yes	-	-	-	-

Common U.S. Service Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
930						-	-	-	-	-	-
931	Stub	7/8"	Stub	1/2"	SCREW 1/2 Conduit	Yes	Yes	-	-	-	-
961	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2 Conduit	Yes	Yes	-	-	-	-

*** Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.**