

ZPS49K6E-PFV

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

Air Conditioning

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Copeland Wholesaler. Please check with your local Copeland Representative for international availability.

Summary

Performance		
Evaporator Temp. (°F)	45.00	50
Condensing Temp. (°F)	130.00	115
Return Gas Temp. (°F)	65.00	70
Liquid Temp. (°F)	115.00	100
Capacity (BTU/hr)	49900	61500
Power (W):	4660	3800
Current (Amps):	21.3	17.5
EER(BTU/Wh):	10.7	16.2
Mass Flow (lbs/hr):	729	816
Sound Data @		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2018-02-23	
Mechanical		
Displacement (in^3/Rev):	2.83	
Displacement (ft^3/Hr):	343.9	
Overall Length (in):	9.69	
Overall Width (in):	9.69	
Overall Height (in):	16.93	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	17.70	
Suction Size (in),Type:	7 / 8 Stub	
Discharge Size (in),Type:	1 / 2 Stub	
Initial Oil Charge (oz):	42	
Oil Recharge (oz):	36	
Oil Type:	3MA	
Net Weight (lbs):	74.0	
Internal Free Volume (in^3):	241.7	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		
Electrical		

LRA High* (Amps):	147.2
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	35.8
Max Operating Current (Amps):	32.00
RLA, MCC/1.4(use for contactor selection)(Amps):	25.6
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	22.9
RPM:	3500
Box IP :	21
UL File No:	SA2337-20031217
UL File Date:	2014-03-21

*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	014-0064-15	45.0	0.0	440	
Start Capacitor	014-0061-27	88.0	106.0	330	

Alternate Applications				
Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	208/230	1	60	A/C, 67% Load Of Compressor Model

Nomenclature

ZPS49K6E-PFV
Family Series
Z: Scroll
Application Range
P: A/C - R-410A/B
Modulation
S: Two Step
S: Two Step
Capacity
49K: Capacity Multiplier-1000
Model Variation
6: Model Variation
Oil Type
E: Polyol Ester
Motor Type
P: 1 Phase/Capacitor Run, Permanent Split Capacitor
Motor Protection
F: Internal Inherent Protection
Voltage
V: 60Hz (208/230-1) 50Hz (-)