

ZP51K6E-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 <sup>3</sup> /Rev):	2.90		
Condensing Temp. (°F)	130.00	100	Displacement (ft <sup>3</sup> /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)	51000	68600	Overall Height (in):	16.94		
Power (W):	4790	3160	Mounting Length (in):	7.50		
Current (Amps):	21.5	14.4	Mounting Width (in):	7.50		
EER(BTU/Wh):	10.65	21.75	Mounting Height (in):	17.17		
Mass Flow (lbs/hr):	745	840	Suction Size (in),Type:	7 / 8 Stub		
Sound Data @ 50 / 115			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:	2017-04-25		Oil Type:	3MA		
			Net Weight (lbs):	75.8		
			Internal Free Volume (in <sup>3</sup> ):	173.5		
			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):	144.2						
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):	38						
Max Operating Current (Amps):	31.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	27.1						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	24.4						
RPM:	3500						
Box IP :	21						
UL File No:	SA2337						
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
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