

# CR34KQ-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**Production Status:** This model is obsolete and is no longer in production for both OEM and service replacement.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)	33500	43800
Power (W):	3350	2770
Current (Amps):	4.8	4.1
EER(BTU/Wh):	10	15.8
Mass Flow (lbs/hr):	492	565
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	1998-08-19	
Mechanical		
Displacement (in <sup>3</sup> /Rev):	3.78	
Displacement (ft <sup>3</sup> /Hr):		
Overall Length (in):	9.30	
Overall Width (in):	9.30	
Overall Height (in):	13.70	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	10.10	

<b>Suction Size (in),Type:</b>	3 / 4 Stub
<b>Discharge Size (in),Type:</b>	3 / 8 Stub
<b>Initial Oil Charge (oz):</b>	40
<b>Oil Recharge (oz):</b>	
<b>Oil Type:</b>	MIN
<b>Net Weight (lbs):</b>	.0
<b>Internal Free Volume (in<sup>3</sup>):</b>	350.0

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

#### Electrical

<b>LRA High* (Amps):</b>	29.2
<b>LRA Low*(Amps):</b>	
<b>LRA Half Winding (Amps):</b>	
<b>MCC (Amps):</b>	7.5
<b>Max Operating Current (Amps):</b>	7.2
<b>RLA, MCC/1.4(use for contactor selection)(Amps):</b>	5.4
<b>RLA, MCC/1.56(use for breaker &amp; wire size selection)(Amps):</b>	4.8
<b>RPM:</b>	3500
<b>Box IP :</b>	
<b>UL File No:</b>	
<b>UL File Date:</b>	

\*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
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

CR34KQ-TFD

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### **Family Series**

**C:** Family of Compressors

### **Application Range**

**R:** R22, R134A, R407C

### **Nominal Capacity at Rating Condition**

**34K:** 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)