

**Mbsm.pro, Compressor,
CRJQ-0300-PFV-593, CRJQ 0300,
Copeland, 3-1/4 HP, 208-230V,
1 PH, R22, R407C, Hermetic
Compressor, 3300BTU, 9170W**

written by Lilianne | 2 February 2022

Copeland 
MODEL MADE IN U.S.A. MARCA REGISTRADA

CRJQ-0300-PFV-593



SERIAL **96D45450H** **07535-030**

 **F3D**

THERMALLY PROTECTED

OIL	MO	PRO	VOLTS		PH	HZ	LRA
55	E	U	208	230	1	60	93.0
MIN			200			50	

Copeland compressor Features:

Copeland Model is from 2HP-30JP with high machining accuracy and numerous advantages: small volume, light weight, high efficiency, low vibration and high reliability which will largely replace the traditional piston compressor and has been widely used in the developed countries.

1. With high and low voltage protection, relief valve, the motor overload protection device etc.

2. Easier maintenance, longer service life, design life of 15 years.

3. No internal reciprocating motion mechanism, so the simple structure, small volume, light weight.

4. Less Parts (especially vulnerable part), all parts are sealed inside the acoustic enclosure, at the bottom of the compressor is equipped with elastic damping device; Minimize the noise problem.

5. Torque changes little, high balance, little vibration, stable running, within the scope of its adaptive capacity have higher efficiency.

6. Compact structure, light weight, large capacity, power

consumption province, can work continuously for a long time.

Compressor Code	Capacity		Input	Current	Weight	Height	Normal Power	Power Supply
	BTU	W	KW	A	kg	mm	HP	
CR37KQ	27000	9170	3.13	9.4	31.8	376	3	220V/380V 50HZ-60HZ
CR47KQ	31500	11300	3.81	11.5	33.6	388	3.5	220V/380V 50HZ-60HZ
CR53KQ	36000	12400	4.3	12	33.6	388	4	220V/380V 50HZ-60HZ
CRGQ-0250	22500	7850	2.76	8.52	30.4	375	2.5	220V/380V 50HZ-60HZ
CRHQ-0275	24750	8200	2.89	9.38	30.4	375	2.75	220V/380V 50HZ-60HZ
CRJQ-0300	27000	9170	3.13	10.23	31.8	381	3	220V/380V 50HZ-60HZ
CRPQ-0450	40500	13400	4.56	14.6	38.1	428	4.5	380V 50HZ-60HZ
CRNQ-0500	45000	15000	5.02	13.4	38.1	409	5	380V 50HZ-60HZ
QR90K1	67500	21700	7.58	22.1	67.6	468	7.5	380V 50HZ-60HZ
QR12M1	90000	28200	10.1	29.5	69.4	468	10	380V 50HZ-60HZ
QR15M1	108000	34900	12.9	38.6	72.6	468	12	380V 50HZ-60HZ

Description

Copeland Hermetic Compressor CRJQ-0300-PFV

Note: Product image may vary and is for your reference only.

Get to know our wide range of Copeland Hermetic Compressors, Copeland Semi-Hermetic Compressors, Copeland Discus Compressors, Copeland Scroll Compressors (Tandem and trio), and Copeland Screw Compressors. We have for sale all its components, accessories and parts for their repair and replacement.

We have Repair and Remanufacturing in Semi-hermetic and Screw-type models.

Copeland Hermetic Compressor CRJQ-0300-PFV

Technical Data

CRJQ-0300-PFV

HCFC, R-22, 50 Hz, 1 -phase, 200 V

Air conditioning

Performance

Evaporator Temp(°F) 45 45

Condensing Temp(°F) 130 100

Return Gas (°F) 65 65

Liquid Temp (°F) 115 85

Capacity (Btu/hr) 31200 42300

Power (W): 3130 2600

Current (Amps): 16.9 14.2

EER (Btu/Wh): 10.0 16.3

Mass Flow (Ibs/hr): 457 545

Sound Data

Sound Power (dBA): 72 Avg 77 Max

Vibration (mils(peak-peak)): 1.8 Avg 2.8 Max

Record Date: 2004-08-19

Mechanical

Displ(in³/Rev): 4.18

Displ(ft³/hr): 420.47

Overall Length (in): 9.44

Overall Width (in): 9.13

Overall Height (in): 14.81

Mounting Length (in): 7.50

Mounting Width (in): 7.50

Mounting Height (in): 15.19*

Suction Size (in): 3/4 trozo

Discharge Size (In): 3/8 trozo

Initial Oil Charge (oz): 55

Oil Recharge (oz): 51

Net Weight (lbs): 69.0

Internal Free Volume (in³): 395.0

Horse Power: NA

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

Electrical

LRA-High*: 93.0

LRA Low *: NA

LRA-Half Winding: NA

MCC (Amps): 31.5

Max Operating Current: NA

RLA(=MCC/1.4;use for contactor selection): 22.5

RLA(=MCC/1.56;use for breaker & wire size selection): 20.2

RPM: 2900

UL File No: SA-2337

UL File Date: 1984-12-28

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Type: Start Capacitor

Part No: 014-0008-65

Low MFD: 64.0

High MFD: 77.0

Volts: 330

User Description: LOW TORQUE

Type: Start Capacitor

Part No: 014-0008-71

Low MFD: 189.0

High MFD: 227.0

Volts: 220

User Description: ALTO BY

Type: Run Capacitor

Part No: 014-0037-11

Low MFD: 35.0

High MFD: 0.0

Volts: 370

User Description: NA

Alternate Applications

Refrigerant: R-22 HCFC

Voltage: 208/230

Phase 1

Freq (Hz): 60

Application: Air Conditioning

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