

ZR190KCE-TE5

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):		15.20	
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):			
Return Gas Temp. (°F)	65.00	65	Overall Length (in):		11.70	
Liquid Temp. (°F)	115.00	85	Overall Width (in):		12.90	
Capacity (BTU/hr)	190000	224000	Overall Height (in):		21.70	
Power (W):	16800	12400	Mounting Length (in):		7.50	
Current (Amps):	53.2	43.8	Mounting Width (in):		7.50	
EER(BTU/Wh):	11.4	18.1	Mounting Height (in):		23.00	
Mass Flow (lbs/hr):	2790	2880	Suction Size (in),Type:		1 3 / 8 Stub	
Sound Data @			Discharge Size (in),Type:		7 / 8 Stub	
Sound Power (dBA):	83 Avg	88 Max	Initial Oil Charge (oz):		114	
Vibration mils(peak-peak):	4.0 Avg	5.5 Max	Oil Recharge (oz):		110	
Record Date:	2023-05-19		Oil Type:		3MA	
			Net Weight (lbs):		146.0	
			Internal Free Volume (in^3):		*Overall compressor height on Copeland Brand Product's specified mounting grommets.	
Electrical			Capacitors			
LRA High* (Amps):		340	Type	Part No	Low MFD	High MFD Volts User Description
LRA Low*(Amps):			No data available in table			
LRA Half Winding (Amps):						
MCC (Amps):		82				
Max Operating Current (Amps):		73.00				
RLA, MCC/1.4(use for contactor selection)(Amps):		58.6				
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):		52.6				
RPM:		3500				
Box IP :		54				
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):	20.0 / 32.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150

Volume (L) :

*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