

TECHNICAL GUIDE

SPLIT-SYSTEM AIR CONDITIONERS

13 SEER – R-410A

MODELS:
CCGD24 THRU 60
(2 THRU 5 NOMINAL TONS, 1 PHASE)



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.york.com

Additional rating information can be found at www.ahridirectory.org

WARRANTY

Standard 5-year limited parts warranty.
Standard 5-year limited compressor warranty.

DESCRIPTION

The 13 SEER Series unit is the outdoor part of a versatile climate system. It is designed with a matching indoor coil component from Johnson Controls Unitary Products. Available for typical applications this climate system is supported with accessories and documents to serve specific functions.

FEATURES

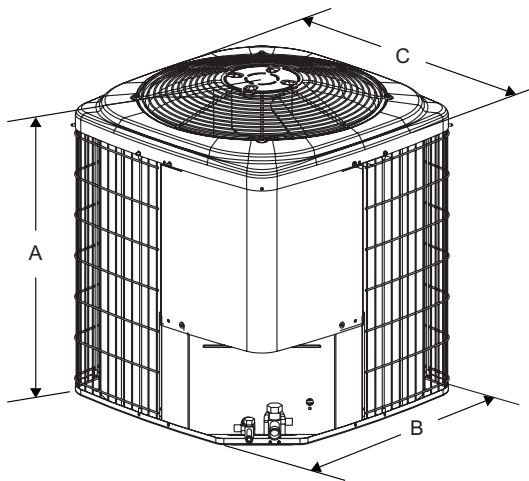
- **QUALITY CONDENSER COILS** - The coil is constructed of aluminum microchannel tubing and enhanced aluminum fins for increased efficiency and corrosion protection.
- **PROTECTED COMPRESSOR** - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of high pressure relief valve and a temperature sensor which protects the compressor if undesirable operating conditions occur. A liquid line filter-drier further protects the compressor.
- **DURABLE FINISH** - The cabinet is made of pre-painted steel. The pre-treated galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and matted-textured finish insure less fading when exposed to sunlight.
- **LOWER INSTALLED COST** - Installation time and costs are reduced by easy power and control wiring connections. The unit contains enough refrigerant for matching indoor coils. The small base dimension means less space is required on the ground or roof.
- **TOP DISCHARGE** - The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **LOW OPERATING SOUND LEVEL** - The upward air flow carries the normal operating noise away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds.
- **LOW MAINTENANCE** - Long life permanently lubricated motor-bearings need no annual servicing.
- **EASY SERVICE ACCESS** - Fully exposed refrigerant connections, a single panel covering the electrical controls, and the mox plug in the control box connecting the condenser fan make for easy servicing of the unit.
- **FACTORY TESTED** - to verify system operation and control functioning before shipment.
- **U.L. and C.U.L. listed** - approved for outdoor application.
- **Agency Listed** - U.L. and C.U.L. listed - approved for outdoor application. The unit is certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

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 Motor Amps	Rated Load	17.5	17.5	22	22	24							
Fan Diameter Inches	10	8	10	8	10	8							
Minimum Wire Size 75° C Copper (Max Length in Ft)	AWG	98	155	78	124	57	90	50	80	50	80	28	45
	208V Max Length	108	172	86	137	63	100	55	88	55	88	31	49
	230V Max Length	1 / 8	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
Fan Motor	Rated HP	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							
Charge Per Foot, Oz.	0.62	0.62	0.62	0.67	0.67	0.67							
Operating Weight Lbs.	129	131	145	173	173	195							

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 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		7/8"
48	30	29	29		
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 R-22 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:

- Match series number with table below for complete line set Part Number. (I.e. 2442- indicates 2442-8151 for a 15 ft installation requirement.)

Pre-charged Refrigerant Line Set	Line Set Length (ft)	Factory R-22 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:

- Unit factory charge listed on the unit nameplate includes refrigerant for the condenser only.
- Verify the pre-charged line set size and the additional charge required for the specific evaporator coil in the system using the above table.
- 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.

COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils

UNIT MODEL	FURNACE		COIL MODEL	COOLING				
	CFM RANGE (Min.-max.)	W		RATED CFM	NET MBH		SEER ¹	EER
					TOTAL	SENS.		
CCGD24S41Q3	600 - 1000	14,17,21	FC/MC/PC36	800	24.0	16.7	13.00	11.00
CCGD30S41Q3	800 - 1200	17,21	FC/MC/PC35	1000	29.0	21.0	13.00	11.00
CCGD36S41Q3	1000 - 1400	17,21	FC/MC/PC43	1200	35.0	24.8	13.00	11.00
CCGD42S41Q3	1200 - 1600	17,21	FC/MC/PC43	1400	42.0	29.2	13.00	11.00
CCGD48S41Q3	1400 - 1800	21,24	FC/MC/PC48	1600	48.0	34.4	13.00	11.00
CCGD60S41Q3	1600 - 2000	21,24	FC/MC/PC60	1800	57.0	38.5	13.00	11.00

- Requires a 2FD06700224 Blower Time Delay unless a standard furnace is equipped with one.

ACCESSORIES

Refer to Price Manual for specific model numbers.

Off Cycle Timer Delay - Provides a 5-minute off cycle to prevent rapid recycling of the compressor.

Hard Start Kit - Required when using TXV indoor coil. Also, provides increased starting torque for areas with low voltage.

Model	Source 1 Kit numbers
24	S1-2SA06721706
30	S1-2SA06705906
36	S1-2SA06708906
42	S1-2SA06708806
48	S1-2SA06708806
60	S1-2SA06707906

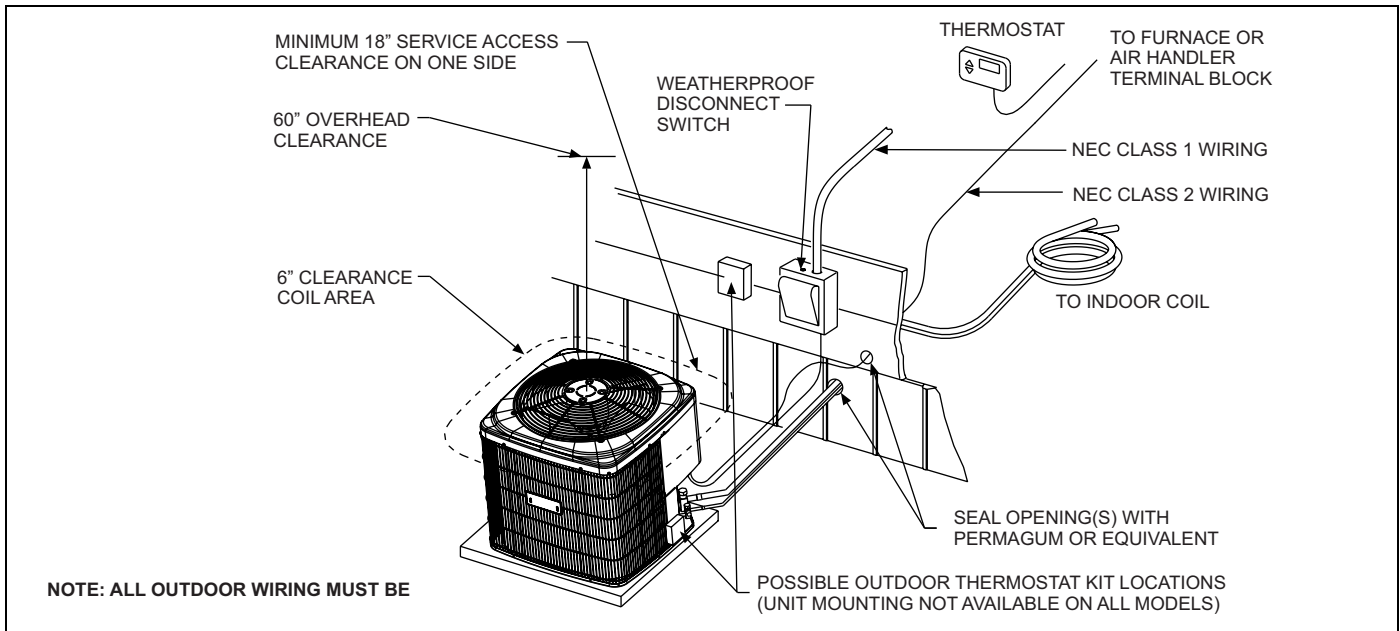
Thermostats - Compatible thermostat controls are available through accessory sourcing. For optimum performance and installation, refer to the UPGNET "Low Voltage Wiring Diagram" document to select and apply controls.

