

ZPS83KCE-TFD
HFC, R-410A, 50 Hz, 3 - Phase, 380/420 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)	50.00	45	Displacement (in^3/Rev):	4.71
Condensing Temp. (°F)	115.00	130	Displacement (ft^3/Hr):	474.2
Return Gas Temp. (°F)	70.00	65	Overall Length (in):	10.23
Liquid Temp. (°F)	100.00	115	Overall Width (in):	9.79
Capacity (BTU/hr)	84000	67600	Overall Height (in):	17.76
Power (W):	5410	6650	Mounting Length (in):	7.50
Current (Amps):	9.65	11.45	Mounting Width (in):	7.50
EER(BTU/Wh):	15.52	10.16	Mounting Height (in):	18.23
Mass Flow (lbs/hr):	1115	988	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	72 Avg	77 Max	Initial Oil Charge (oz):	58
Vibration mils(peak-peak):	2.5 Avg	3.5 Max	Oil Recharge (oz):	54
Record Date:	2018-11-30		Oil Type:	3MA
			Net Weight (lbs):	91.5
			Internal Free Volume (in^3):	
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	94.00	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	18.7					
Max Operating Current (Amps):	15.0					
RLA, MCC/1.4(use for contactor selection)(Amps):	13.4					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	12.0					
RPM:	2900					
Box IP :	21					
UL File No:						
UL File Date:						

*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	460	3	60	A/C, 67% Load Of Compressor Model	
R-410A HFC	380/420	3	50	A/C, 67% Load Of Compressor Model	
R-410A HFC	460	3	60	Air Conditioning	