CR53KQE-TFD

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	53000	67500
Power (W):	5200	4310
Current (Amps):	8.00	7.00
EER (Btu/Wh):	10.20	15.60
Mass Flow (lbs/hr):	780	865
Sound Data @		
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-peak):	4.0 Avg	5.0 Max
Record Date:	2014-03-06	

Mechanical

Displacment(in^3/Rev):	5.47
Displacment(ft^3/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^3):	
Horse Power:	

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

Electrical

LRA-High*(Amp):	55.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	12.7
Max Operating Current(Amp):	12.7
RLA, MCC/1.4;use for contactor selection (Amp):	9.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	8.1
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

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/460	3	60	UL High Temp
R-22 HCFC	380/420	3	50	High Temp
R-22 HCFC	380/460	3	60	High Temp
R-407C HFC	380/420	3	50	Air Conditioning
R-407C HFC	380/460	3	60	Air Conditioning

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