

ZB38KCE-PFV

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

Medium Temperature

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	45	Displacement (in^3/Rev):	5.04
Condensing Temp. (°F)	120.00	130	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.67
Liquid Temp. (°F)	120.00	130	Overall Width (in):	10.13
Capacity (BTU/hr)	37500	54000	Overall Height (in):	17.23
Power (W):	5540	6380	Mounting Length (in):	7.50
Current (Amps):	25.75	29.35	Mounting Width (in):	7.50
EER(BTU/Wh):	6.75	8.45	Mounting Height (in):	17.98
Mass Flow (lbs/hr):	785	1315	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	74 Avg	79 Max	Initial Oil Charge (oz):	64
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	60
Record Date:	2022-03-03		Oil Type:	POE
			Net Weight (lbs):	92.0
			Internal Free Volume (in^3):	225.0
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
LRA High* (Amps):	175	Type	Part No	Low MFD	High MFD	Volt s	User Description
LRA Low*(Amps):		Run Capacitor	014-0064-27	80.0	0.0	370	
LRA Half Winding (Amps):		Start Capacitor	014-0006-15	270.0	324.0	330	OPTIONAL
MCC (Amps):	43.5						
Max Operating Current (Amps):							
RLA, MCC/1.4(use for contactor selection)(Amps):	31.1						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	27.9						
RPM:	3500						
Box IP :	21						
UL File No:							
UL File Date:	1994-06-15						

*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	208/230	1	60	High Temp
R-22 HCFC	208/230	1	60	High Temp
R-407A HFC	208/230	1	60	Medium Temperature
R-407C HFC	208/230	1	60	High Temp
R-407F HFC	208/230	1	60	Medium Temperature
R-448A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Medium Temperature
R-507 HFC	208/230	1	60	Medium Temperature
R-513A HFO	208/230	1	60	High Temp