

ZF08K4E-PFV

HFC, R-404A, 60 Hz, 1 - Phase, 208/230 V

Medium 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			Mechanical	
Evaporator Temp. (°F)	20.00	0	Displacement (in ³ /Rev):	2.56
Condensing Temp. (°F)	120.00	110	Displacement (ft ³ /Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.50
Liquid Temp. (°F)	120.00	110	Overall Width (in):	9.50
Capacity (BTU/hr)	18600	13450	Overall Height (in):	15.93
Power (W):	2870	2380	Mounting Length (in):	7.50
Current (Amps):	12.9	10.8	Mounting Width (in):	7.50
EER(BTU/Wh):	6.5	5.65	Mounting Height (in):	16.16
Mass Flow (lbs/hr):	391	253	Suction Size (in),Type:	3 / 4 Stub
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	70 Avg	75 Max	Initial Oil Charge (oz):	50
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	46
Record Date:	2023-05-18		Oil Type:	POE
			Net Weight (lbs):	62.0
			Internal Free Volume (in ³):	243.0
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA High* (Amps):	73	Run Capacitor	014-0064-25	45.0	0.0	370	
LRA Low*(Amps):							
LRA Half Winding (Amps):							
MCC (Amps):	23	Run Capacitor	014-0064-29	50.0	0.0	370	
Max Operating Current (Amps):	21.2						
RLA, MCC/1.4(use for contactor selection)(Amps):	16.4	Start Capacitor	014-0006-17	175.0	216.0	330	
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	14.7	Start Capacitor	014-0061-27	88.0	106.0	330	
RPM:	3500						
Box IP :	21						
UL File No:	SA-2337						
UL File Date:	2014-03-21						

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC	200	1	50	Low Temp, Liquid Injected
R-134a HFC	200	1	50	Medium Temp, Liquid Injected
R-134a HFC	208/230	1	60	Low Temp, Liquid Injected
R-134a 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
R-404A HFC	208/230	1	60	Low Temp, Liquid Injected
R-407A HFC	200	1	50	Low Temp, Liquid Injected
R-407A HFC	208/230	1	60	Low Temp, Liquid Injected
R-407C HFC	208/230	1	60	Low Temp, Liquid Injected
R-407F HFC	200	1	50	Low Temp, Liquid Injected
R-407F HFC	208/230	1	60	Low Temp, Liquid Injected
R-448A HFO	200	1	50	Medium Temp, Liquid Injected
R-448A HFO	200	1	50	Low Temp, Liquid Injected
R-448A HFO	208/230	1	60	Medium Temp, Liquid Injected
R-448A HFO	208/230	1	60	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
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