

# ZR380KCE-TWD

HFC, R-407C, 50Hz, 3- Phase, 380/420 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

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>45 / 100</u>
<u>RG(°F)/SubCool(°F)</u>	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	313000	382000
Power (Watts):	26700	18700
Current (Amps):	45.50	34.50
EER (Btu/Wh):	11.70	20.40
Mass Flow (lbs/hr):	4550	4740
Sound Power (dBA):	88 Avg	93 Max
Vibration (mils(peak-)	3.7 Avg	5.0 Max
Record Date:	2005-09-08	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	30.67
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	3088.28
Stroke(in):	0.00		
Overall Length (in):	17.60	Mounting Length (in):	10.50
Overall Width (in):	16.80	Mounting Width (in):	10.50
Overall Height (in):	28.50	Mounting Height (in):	28.90 *
Suction Size (in):	1 5/8 Stub		
Discharge Size (in):	1 3/8 Stub		
Oil Recharge (oz):	203		
Initial Oil Charge (oz):	213		
Net Weight (lbs):	390		
Internal Free Volume (in <sup>3</sup> ):	1931.0		
Horse Power:	30		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	310	MCC (Amps):	83.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	28-Nov-2000
LRA Low*:		Max Operating Current:	62.5		
RLA(=MCC/1.4;use for contactor selection):			59.3		
RLA(=MCC/1.56;use for breaker & wire size)			53.2		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning