

ZF08K4E-PFV

HFC, R-507, 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			Mechanical			
Evaporator Temp. (°F)	-25.00	-40	Displacement (in ³ /Rev):		2.56	
Condensing Temp. (°F)	105.00	105	Displacement (ft ³ /Hr):			
Return Gas Temp. (°F)	65.00	65	Overall Length (in):		9.50	
Liquid Temp. (°F)	105.00	105	Overall Width (in):		9.50	
Capacity (BTU/hr)	8320	5650	Overall Height (in):		15.93	
Power (W):	1925	1645	Mounting Length (in):		7.50	
Current (Amps):	8.9	7.55	Mounting Width (in):		7.50	
EER(BTU/Wh):	4.3	3.45	Mounting Height (in):		16.16	
Mass Flow (lbs/hr):	152	103	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	Volt s 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):	21.20					
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:	1995-02-28					

*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	Medium 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