

# TABULAR DATA SHEET

## Outdoor Split System Air Conditioner 2 Thru 5 Tons

MODELS: CCGD24\* THRU 60

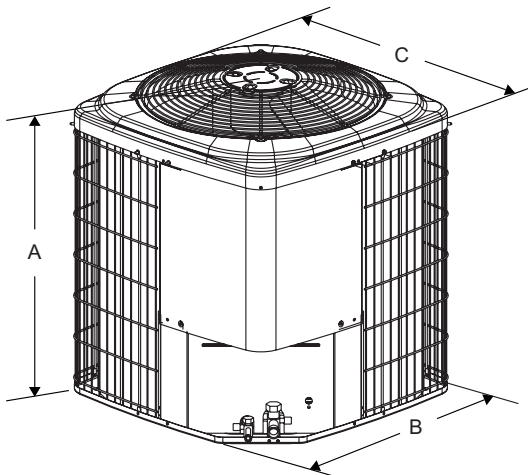
13 SEER – R-22, 1 PHASE

### Physical and Electrical Data

MODEL	CCGD24 S21Q2	CCGD30 S21Q2	CCGD36 S21Q2	CCGD42 S21Q2	CCGD48 S21Q2	CCGD60 S21Q2
Unit Supply Voltage	208-230V, 1 $\phi$ , 60Hz					
Normal Voltage Range <sup>1</sup>	187 to 252					
Minimum Circuit Ampacity	11.3	14.0	18.2	19.9	22.7	33.5
Max. Overcurrent Device Amps <sup>2</sup>	15	20	30	30	35	50
Min. Overcurrent Device Amps <sup>3</sup>	15	15	20	20	25	35
Compressor Type	Rotary	Recip	Recip	Recip	Recip	Scroll
Compressor Amps	Rated Load	8.4	10.6	13.4	14.7	25.6
	Locked Rotor	47.0	61.0	78.0	78.0	150.0
Crankcase Heater	No	No	No	No	No	No
Fan Motor Amps	Rated Load	0.80	0.80	1.4	1.5	1.5
Fan Diameter Inches	18	18	18	22	22	22
Minimum Wire Size 75° C Copper (Max Length in Ft)	AWG	10 8	10 8	10 8	10 8	10 8
	208V Max Length	89 142	69 110	54 86	54 86	49 78
	230V Max Length	99 157	76 121	59 95	59 95	54 86
Fan Motor	Rated HP	1/8	1/8	1/4	1/4	1/4
	Nominal RPM	1075	1075	1100	850	850
	Nominal CFM	1850	1950	2400	3000	3000
Coil	Face Area Sq. Ft.	9.7	11.3	12.1	16.5	16.5
	Rows Deep	1	1	1	1	1
	Fin / Inches	23	23	23	23	23
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)	3/4	3/4	3/4	7/8	7/8	1-1/8
Unit Charge (Lbs. - Oz.) <sup>4</sup>	2 - 13	2 - 8	2 - 12	2 - 15	3 - 1	4 - 6
Charge Per Foot, Oz.	0.68	0.68	0.68	0.70	0.70	0.76
Operating Weight Lbs.	130	150	160	175	176	200

1. Rated in accordance with ARI Standard 110, 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 <sup>1</sup>	B	C	Liquid	Vapor
24	28	23-1/2	23-1/2	3/8"	3/4"
30	32	23-1/2	23-1/2		
36	34	23-1/2	23-1/2		
42	34	29	29		7/8"
48	34	29	29		
60	40	29	29		

1. Including Fan Guard.

### Additional R-22 Charge / Orifice Size for Various Matched Systems

Outdoor Unit	CCGD24S21Q2	CCGD30S21Q2	CCGD36S21Q2	CCGD42S21Q2	CCGD48S21Q2	CCGD60S21Q2
Factory R-22 Charge, lbs-oz	2 - 13	2 - 8	2 - 12	2 - 15	3 - 1	4 - 6
Rated CFM	800	1000	1200	1400	1600	1800
PreCharged Indoor Coils	Pre-charged Refrigerant Line Set <sup>1</sup> See Table Below					

Indoor Coil	Pre-charged Refrigerant Line Set					
MH24Q59 <sup>2</sup>	2442-	-	-	-	-	-
MH30Q65 <sup>2</sup>	-	2442-	-	-	-	-
MH30Q2A <sup>2</sup>	2442-	2442-	-	-	-	-
FC43C3XN1A <sup>3</sup>	-	-	2442-	2455-	-	-
FC48C3XN1A <sup>3</sup>					2455-	-
FC62D3XN1A <sup>3</sup>	-	-	-	-	-	- <sup>4</sup>

Footnotes:

1. Match series number with table below for complete line set Part Number. (I.e. 2442- indicates 2442-8151 for a 15 ft installation requirement.
2. These indoor coils are shipped with 8 oz. of refrigerant (R-22).
3. These indoor coils are **NOT** shipped with 8 oz. of refrigerant (R-22).
4. Field supplied lineset only.

Pre-charged Refrigerant Line Set	Line Set Length (ft)	Factory R-22 charge lbs-oz	Liquid Line Size	Suction Line Size
2442-8151	15	0 - 11.4	3/8	3/4
2442-8201	20	0 - 15		
2442-8251	25	1 - 3		
2442-8301	30	1 - 6		
2442-8401	40	1 - 14		
2442-8501	50	2 - 6		
2455-8151	15	0 - 12	3/8	7/8
2455-8201	20	0 - 15		
2455-8251	25	1 - 4		
2455-8301	30	1 - 7		
2455-8401	40	1 - 15		
2455-8501	50	2 - 7		

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.

