

ZP91KCE-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)	90500	80400
Power (W):	8230	7280
Current (Amps):	24.8	22.7
EER(BTU/Wh):	11	11.05
Mass Flow (lbs/hr):	1335	1120
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.5 Avg	3.5 Max
Record Date:	2011-03-30	
Mechanical		
Displacement (in^3/Rev):	5.16	
Displacement (ft^3/Hr):		
Overall Length (in):	9.70	
Overall Width (in):	9.90	
Overall Height (in):	17.40	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	18.20	

Suction Size (in),Type:	1 1 / 4 Rotalock
Discharge Size (in),Type:	1 Rotalock
Initial Oil Charge (oz):	60
Oil Recharge (oz):	56
Oil Type:	3MA
Net Weight (lbs):	90.0
Internal Free Volume (in^3):	260.0

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

Electrical	
LRA High* (Amps):	191
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	43
Max Operating Current (Amps):	35.60
RLA, MCC/1.4(use for contactor selection)(Amps):	30.7
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	27.6
RPM:	3500
Box IP :	21
UL File No:	
UL File Date:	1993-07-26

*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	Frequency	Application
R-410A HFC	200/220	3	50	Air Conditioning

Nomenclature

Family Series

Z: Scroll

Application Range

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

Capacity

91K: 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)