

ZP103KCE-TF5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 V , [Also Available with Variable Frequency Drives](#)

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)	105000	93000
Power (W):	9550	8450
Current (Amps):	28.6	26.3
EER(BTU/Wh):	11	11
Mass Flow (lbs/hr):	1550	1300
Sound Data @		
Sound Power (dBA):	77 Avg	82 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2019-11-15	
Mechanical		
Displacement (in^3/Rev):	5.88	
Displacement (ft^3/Hr):		
Overall Length (in):	12.65	
Overall Width (in):	12.91	
Overall Height (in):	20.99	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	21.70	
Suction Size (in),Type:	1 3 / 4 Rotalock	
Discharge Size (in),Type:	1 1 / 4 Rotalock	
Initial Oil Charge (oz):	110	
Oil Recharge (oz):	106	
Oil Type:	3MA	
Net Weight (lbs):	136.0	
Internal Free Volume (in^3):		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		
Electrical		

LRA High* (Amps):	225
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	47
Max Operating Current (Amps):	41.00
RLA, MCC/1.4(use for contactor selection)(Amps):	33.6
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	30.1
RPM:	3500
Box IP :	21
UL File No:	SA2337-19960927
UL File Date:	1996-09-27
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 / 12.6

*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	Air Conditioning

Nomenclature

ZP103KCE-TF5
Family Series
Z: Scroll
Application Range
P: A/C - R-410A/B
Capacity
103K: Capacity Multiplier-1000
Model Variation
C: Model Variation
Oil Type
E: Polyol Ester
Motor Type
T: 3 Phase
Motor Protection
F: Internal Inherent Protection

Voltage

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