

CR33KQ-TFD

HCFC, R-22, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Air Conditioning

Production Status: This model is obsolete and is no longer in production for both OEM and service replacement. Please contact Customer Service about possible replacement models.

Summary

Performance		
Evaporator Temp. (°F)	45.00	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	32000	41800
Power (W):	3100	2600
Current (Amps):	4.5	3.9
EER(BTU/Wh):	10.3	16.1
Mass Flow (lbs/hr):	468	540
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	1998-08-17	
Mechanical		
Displacement (in ³ /Rev):	3.70	
Displacement (ft ³ /Hr):		
Overall Length (in):	9.30	
Overall Width (in):	9.30	
Overall Height (in):	13.80	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	14.10	

Suction Size (in),Type: 3 / 4 Stub

Discharge Size (in),Type: 3 / 8 Stub

Initial Oil Charge (oz): 40

Oil Recharge (oz):

Oil Type: MIN

Net Weight (lbs): 75.0

Internal Free Volume (in³):

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

Electrical

LRA High* (Amps): 31.6

LRA Low*(Amps):

LRA Half Winding (Amps):

MCC (Amps): 6.6

Max Operating Current (Amps): 6.3

RLA, MCC/1.4(use for contactor selection)(Amps): 4.7

RLA, MCC/1.56(use for breaker & wire size selection)(Amps): 4.2

RPM: 3500

Box IP :

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
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No data available in table

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-22 HCFC	380/420	3	50	Air Conditioning
R-22 HCFC	460	3	60	High Temp
R-22 HCFC	380/420	3	50	High Temp

Nomenclature

CR33KQ-TFD

Family Series

C: Family of Compressors

Application Range

R: R22, R134A, R407C

Nominal Capacity at Rating Condition

33K: Capacity Multiplier-100

Model Series Variation (Efficiency)

Q: CR Large

Identifier

: CK Model

Nominal Capacity at Rating Condition

: Mineral Oil

Motor Type

T: 3 Phase

Motor Protection

F: Internal Inherent Protection

Voltage

D: 60Hz (460-3) 50Hz (380/420-3)