

ZPD182KCE-TE5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 V

Air Conditioning

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)	45.00	35
Condensing Temp. (°F)	130.00	120
Return Gas Temp. (°F)	65.00	55
Liquid Temp. (°F)	115.00	105
Capacity (BTU/hr)	183000	163000
Power (W):	16700	14800
Current (Amps):	53.4	49.2
EER(BTU/Wh):	11	11
Mass Flow (lbs/hr):	2690	2270
Sound Data @		
Sound Power (dBA):	82 Avg	87 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2016-06-27	
Mechanical		
Displacement (in ³ /Rev):	10.20	
Displacement (ft ³ /Hr):		
Overall Length (in):	16.32	
Overall Width (in):	13.91	
Overall Height (in):	21.75	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	23.10	

Suction Size (in),Type:	1 3 / 4 Rotalock
Discharge Size (in),Type:	1 1 / 4 Rotalock
Initial Oil Charge (oz):	114
Oil Recharge (oz):	110
Oil Type:	3MA
Net Weight (lbs):	147.0

Internal Free Volume (in³):

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

Electrical

LRA High* (Amps):	340
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	87
Max Operating Current (Amps):	74.00
RLA, MCC/1.4(use for contactor selection)(Amps):	62.1
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	55.8
RPM:	3500
Box IP :	54
UL File No:	SA2337- 20070207
UL File Date:	2007-02-07
European Pressure Equipment Directive (PED):	
Fluid Group**:	FG 2
PS Low / High Side (BAR):	29.5 / 45.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150
Volume (L) :	1.5 / 12.9

*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	Frequency	Application	
R-410A HFC	200/220	3	50	A/C, 50% Load Of Compressor Model	
R-410A HFC	200/230	3	60	A/C, 50% Load Of Compressor Model	
R-410A HFC	200/220	3	50	Air Conditioning	

Nomenclature

ZPD182KCE-TE5

Family Series

Z: Scroll

Application Range

P: A/C - R-410A/B

Modulation

D: Digital

D: Digital

Capacity

182K: Capacity Multiplier-1000

Model Variation

C: Model Variation

Oil Type

E: Polyol Ester

Motor Type

T: 3 Phase

Motor Protection

E: External Enhanced Protection

Voltage

5: 60Hz (200/230-3) 50Hz (200/220-3)