SOUND POWER RATINGS*

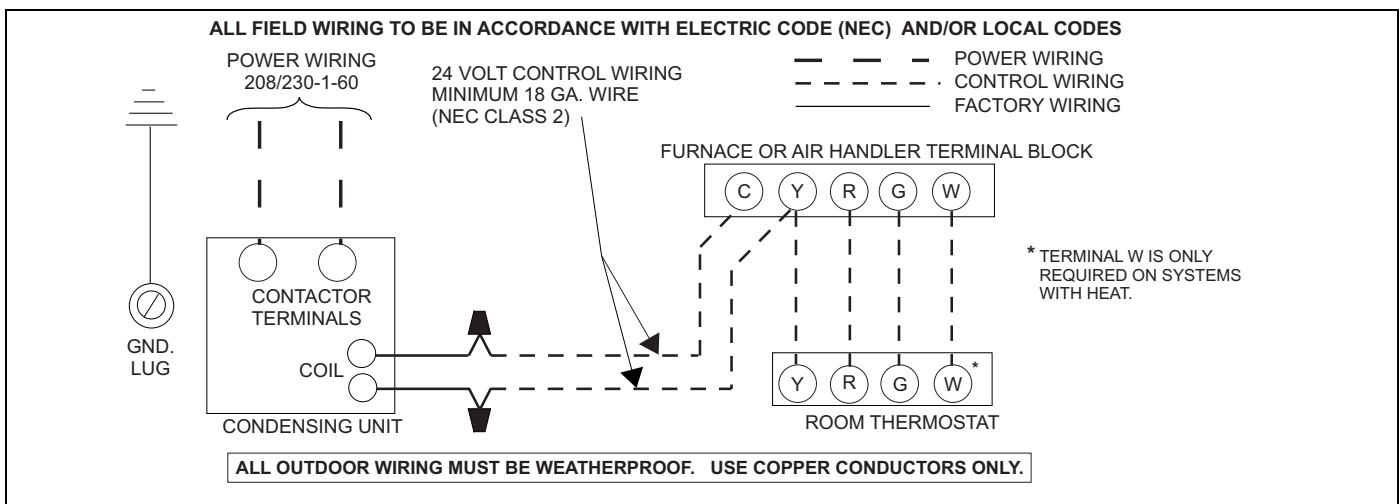
Unit Model	(dBA)
24	76
30	76
36	76
42	76
48	77
60	78

* Rated in accordance with ARI 270-95 Standards.

