

CR53KQ-TFD

HCFC, R-22, 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

Evap(°F)/Cond(°F)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/Liq(°F)	<u>65 / 115</u>	<u>65 / 85</u>
Capacity (Btu/hr)	44700	56800
Power (Watts):	4490	3550
Current (Amps):	8.20	6.90
EER (Btu/Wh):	10.00	16.00
Mass Flow (lbs/hr):	655	730
Sound Power (dBA):	74 Avg	79 Max
Vibration (mils(peak- Vibration (mils(peak-	2.7 Avg	3.7 Max
Record Date:	2000-10-25	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	5.47
Bore Size(in):	1.96	Displ(ft ³ /hr):	551.10
Stroke(in):	0.91		
Overall Length (in):	10.62	Mounting Length (in):	7.50
Overall Width (in):	9.22	Mounting Width (in):	7.50
Overall Height (in):	14.81	Mounting Height (in):	15.19 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		77	
Internal Free Volume (in ³):		495.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	55.0	MCC (Amps):	12.7	UL File No:
LRA-Half Winding:		RPM:		UL File Date:
LRA Low*:		Max Operating Current:		
RLA(=MCC/1.4;use for contactor selection):		9.1		
RLA(=MCC/1.56;use for breaker & wire size)		8.1		
*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-404A HFC	50	3		High Temperature
R-22 HCFC	50	3	380/420	High Temperature
R-22 HCFC	60	3	380/460	Air Conditioning
R-22 HCFC	60	3	380/460	High Temperature