ZR190KCE-TED
HCFC, R-22, 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 Copeland Representative for international availability.

Performance

Evaporator Temp. (°F)	45.00	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	190000	224000
Power (W):	16800	12400
Current (Amps):	26.5	21.8
EER(BTU/Wh):	11.4	18.1
Mass Flow (lbs/hr):	2790	2880
Sound Data @		
Sound Power (dBA):	83 Avg	88 Max
Vibration mils(peak-peak):	4.0 Avg	5.5 Max
Record Date:	2023-05-19	

Mechanical

Displacement (in^3/Rev):	15.20
Displacement (ft^3/Hr):	
Overall Length (in):	11.70
Overall Width (in):	12.90
Overall Height (in):	21.70
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	23.00
Suction Size (in),Type:	1 3 / 8 Stub
Discharge Size (in),Type:	7 / 8 Stub
Initial Oil Charge (oz):	114
Oil Recharge (oz):	110
Oil Type:	3MA
Net Weight (lbs):	143.0
Internal Free Volume (in^3):	

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

Electrical

LRA High* (Amps):	173
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	40
Max Operating Current (Amps):	34.00
RLA, MCC/1.4(use for contactor selection)(Amps):	28.6
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	25.6
RPM:	3500
Box IP :	54
UL File No:	SA2337-19960927
UL File Date:	1996-09-27

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
No data available in table					

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	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/420	3	50	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning
R-407C HFC	460	3	60	Air Conditioning