

ZPV038CE-2E9

HFC, R-410A, 2280 RPM, 3 - Phase, 220/240 V

Intermediate Speed Cooling

Production Status: Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

Summary

Performance		
Evaporator Temp. (°F)	50.00	50
Condensing Temp. (°F)	100.00	100
Return Gas Temp. (°F)	70.00	70
Liquid Temp. (°F)	85.00	85
Capacity (BTU/hr)	35800	35800
Power (W):	1640	1640
Current (Amps):	9.2	9.2
EER(BTU/Wh):	21.85	21.85
Mass Flow (lbs/hr):	439	439
Sound Data @		
Sound Power (dBA):	65 Avg	70 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2025-07-17	
Mechanical		
Displacement (in ³ /Rev):	2.34	
Displacement (ft ³ /Hr):		
Overall Length (in):	9.00	
Overall Width (in):	9.00	
Overall Height (in):	15.49	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	16.20	

Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	40
Oil Recharge (oz):	36
Oil Type:	3MA
Net Weight (lbs):	44.3
Internal Free Volume (in³):	123

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

Electrical

LRA High* (Amps):	
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	
Max Operating Current (Amps):	
RLA, MCC/1.4(use for contactor selection)(Amps):	1.0
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	
RPM:	2280
Box IP :	54
UL File No:	SA-2337
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
No data available in table					

Alternate Applications

Refrigerant	Voltage	Phase	RPM	Application
R-410A HFC	220/240	3	1200	Min Speed
R-410A HFC	220/240	3	4500	Capacity Rating Speed

Nomenclature

ZPV038CE-2E9

Family Series

Z: Scroll

Application Range

P: AC/HP

Modulation

V: Variable Speed

Displacement

038: Cubic Centimeters Per Revolution

Oil Type

E: POE Oil

MotorType

2: Motor Type

Protection

E: Enhanced External Protection

Typical Electrical Codes

9: Misc DC voltage