TYPICAL INSTALLATION



TYPICAL FIELD WIRING



COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD24S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC36														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	600					800					1000				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	22.0	27.4	27.3	29.1	30.3	24.3	28.8	28.6	30.4	31.7	26.6	30.1	29.8	31.8	33.2
	S.C.	22.0	19.9	17.3	17.0	13.8	24.2	22.9	19.6	18.8	14.8	26.4	26.0	22.0	20.6	15.7
	KW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75	T.C.	20.5	25.3	25.1	27.4	29.3	23.0	26.9	26.6	28.9	30.7	25.5	28.4	28.0	30.4	32.2
	S.C.	20.5	19.3	16.4	16.5	13.4	22.8	22.1	18.8	18.4	14.4	25.1	24.9	21.3	20.3	15.5
	KW	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85	T.C.	19.0	23.2	23.0	25.8	28.3	21.7	25.0	24.6	27.4	29.7	24.4	26.7	26.1	28.9	31.2
	S.C.	19.0	18.6	15.6	15.9	12.9	21.4	21.2	18.1	18.0	14.1	23.9	23.7	20.5	20.0	15.3
	KW	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.8
95	T.C.	17.5	21.1	20.8	23.8	27.2	20.4	23.1	22.5	24.0	28.7	23.3	25.0	24.3	27.5	30.1
	S.C.	17.5	18.0	14.7	15.4	12.4	20.0	20.3	17.3	16.8	13.7	22.6	22.6	19.8	19.7	15.1
	KW	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0
105	T.C.	16.2	19.0	18.4	21.7	24.8	18.7	21.0	20.2	23.3	26.3	21.3	22.9	22.0	24.9	27.7
	S.C.	16.1	16.6	13.7	14.4	11.6	18.4	18.6	15.9	16.6	13.0	20.6	20.6	18.2	18.8	14.5
	KW	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1
115	T.C.	14.8	17.0	16.1	19.3	22.5	17.1	18.9	17.9	20.8	23.9	19.4	20.9	19.7	22.3	25.4
	S.C.	14.8	15.3	12.7	13.5	10.8	16.8	17.0	14.6	15.7	12.4	18.7	18.7	16.5	17.8	13.9
	KW	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.2	2.3
125	T.C.	13.5	14.9	13.8	16.8	20.1	15.5	16.9	15.6	18.3	21.6	17.5	18.9	17.4	19.8	23.1
	S.C.	13.5	13.9	11.7	12.5	10.1	15.1	15.4	13.3	14.7	11.7	16.8	16.8	14.9	16.9	13.3
	KW	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.2	2.3	2.4	2.3	2.3	2.3	2.3	2.4

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD30S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC35														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	800					1000					1200				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	28.4	31.4	30.8	33.1	34.4	29.8	31.8	31.4	33.4	34.5	31.2	32.3	32.1	33.7	34.7
	S.C.	28.8	25.8	21.7	21.2	16.0	30.4	28.2	23.6	22.6	17.1	31.9	30.7	25.4	24.0	18.1
	KW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75	T.C.	26.4	28.8	28.2	30.9	32.6	27.9	29.7	28.9	31.4	32.8	29.5	30.5	29.6	31.8	32.9
	S.C.	26.9	24.7	20.5	20.3	15.4	28.5	27.1	22.6	22.0	16.4	30.2	29.5	24.6	23.7	17.5
	KW	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85	T.C.	24.4	26.3	25.6	28.8	30.9	26.0	27.5	26.4	29.3	31.0	27.7	28.7	27.1	29.8	31.2
	S.C.	24.9	23.6	19.4	19.4	14.7	26.6	26.0	21.6	21.4	15.8	28.4	28.4	23.9	23.4	16.8
	KW	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1
95	T.C.	22.4	23.8	23.0	26.7	29.1	24.2	25.3	23.8	29.0	29.3	26.0	26.9	24.7	27.9	29.4
	S.C.	22.9	22.5	18.2	18.5	14.1	24.8	24.9	20.7	21.2	15.1	26.7	27.3	23.1	23.1	16.2
	KW	2.1	2.1	2.1	2.2	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3
105	T.C.	20.5	21.8	20.4	23.7	26.3	22.0	23.1	21.3	24.3	26.4	23.6	24.5	22.1	24.8	26.4
	S.C.	21.0	20.7	17.1	17.4	13.2	22.6	22.7	19.1	19.7	14.3	24.3	24.7	21.0	22.0	15.4
	KW	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.4	2.4	2.3	2.4	2.5
115	T.C.	18.6	19.8	17.9	20.9	23.5	19.9	21.0	18.8	21.4	23.5	21.2	22.2	19.6	21.8	23.6
	S.C.	19.1	18.9	15.9	16.4	12.3	20.5	20.5	17.5	18.6	13.5	22.0	22.2	19.1	20.9	14.7
	KW	2.5	2.5	2.4	2.5	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.6	2.6
125	T.C.	16.8	17.9	15.4	18.1	20.7	17.8	18.9	16.2	18.5	20.7	18.9	19.9	17.1	18.8	20.7
	S.C.	17.3	17.2	14.8	15.3	11.4	18.4	18.4	16.0	17.6	12.6	19.6	19.6	17.1	19.8	13.9
	KW	2.7	2.7	2.6	2.7	2.8	2.7	2.7	2.6	2.7	2.8	2.7	2.7	2.7	2.7	2.8

