

**ZP51K5E-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):	2.94
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	69500	Overall Height (in):	16.94
Power (W):	4860	3240	Mounting Length (in):	7.50
Current (Amps):	21.8	15	Mounting Width (in):	7.50
EER(BTU/Wh):	10.5	21.4	Mounting Height (in):	17.17
Mass Flow (lbs/hr):	755	850	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:	2015-10-09		Oil Type:	3MA
			Net Weight (lbs):	75.8
			Internal Free Volume (in <sup>3</sup> ):	172.1
			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):	134.0						
LRA Low*(Amps):		Run Capacitor	014-0064-27	80.0	0.0	370	OPTIONAL
LRA Half Winding (Amps):							
MCC (Amps):	41.2	Run Capacitor	014-0064-34	70.0	0.0	370	
Max Operating Current (Amps):	31.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	29.4	Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	26.4						
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
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