

ZR81KCE-TF5

HCFC, R-22, 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.

Performance			Mechanical	
Evaporator Temp. (°F)	45.00	45	Displacement (in^3/Rev):	6.58
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.70
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.90
Capacity (BTU/hr)	82000	96500	Overall Height (in):	17.50
Power (W):	6950	5000	Mounting Length (in):	7.50
Current (Amps):	20.8	16.3	Mounting Width (in):	7.50
EER(BTU/Wh):	11.8	19.3	Mounting Height (in):	18.20
Mass Flow (lbs/hr):	1200	1240	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			Discharge Size (in),Type:	3 / 4 Stub
Sound Power (dBA):	75 Avg	80 Max	Initial Oil Charge (oz):	60
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	56
Record Date:	2014-03-06		Oil Type:	3MA
			Net Weight (lbs):	86.0
			Internal Free Volume (in^3):	258.0
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	164	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	35					
Max Operating Current (Amps):	25.20					
RLA, MCC/1.4(use for contactor selection)(Amps):	25.0					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	22.4					
RPM:	3500					
Box IP :	21					
UL File No:	SA2337-19930726					
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-134a HFC	200/220	3	50	Air Conditioning
R-134a HFC	200/230	3	60	Air Conditioning
R-22 HCFC	200/220	3	50	Air Conditioning
R-407C HFC	200/220	3	50	Air Conditioning
R-407C HFC	200/230	3	60	Air Conditioning