

ZR42K5E-PFV

HFC, R-407C, 60 Hz, 1 - Phase, 208/230 V

Air Conditioning

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)	45.00	50	Displacement (in^3/Rev):		3.45		
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):				
Return Gas Temp. (°F)	65.00	70	Overall Length (in):		9.69		
Liquid Temp. (°F)	115.00	85	Overall Width (in):		9.69		
Capacity (BTU/hr)	40800	54900	Overall Height (in):		19.94		
Power (W):	3800	2440	Mounting Length (in):		7.50		
Current (Amps):	16.8	10.85	Mounting Width (in):		7.50		
EER(BTU/Wh):	10.75	22.5	Mounting Height (in):		17.17		
Mass Flow (lbs/hr):	594	676	Suction Size (in),Type:		7 / 8 Stub		
Sound Data @ 45 / 130			Discharge Size (in),Type:		1 / 2 Stub		
Sound Power (dBA):	70 Avg	75 Max	Initial Oil Charge (oz):		42		
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):		34		
Record Date:	2015-10-13		Oil Type:		3MA		
			Net Weight (lbs):		68.3		
			Internal Free Volume (in^3):		194.1		
			Horse Power:		3.5		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.				
Electrical		Capacitors					
LRA High* (Amps):	104.0	Type	Part No	Low MFD	High MFD	Volt s	User Description
LRA Low*(Amps):		Run Capacitor	014-0064-28	55.0	0.0	370	
LRA Half Winding (Amps):		Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
MCC (Amps):	31						
Max Operating Current (Amps):	25.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	22.1						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	19.9						
RPM:	3500						
Box IP :	21						
UL File No:	SA-2337						
UL File Date:							
*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
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