

# CR53KQ-PFV

HCFC, R-22, 60 Hz, 1 -Phase, 208/230 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	53300	67200
Power (W):	5260	4400
Current (Amps):	24.10	20.50
EER (Btu/Wh):	10.10	15.30
Mass Flow (lbs/hr):	780	865
<u>Sound Data @</u>		
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-peak):	4.0 Avg	5.0 Max
Record Date:	2001-03-16	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	5.47
Displacement(ft <sup>3</sup> /hr):	665.12
Overall Length (in):	10.62
Overall Width (in):	9.22
Overall Height (in):	14.81
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	15.19 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	45
Oil Recharge (oz):	43
Net Weight (lbs):	77.0
Internal Free Volume (in <sup>3</sup> ):	490.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

## Electrical

LRA-High*(Amp):	140.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	40.5
Max Operating Current(Amp):	32.4
RLA, MCC/1.4;use for contactor selection (Amp):	28.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	26.0
RPM:	
UL File No:	
UL File Date:	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-13	189.0	227.0	330	HIGH TORQUE
Start Capacitor	014-0061-13	64.0	77.0	330	LOW TORQUE
Run Capacitor	014-0064-18	60.0	0.0	440	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	208/230	1	60	High Temp
R-22 HCFC	200	1	50	Air Conditioning
R-22 HCFC	200	1	50	High Temp