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD36S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC43														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1000					1200					1400				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
		T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW
65	T.C.	34.7	36.1	35.2	37.4	37.3	33.8	35.5	34.8	37.0	37.5	32.9	34.9	34.4	36.6	37.6
	S.C.	34.3	33.0	27.6	25.5	18.4	33.3	31.0	26.2	24.6	18.0	32.3	29.1	24.7	23.6	17.7
	KW	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.9	2.0	2.0
75	T.C.	33.6	34.7	33.6	35.9	36.6	32.6	33.9	33.2	35.5	36.6	31.5	33.2	32.7	35.1	36.6
	S.C.	33.3	32.5	27.5	25.6	18.6	32.1	30.6	25.8	24.5	18.0	31.0	28.7	24.2	23.3	17.5
	KW	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2
85	T.C.	32.4	33.2	32.0	34.4	35.8	31.3	32.3	31.5	34.1	35.7	30.2	31.5	31.0	33.7	35.5
	S.C.	32.2	32.0	27.3	25.8	18.8	30.9	30.2	25.5	24.3	18.0	29.6	28.3	23.7	22.9	17.3
	KW	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4
95	T.C.	31.3	31.7	30.4	33.0	35.0	30.1	30.7	29.9	35.0	34.8	28.9	29.8	29.4	32.2	34.5
	S.C.	31.1	31.5	27.2	26.0	19.0	29.7	29.7	25.2	24.9	18.0	28.3	27.9	23.2	22.5	17.1
	KW	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.6	2.6	2.6
105	T.C.	27.9	28.8	27.2	29.8	32.5	27.0	27.8	26.6	29.4	32.2	26.0	26.9	25.9	29.0	31.9
	S.C.	28.7	28.9	25.0	25.0	18.4	27.3	27.2	23.2	23.2	17.3	25.8	25.6	21.5	21.4	16.2
	KW	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.9	2.7	2.8	2.7	2.8	2.9
115	T.C.	24.6	26.0	24.2	26.8	30.1	23.9	25.1	23.4	26.3	29.8	23.3	24.1	22.6	25.9	29.5
	S.C.	26.3	26.3	22.8	24.1	17.8	24.9	24.8	21.3	22.2	16.6	23.5	23.3	19.8	20.3	15.4
	KW	3.0	3.0	3.0	3.0	3.1	3.0	3.0	2.9	3.0	3.1	2.9	2.9	2.9	3.0	3.1
125	T.C.	21.3	23.2	21.1	23.7	27.6	20.9	22.3	20.2	23.2	27.3	20.5	21.3	19.3	22.7	27.0
	S.C.	23.9	23.8	20.6	23.2	17.2	22.5	22.4	19.4	21.2	15.9	21.1	21.0	18.2	19.2	14.6
	KW	3.2	3.2	3.2	3.2	3.4	3.2	3.2	3.1	3.2	3.3	3.1	3.1	3.1	3.2	3.3

