

CR47KQ, CR47KQ-TFD-970-COPW, CR47KQ-TFD, 3.5 hp, 3 ph, r22, 400v, 47000 btu

Category: compressor

written by Lilianne | 17 April 2023



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Mbsm.pro, Copeland, Hermetic, CR47KQ, Compressor, Series: CR, 47000 BTU/hr, 10.034 cfm, 460 VAC, 6.9 amp, 4 ton Tonnage, 60 Hz, 3 PH, 3500 rpm, 3.5 hp, 4540 watt, R-22, R-404A, R-407C

Hermetic Piston Copeland Compressor CR &QR Series

Technical Datas:



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Mbsm_dot_pro_private_PDF_CR47KQ-TFD

Model	power (HP)	condensing temp. (°C)	Refrigeration Ability(W)										Input Power (W)	cylinder NO.	Displacement (CC)	Height (mm)	Weight (kg)	
			R22	10	7.2	4.4	-1.1	-6.7	-12.1	-17.8	-23.3	-25						7.2
CR18KQ	1.5	32.2	6790	6110	5470	4350	3360	2530	1780	1160	990	1060	910	2	33	358	29	
		43.3	5800	5190	4620	3610	2710	1970	1310	770	1300	980	1500					1030
		54.4	4870	4330	3820	2930	2140	1490	930	480	1500	1030						
CR24KQ	2	32.2	8370	7550	6780	5410	4210	3210	2300	1550	1390	1360	1140	2	42	350	30	
		43.3	7170	6430	5740	4520	3450	2560	1750	1140	1680	1240	1960					1330
		54.4	6030	5380	4780	3720	2780	2010	1360	810	1960	1330						
CR33KQ	2.5	32.2	12510	11240	10040	7930	6050	4490	3070	1910	1590	1870	1520	2	92	388	37	
		43.3	10600	9450	8360	6450	4750	3340	2080	1080	2270	1570	2570					1550
		54.4	8740	7710	6750	5040	3550	2320	1250	470	2570	1550						
CR37KQ	3	32.2	14250	12840	11520	9180	7110	5390	3830	2165	2200	2160	1770	2	70	376	33	
		43.3	12150	10870	9670	7560	5690	4130	2750	1620	2640	1860	3030					1870
		54.4	10060	8920	7860	5980	4320	2960	1770	850	3030	1870						
CR47KQ	3.5	32.2	17040	15410	13880	11180	8800	6820	5030	3550	3140	2610	2160	2	105	409	43	
		43.3	14660	13180	11810	9370	7220	5440	3830	2510	3210	2330	3700					2420
		54.4	12280	10960	9740	7580	5680	4110	2700	1590	3700	2420						
CR53KQ	4	32.2	19310	17400	15630	12480	9700	7370	5260	3520	3240	3080	2380	2	92	388	37	
		43.3	16680	14940	13330	10470	7940	5830	3920	2370	3670	2570	4140					2690
		54.4	14110	12570	11120	8570	6310	4440	2770	1450	4140	2690						
CRNQ-05005		32.2	22070	19950	17970	14470	11830	8810	6470	4550	4020	3540	2840	2	105	409	43	
		43.3	19190	17270	15480	12300	9500	7170	5060	3330	4250	3080	4840					3240
		54.4	16370	14660	13050	10220	7730	5660	3810	2300	4840	3240						
QR85K1	7	32.2	32500	29300	21600	20300	15200	11000	7850	5770	5390	5360	3940	4	182	468	73	
		43.3	27500	24500	21700	16500	12100	8640	6210	6190	4150	6880	4180					
		54.4	22600	20000	17500	13000	9380	6650	3500	3300	5890	4340						
QR90K1	7.5	32.2	35500	31900	28400	22000	16500	12000	8530	6300	5950	5890	4340	4	182	468	73	
		43.3	29900	26600	23500	17900	13200	9430	6770	6810	4570	7580	4610					
		54.4	24600	21700	19000	14200	10200	7240	4600	4100	7900	5810						
QR12M1	10	32.2	46000	41300	36900	28700	21500	15600	11100	8170	7620	7900	5810	4	228	468	75	
		43.3	38700	34600	30500	23300	17100	12200	8790	9130	6120	10100	6160					
		54.4	31900	28200	24700	18400	13200	9410	52700	48100	43400	34600	26900					20200
QR15M1	12.5	32.2	52700	48100	43400	34600	26900	20200	14600	10400	9380	10200	7390	4	274	468	78	
		43.3	46000	41300	37200	29300	22300	16500	12000	11500	7940	12900	8240					
		54.4	39000	34900	31100	24000	18100	13300	64500	58400	52600	42200	33080					25100
BRK2-120013		32.2	64500	58400	52600	42200	33080	25100	18450	12700	11030	12300	9870	4	274	468	78	
		43.3	57200	51600	46300	36700	28400	21100	14900	13700	10500	15200	11300					
		54.4	48600	43500	38800	30300	22900	16500										

COMP 3 1/2HP 460/3 HERM A/C R22

Copeland Hermetic Compressor, Series: CR, 47000 BTU/hr, 10.034 cfm, 460 VAC, 6.9 amp, 4 ton Tonnage, 60 Hz, 3 PH, 3500 rpm, 4 hp, 4540 watt, R-22, R-404A, R-407C, HCFC Refrigerant, 10.4 – 16.1, 76 – 81 dBA, 7/8 Inch Stub Suction, 1/2 Inch Stub Discharge, 45 deg F Evaporator, 100 – 130 deg F Condensing, 65 deg F Return Gas, 85 – 115 deg F Liquid, 10.38 Inch Length x 9.09 Inch Width x 14.81 Inch Height, 690 – 770 lbs/hr Mass Flow

- Internal inherent protection – 1-protector (line break) use with contactor
- Compressor family series
- Model variation
- 45 oz initial oil charge, 43 oz oil recharge
- 495 cu-Inch internal free volume
- 7-1/2 Inch length x 7-1/2 Inch width x 15.19 Inch height mounting
- 8.2 amp rated load, 50 amp locked rotor, 11.5 amp minimum circuit, 11.1 amp maximum operating
- 2-cylinders
- 1.96 Inch bore, 0.82 Inch stroke
- 4.95 cu-Inch/Rev displacement
- Bill of material – crankcase heater, mounting parts, screw terminals (CRM-P), sweat connections, terminal cover, terminal flag kit (CRA-L), 4-13/16 x 8 Inch footprint

Item Specifications

- Amperage Rating
6.9 amp
- Brand Name
Copeland
- BTU Rating
47000 BTU/hr
- CFM Rating
10.034 cfm
- Connection Type
7/8 Inch Stub Suction, 1/2 Inch Stub Discharge
- Decibel Rating
76 – 81 dBA
- Dimensions
10.38 Inch Length x 9.09 Inch Width x 14.81 Inch Height
- EER
10.4 – 16.1
- Frequency Rating
60 Hz
- HP Rating
3.5 hp
- Item Name
Hermetic Compressor
- Mass Flow

690 – 770 lb/hr

- Phase
3 PH
- Refrigerant
R-22, R-404A, R-407C, HCFC
- RPM
3500 rpm
- Series
CR
- Temperature Rating
45 deg F Evaporator, 100 – 130 deg F Condensing, 65 deg F Return Gas, 85 – 115 deg F Liquid
- Tonnage
4 ton
- Voltage Rating
460 VAC
- Wattage
4540 watt