

ZPS31LXE-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	50	Displacement (in^3/Rev):	1.82
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	70	Overall Length (in):	9.69
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.69
Capacity (BTU/hr)	31700	42800	Overall Height (in):	15.54
Power (W):	3020	2030	Mounting Length (in):	7.50
Current (Amps):	13.4	9	Mounting Width (in):	7.50
EER(BTU/Wh):	10.45	21.05	Mounting Height (in):	16.30
Mass Flow (lbs/hr):	463	524	Suction Size (in),Type:	3 / 4 Stub
Sound Data @ 50 / 115			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	70 Avg	75 Max	Initial Oil Charge (oz):	25
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	21
Record Date:	2024-12-24		Oil Type:	3MA
			Net Weight (lbs):	51.8
			Internal Free Volume (in^3):	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	75.7	Type	Part No	Low MFD	High MFD	Volt s User Description
LRA Low*(Amps):		Run Capacitor	014-0064-06	30.0	0.0	370
LRA Half Winding (Amps):		Start Capacitor	014-0061-27	88.0	106.0	330
MCC (Amps):	22.5					
Max Operating Current (Amps):	18					
RLA, MCC/1.4(use for contactor selection)(Amps):	16.1					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	14.4					
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.

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