

TABULAR DATA SHEET

Outdoor Split System Air Conditioner 2 Thru 5 Tons

MODELS: CCGD24* THRU 60

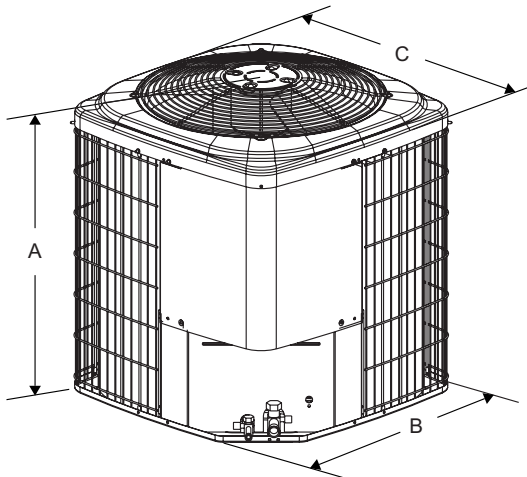
13 SEER – R-410A, 1 PHASE

Physical and Electrical Data

MODEL	CCGD24S41Q3	CCGD30S41Q3	CCGD36S41Q3	CCGD42S41Q3	CCGD48S41Q23	CCGD60S41Q3							
Unit Supply Voltage	208-230V, 1 ϕ , 60Hz												
Normal Voltage Range ¹	187 to 252												
Minimum Circuit Ampacity	12.4	14.7	17.9	21.5	21.1	34.3							
Max. Overcurrent Device Amps ²	20	25	30	35	35	60							
Min. Overcurrent Device Amps ³	15	15	20	25	25	35							
Compressor Type	Recip	Recip	Recip	Recip	Recip	Scroll							
Compressor Amps	Rated Load	9.3	10.6	13.1	16.0	26.2							
	Locked Rotor	43.0	54.0	74.0	84.0	150.0							
Crankcase Heater	No	No	No	No	No	No							
Fan Diameter Inches	17.5	17.5	22	22	22	24							
Minimum Wire Size 75° C Copper (Max Length in Ft)	AWG	10	8	10	8	10	8	10	8	10	8	10	8
	208V Max Length	98	155	78	124	57	90	50	80	50	80	28	45
	230V Max Length	108	172	86	137	63	100	55	88	55	88	31	49
Fan Motor	Rated HP	1 / 8	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
	Rated Load Amps	0.80	1.40	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	Nominal RPM	1075	1100	850	850	850	850	850	850	850	850	850	850
	Nominal CFM	1950	2050	3200	2950	2950	2950	2950	2950	2950	2950	3600	3600
Coil	Face Area Sq. Ft.	9.6	9.6	13.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	18.7	18.7
	Rows Deep	1	1	1	1	1	1	1	1	1	1	1	1
	Fin / Inches	23	23	23	23	23	23	23	23	23	23	23	23
Liquid Line Set OD (Field Installed)	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8	3 / 8
Vapor Line Set OD (Field Installed)	3 / 4	3 / 4	3 / 4	3 / 4	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8
Unit Charge (Lbs. - Oz.) ⁴	2 - 10	2 - 11	3 - 6	3 - 1	3 - 9	4 - 2	3 - 9	4 - 2	3 - 9	4 - 2	3 - 9	4 - 2	4 - 2
Charge Per Foot, Oz.	0.62	0.62	0.62	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
Operating Weight Lbs.	129	131	145	173	173	195	173	173	173	173	173	173	195

1. Rated in accordance with ANSI/AHRI Standard 110-2002, utilization range "A".
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. The Unit Charge is correct for the outdoor unit.

All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A ¹	B	C	Liquid	Vapor
24	28	23-1/2	23-1/2	3/8"	3/4"
30	28	23-1/2	23-1/2		
36	28	29	29		
42	30	29	29		
48	30	29	29	7/8"	
60	32	33-5/8	33-5/8		

1. Including Fan Guard.

System Charge for Various Matched Systems

Outdoor Unit	CCGD24S41Q3	CCGD30S41Q3	CCGD36S41Q3	CCGD42S41Q3	CCGD48S41Q3	CCGD60S41Q3
Required Orifice or TXV	0.055 / 4F1	0.061 / 4F1	0.065 / 4G1	0.075 / 4G1	0.073 / 4H1	0.087 / 4J1
Factory Charge, lbs-oz	2 - 10	2 - 11	3 - 6	3 - 1	3 - 9	4 - 2
Rated CFM	800	1000	1200	1400	1600	1800
PreCharged Indoor Coils	Pre-charged Refrigerant Line Set ¹ See Table Below					

Indoor Coil	Additional Charge, Oz					
FC/MC/PC35	-	4463Q	-	-	-	-
FC/MC/PC36	4463Q	-	-	-	-	-
FC/MC/PC43	-	-	4463Q	4473Q	-	-
FC/MC/PC48	-	-	-	-	4473Q	-
FC/MC/PC60	-	-	-	-	-	4473Q

Footnotes:

1. Match series number with table below for complete line set Part Number.

Pre-charged Refrigerant Line Set	Line Set Length (ft)	Factory Charge lbs-oz	Liquid Line Size	Suction Line Size
4463Q1531	15	0 - 10	3 / 8	3 / 4
4463Q2031	20	0 - 13		
4463Q2531	25	1 - 0		
4463Q3031	30	1 - 3		
4463Q4031	40	1 - 10		
4463Q5031	50	2 - 0		
4473Q1531	15	0 - 10	3 / 8	7 / 8
4473Q2031	20	0 - 13		
4473Q2531	25	1 - 0		
4473Q3031	30	1 - 3		
4473Q4031	40	1 - 10		
4473Q5031	50	2 - 0		

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser only.
2. Verify the pre-charged line set size and the additional charge required for the specific evaporator coil in the system using the above table.
3. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base charge (as shipped) + 8 oz for Indoor coil + charge for line set.