

ZR57K3E-PFV

HFC, R-407C, 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.

Performance			Mechanical			
Evaporator Temp. (°F)	45.00	45	Displacement (in ³ /Rev):	4.71		
Condensing Temp. (°F)	130.00	100	Displacement (ft ³ /Hr):			
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.70		
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.80		
Capacity (BTU/hr)	55500	67000	Overall Height (in):	17.20		
Power (W):	5250	3500	Mounting Length (in):	7.50		
Current (Amps):	24.5	17.1	Mounting Width (in):	7.50		
EER(BTU/Wh):	10.55	19.2	Mounting Height (in):	18.00		
Mass Flow (lbs/hr):	802	827	Suction Size (in),Type:	7 / 8 Stub		
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub		
Sound Power (dBA):	74 Avg	79 Max	Initial Oil Charge (oz):	56		
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	52		
Record Date:	2014-08-07		Oil Type:	3MA		
			Net Weight (lbs):	90.0		
			Internal Free Volume (in ³):	*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):	148	Run Capacitor	014-0041-01	80.0	0.0	370	
LRA Low*(Amps):		Run Capacitor	014-0054-38	80.0	0.0	370	
LRA Half Winding (Amps):		Run Capacitor	014-0064-27	80.0	0.0	370	
MCC (Amps):	45	Start Capacitor	014-0006-15	270.0	324.0	330	
Max Operating Current (Amps):	37.00						
RLA, MCC/1.4(use for contactor selection)(Amps):	32.1						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	28.8						
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.

Alternate Applications

Refrigerant

Voltage

Phase

Frequency

Application