

ZPV0631E-4E9

HFC, R-410A, 5400 RPM, 3 - Phase, 600 V

Capacity Rating Speed

Production Status: This model is obsolete and is no longer in production for both OEM and service replacement.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)	50.00	50
Condensing Temp. (°F)	115.00	115
Return Gas Temp. (°F)	70.00	70
Liquid Temp. (°F)	100.00	100
Capacity (BTU/hr)	130000	130000
Power (W):	8750	8750
Current (Amps):	10.4	10.4
EER(BTU/Wh):	14.9	14.9
Mass Flow (lbs/hr):	1730	1730
Sound Data @ 50 / 115		
Sound Power (dBA):	83 Avg	88 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2015-01-08	
Mechanical		
Displacement (in ³ /Rev):	3.86	
Displacement (ft ³ /Hr):		
Overall Length (in):	10.80	
Overall Width (in):	10.30	
Overall Height (in):	22.00	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	23.20	

Suction Size (in),Type:	1 3 / 4 Rotalock
Discharge Size (in),Type:	1 1 / 4 Rotalock
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Oil Type:	3MA
Net Weight (lbs):	88.0

Internal Free Volume (in³):

*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:	5400
Box IP :	21
UL File No:	SA-2337
UL File Date:	2014-03-21
European Pressure Equipment Directive (PED):	
Fluid Group**:	FG 2
PS Low / High Side (BAR):	29.5 / 45.0
TS Min (°C):	-35
TS Max (°C):	50 / 150
Volume (L) :	8.7 / 1.2

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

**Fluid Group 1 comprises dangerous fluids defined as: Explosive, extremely flammable, high flammable, very toxic, toxic, oxidizing.

Fluid Group 2 is for non-dangerous fluids defined as: non-explosive, non-toxic, non-flammable.

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		600	3	3600	Intermediate Speed Cooling

Nomenclature

ZPV0631E-4E9

Family Series

Z: Scroll

Application Range

P: AC/HP

Modulation

V: Variable Speed

Displacement

0631: Cubic Centimeters Per Revolution

Oil Type

E: POE Oil

MotorType

4: Motor Type

Protection

E: Enhanced External Protection

Typical Electrical Codes

9: Misc DC voltage