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD42S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC43														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1200					1400					1600				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
		T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW
65	T.C.	44.4	45.5	43.6	47.0	48.5	45.9	46.5	45.0	48.5	49.8	47.5	47.5	46.5	50.1	51.1
	S.C.	41.5	35.6	29.7	28.7	21.5	42.9	37.5	31.4	30.2	22.9	44.4	39.4	33.2	31.7	24.3
	KW	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.5	2.6
75	T.C.	42.3	42.9	41.2	45.1	46.6	44.2	44.3	42.7	46.6	47.9	46.0	45.7	44.2	48.1	49.1
	S.C.	39.4	35.2	29.2	28.5	21.3	41.1	37.4	31.1	30.1	22.4	42.9	39.7	33.0	31.8	23.6
	KW	2.7	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.9
85	T.C.	40.2	40.3	38.9	43.3	44.6	42.4	42.1	40.4	44.7	45.9	44.6	43.9	41.9	46.0	47.2
	S.C.	37.2	34.7	28.7	28.2	21.2	39.3	37.3	30.8	30.0	22.0	41.5	40.0	32.9	31.8	22.9
	KW	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.1
95	T.C.	38.2	37.7	36.5	41.5	42.7	40.7	39.9	38.0	42.0	44.0	43.2	42.1	39.6	43.9	45.3
	S.C.	35.0	34.3	28.1	28.0	21.0	37.5	37.3	30.5	29.4	21.6	40.0	40.3	32.8	31.9	22.2
	KW	3.2	3.2	3.2	3.3	3.4	3.3	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.4	3.4
105	T.C.	35.3	34.7	32.8	37.4	38.7	37.5	36.7	34.2	38.6	39.8	39.8	38.8	35.6	39.8	40.9
	S.C.	32.3	32.1	26.5	26.4	19.6	34.5	34.5	28.8	28.4	20.4	36.7	37.0	31.1	30.5	21.2
	KW	3.5	3.5	3.5	3.6	3.7	3.5	3.5	3.5	3.6	3.7	3.6	3.6	3.5	3.6	3.7
115	T.C.	32.4	31.7	29.2	33.4	34.8	34.5	33.6	30.5	34.6	35.7	36.5	35.5	31.8	35.7	36.7
	S.C.	29.7	30.0	25.0	24.9	18.2	31.6	31.9	27.2	27.0	19.3	33.5	33.8	29.4	29.1	20.3
	KW	3.7	3.7	3.7	3.8	4.0	3.8	3.8	3.7	3.8	4.0	3.8	3.8	3.7	3.9	4.0
125	T.C.	29.6	28.8	25.6	29.4	30.9	31.4	30.5	26.8	30.5	31.7	33.2	32.2	28.0	31.7	32.5
	S.C.	27.1	27.9	23.5	23.4	16.8	28.7	29.3	25.6	25.6	18.1	30.2	30.6	27.6	27.8	19.4
	KW	4.0	4.0	3.9	4.0	4.2	4.0	4.0	4.0	4.1	4.3	4.1	4.1	4.0	4.1	4.3

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD48S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC48														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1400					1600					1800				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	49.7	51.4	50.6	55.8	54.6	52.0	53.1	51.9	56.4	55.4	54.4	54.7	53.2	56.9	56.3
	S.C.	47.2	43.1	35.9	36.0	26.1	49.2	45.9	38.2	37.4	27.6	51.2	48.7	40.4	38.8	29.0
	KW	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.8	2.9
75	T.C.	47.5	48.6	47.7	52.9	52.4	49.8	50.3	48.9	53.6	53.1	52.0	52.1	50.2	54.3	53.8
	S.C.	44.9	42.0	35.0	34.9	25.4	47.0	44.8	37.1	36.5	26.8	49.0	47.6	39.3	38.2	28.1
	KW	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.2	3.0	3.0	3.0	3.1	3.2
85	T.C.	45.4	45.8	44.8	49.9	50.2	47.5	47.6	46.0	50.8	50.8	49.7	49.4	47.1	51.7	51.4
	S.C.	42.7	41.0	34.0	33.8	24.8	44.7	43.7	36.1	35.7	26.0	46.8	46.5	38.2	37.6	27.2
	KW	3.2	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.5	3.3	3.3	3.3	3.4	3.5
95	T.C.	43.2	42.9	42.0	47.0	47.9	45.3	44.9	43.1	48.0	48.4	47.4	46.8	44.1	49.1	48.9
	S.C.	40.4	39.9	33.0	32.7	24.1	42.4	42.6	35.1	34.6	25.2	44.5	45.4	37.1	37.0	26.3
	KW	3.5	3.5	3.5	3.6	3.7	3.6	3.6	3.5	3.7	3.8	3.6	3.6	3.6	3.7	3.8
105	T.C.	39.8	39.4	37.3	42.4	43.6	41.6	41.1	38.4	43.4	44.0	43.5	42.9	39.5	44.4	44.5
	S.C.	37.1	37.0	30.9	30.9	22.9	38.9	39.3	32.9	33.0	23.9	40.8	41.5	34.9	35.1	25.0
	KW	3.8	3.8	3.8	3.9	4.0	3.9	3.9	3.8	3.9	4.1	3.9	3.9	3.8	4.0	4.1
115	T.C.	36.5	35.9	32.7	38.0	39.3	38.1	37.5	33.9	38.9	39.8	39.7	39.1	35.1	39.8	40.2
	S.C.	33.9	34.2	28.9	29.2	21.6	35.5	36.0	30.9	31.3	22.7	37.2	37.7	32.8	33.3	23.8
	KW	4.1	4.1	4.0	4.2	4.3	4.1	4.1	4.1	4.2	4.4	4.2	4.2	4.1	4.2	4.4
125	T.C.	33.1	32.4	28.1	33.5	35.1	34.5	33.8	29.4	34.4	35.5	35.9	35.3	30.6	35.2	36.0
	S.C.	30.7	31.4	26.9	27.5	20.4	32.1	32.7	28.8	29.6	21.5	33.5	34.0	30.7	31.6	22.5
	KW	4.4	4.4	4.3	4.4	4.6	4.4	4.4	4.3	4.5	4.7	4.5	4.5	4.4	4.5	4.7

