

# ZR310KC-TWD

HCFC, R-22, 50 Hz, 3 -Phase, 380/420 V  
Air Conditioning



**Production Status:** Non U.S. model with restricted sales - Contact your Emerson Climate Technologies Representative.

## Performance

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	253000	298000
Power (W):	22000	15900
Current (Amps):	37.90	30.10
EER (Btu/Wh):	11.50	18.80
Mass Flow (lbs/hr):	3710	3840
<u>Sound Data @</u>		
Sound Power (dBA):	85 Avg	90 Max
Vibration mils(peak-peak):	3.7 Avg	5.0 Max
Record Date:	2005-07-15	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	25.05
Displacment(ft <sup>3</sup> /hr):	2522.38
Overall Length (in):	17.60
Overall Width (in):	15.37
Overall Height (in):	28.50
Mounting Length (in):	10.50
Mounting Width (in):	10.50
Mounting Height (in):	28.90 *
Suction Size (in),Type:	1 5/8 Stub
Discharge Size (in),Type:	1 3/8 Stub
Initial Oil Charge (oz):	230
Oil Recharge (oz):	220
Net Weight (lbs):	353.0
Internal Free Volume (in <sup>3</sup> ):	2074.0
Horse Power:	26.00

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

## Electrical

LRA-High*(Amp):	272.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	58.0
Max Operating Current(Amp):	50.0
RLA, MCC/1.4;use for contactor selection (Amp):	41.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	37.2
RPM:	2900
Box IP	56
UL File No:	SA-2337
UL File Date:	2000-11-28

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	460	3	60	Air Conditioning