

CR53KQE-TFD

HCFC, R-22, 60Hz, 3- Phase, 380/460 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	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	53000	67500
Power (Watts):	5200	4310
Current (Amps):	8.00	7.00
EER (Btu/Wh):	10.20	15.60
Mass Flow (lbs/hr):	780	865
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak-peak)):	4.0 Avg	5.0 Max
Record Date:	2014-03-06	

Mechanical

Number of Cylinders:	2	Displ(in^3/Rev):	5.47
Bore Size(in):	1.96	Displ(ft^3/hr):	665.12
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):			
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:	3500	UL File Date:
LRA Low*:		Max Operating Current:	12.7	
RLA(=MCC/1.4;use for contactor selection):	9.1			
RLA(=MCC/1.56;use for breaker & wire size selection):	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-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-22 HCFC	60	3	380/460	High Temp
R-407C HFC	60	3	380/460	Air Conditioning
R-22 HCFC	50	3	380/420	High Temp
R-22 HCFC	60	3	380/460	UL High Temp