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

COOLING PERFORMANCE DATA																
AIR CONDITIONER MODEL NO.		CCGD60S41Q3														
INDOOR COIL MODEL NO.		FC/MC/PC60														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1600					1800					2000				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	55.8	63.8	62.1	65.2	71.9	60.3	65.7	62.8	66.7	69.8	64.8	67.5	63.5	68.2	67.8
	S.C.	54.7	51.6	41.4	41.1	34.1	58.4	54.2	43.9	42.6	31.9	62.1	56.8	46.5	44.2	29.6
	KW	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.0	3.1	3.0	3.1	3.1
75	T.C.	56.9	61.1	58.9	62.7	69.7	59.2	63.0	59.9	64.3	67.9	61.4	64.9	61.0	65.9	66.0
	S.C.	53.9	50.4	40.5	40.0	33.5	55.8	53.1	43.1	41.8	31.5	57.7	55.7	45.6	43.6	29.5
	KW	3.4	3.5	3.5	3.5	3.6	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85	T.C.	58.0	58.4	55.7	60.3	67.6	58.0	60.4	57.1	61.9	65.9	58.1	62.4	58.5	63.6	64.1
	S.C.	53.2	49.3	39.7	39.0	32.9	53.3	52.0	42.2	41.0	31.2	53.4	54.7	44.8	42.9	29.4
	KW	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	4.0
95	T.C.	59.1	55.7	52.5	56.9	65.5	56.9	57.8	54.3	57.0	63.9	54.7	59.8	56.0	61.2	62.2
	S.C.	52.4	48.1	38.8	37.9	32.3	50.7	50.9	41.4	38.8	30.8	49.0	53.6	43.9	42.3	29.4
	KW	4.3	4.3	4.3	4.4	4.5	4.3	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.4	4.4
105	T.C.	56.4	52.2	48.8	54.0	60.1	54.0	54.3	50.5	55.7	59.7	51.6	56.3	52.2	57.4	59.4
	S.C.	49.7	45.9	37.5	36.5	29.7	47.9	48.3	40.0	38.7	29.4	46.2	50.6	42.5	40.9	29.0
	KW	4.9	4.9	4.9	4.9	5.0	4.9	4.9	4.9	5.0	5.0	4.9	4.9	4.9	5.0	5.0
115	T.C.	53.8	48.8	45.2	50.2	54.8	51.2	50.9	46.8	51.9	55.7	48.7	53.0	48.5	53.6	56.6
	S.C.	47.1	43.8	36.2	35.0	27.3	45.3	45.7	38.6	37.3	27.9	43.5	47.7	41.1	39.6	28.6
	KW	5.5	5.4	5.4	5.5	5.6	5.5	5.5	5.4	5.5	5.6	5.4	5.5	5.4	5.5	5.6
125	T.C.	51.2	45.4	41.6	46.5	49.4	48.5	47.5	43.2	48.2	51.6	45.7	49.7	44.8	49.8	53.8
	S.C.	44.5	41.7	34.9	33.6	24.9	42.6	43.2	37.3	35.9	26.5	40.7	44.7	39.7	38.3	28.2
	KW	6.1	6.0	5.9	6.1	6.2	6.0	6.0	6.0	6.1	6.2	6.0	6.0	6.0	6.1	6.2

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

