

**ZP23K3E-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 Copeland Representative for international availability.

Performance			Mechanical	
Evaporator Temp. (°F)	45.00	45	Displacement (in <sup>3</sup> /Rev):	1.42
Condensing Temp. (°F)	130.00	100	Displacement (ft <sup>3</sup> /Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.69
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.69
Capacity (BTU/hr)	23500	29400	Overall Height (in):	15.65
Power (W):	2400	1630	Mounting Length (in):	7.50
Current (Amps):	11	7.4	Mounting Width (in):	7.50
EER(BTU/Wh):	9.8	18	Mounting Height (in):	16.40
Mass Flow (lbs/hr):	347	364	Suction Size (in),Type:	3 / 4 Stub
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	68 Avg	73 Max	Initial Oil Charge (oz):	38
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	
Record Date:	1998-09-11		Oil Type:	3MA
			Net Weight (lbs):	60.0
			Internal Free Volume (in <sup>3</sup> ):	183.0
			*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):	61.0						
LRA Low*(Amps):		Run Capacitor	014-0054-12	40.0	0.0	370	ALTERNATE MOTOR
LRA Half Winding (Amps):		Run Capacitor	014-0064-08	40.0	0.0	370	
MCC (Amps):	21						
Max Operating Current (Amps):	14.2						
RLA, MCC/1.4(use for contactor selection)(Amps):	15.0						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	13.5						
RPM:	3500						
Box IP :	21						
UL File No:	SA2337-19940614						
UL File Date:	1994-06-14						

\*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