

# ZR190KC-TWD

HCFC, R-22, 60Hz, 3- Phase, 460 V

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

Evap(°F)/Cond(°F)	45 / 130	35 / 120
RG(°F)/Liq(°F)	65.0 / 115.0	55.0 / 105.0
Capacity (Btu/hr)	190000	166000
Power (Watts):	16800	14800
Current (Amps):	26.50	24.40
EER (Btu/Wh):	11.40	11.20
Mass Flow (lbs/hr):	2790	2360
Sound Power (dBA):	83 Avg	88 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2007-10-31	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	15.20
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1847.47
Stroke(in):	0.00		
Overall Length (in):	12.83	Mounting Length (in):	7.50
Overall Width (in):	11.61	Mounting Width (in):	7.50
Overall Height (in):	21.72	Mounting Height (in):	23.03 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	106		
Initial Oil Charge (oz):	110		
Net Weight (lbs):	146		
Internal Free Volume (in <sup>3</sup> ):	856.0		
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	173.0	MCC (Amps):	40.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	33.0		
RLA(=MCC/1.4;use for contactor selection):	28.6				
RLA(=MCC/1.56;use for breaker & wire size selection):	25.6				
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	50	3	380/420	Air Conditioning