

ZP83KCE-TFD

HFC, R-410A, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Air Conditioning

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

Performance			Mechanical	
Evaporator Temp. (°F)	45.00	45	Displacement (in^3/Rev):	4.71
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.69
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.69
Capacity (BTU/hr)	83000	101000	Overall Height (in):	17.91
Power (W):	7650	5450	Mounting Length (in):	7.50
Current (Amps):	11.8	9.4	Mounting Width (in):	7.50
EER(BTU/Wh):	10.8	18.5	Mounting Height (in):	18.16
Mass Flow (lbs/hr):	1220	1250	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	75 Avg	80 Max	Initial Oil Charge (oz):	60
Vibration mils(peak-peak):	2.5 Avg	3.5 Max	Oil Recharge (oz):	56
Record Date:	2004-05-10		Oil Type:	3MA
			Net Weight (lbs):	87.0
			Internal Free Volume (in^3):	264.5
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
LRA High* (Amps):	100.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	19						
Max Operating Current (Amps):	15.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	13.6						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	12.2						
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.

Alternate Applications				
Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	380/420	3	50	Air Conditioning