

ZP54K3E-PFV

HFC, R-410A, 60 Hz, 1 - Phase, 208/230 V

Air Conditioning

Production Status: This model is obsolete and is no longer in production for both OEM and service replacement. Please contact Customer Service about possible replacement models.

Summary

Performance		
Evaporator Temp. (°F)	45.00	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	54500	67500
Power (W):	5300	3570
Current (Amps):	23.6	16.1
EER(BTU/Wh):	10.3	18.9
Mass Flow (lbs/hr):	805	835
Sound Data @ 45 / 130		
Sound Power (dBA):	72 Avg	77 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2015-10-12	
Mechanical		
Displacement (in^3/Rev):	3.13	
Displacement (ft^3/Hr):		
Overall Length (in):	9.70	
Overall Width (in):	9.80	
Overall Height (in):	17.40	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	18.20	

Suction Size (in),Type:	1 1 / 4 Rotalock
Discharge Size (in),Type:	1 Rotalock
Initial Oil Charge (oz):	56
Oil Recharge (oz):	52
Oil Type:	3MA
Net Weight (lbs):	97.0
Internal Free Volume (in^3):	230.0

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical	
LRA High* (Amps):	158
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	43
Max Operating Current (Amps):	34.00
RLA, MCC/1.4(use for contactor selection)(Amps):	30.7
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	27.6
RPM:	3500
Box IP :	21
UL File No:	SA2337-19930726
UL File Date:	1993-07-26

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors					
Type	Part No	Low MFD	High MFD	Volts	User Description
Run Capacitor	014-0064-27	80.0	0.0	370	

Alternate Applications				
Refrigerant	Voltage	Phase	Frequency	Application
No data available in table				

Nomenclature

ZP54K3E-PFV

Family Series

Z: Scroll

Application Range

P: A/C - R-410A/B

Capacity

54K: Capacity Multiplier-1000

Oil Type

E: Polyol Ester