

ZP42K5E-PFV

HFC, R-410A, 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):	2.43
Condensing Temp. (°F)	130.00	100	Displacement (ft ³ /Hr):	
Return Gas Temp. (°F)	65.00	70	Overall Length (in):	9.56
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.56
Capacity (BTU/hr)	42000	57100	Overall Height (in):	16.94
Power (W):	4070	2670	Mounting Length (in):	7.50
Current (Amps):	18.35	12	Mounting Width (in):	7.50
EER(BTU/Wh):	10.3	21.35	Mounting Height (in):	17.17
Mass Flow (lbs/hr):	618	702	Suction Size (in),Type:	7 / 8 Stub
Sound Data @ 45 / 130			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	68 Avg	73 Max	Initial Oil Charge (oz):	42
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	36
Record Date:	2017-03-01		Oil Type:	3MA
			Net Weight (lbs):	72.9
			Internal Free Volume (in ³):	183.3
			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):	117.0						
LRA Low*(Amps):		Run Capacitor	014-0064-34	70.0	0.0	370	
LRA Half Winding (Amps):		Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
MCC (Amps):	34						
Max Operating Current (Amps):	31.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	24.3						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	21.8						
RPM:	3500						
Box IP :	21						
UL File No:	SA-2337						
UL File Date:	2003-12-17						

*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
-------------	---------	-------	-----------	-------------