



TECHNICAL GUIDE

AFFINITY
R-22 SPLIT-SYSTEM AIR CONDITIONERS
12 SEER
MODELS:
CMA024 THRU 060
(2 THRU 5 NOMINAL TONS)



Certification applies only when the complete system is listed with ARI.



This product was manufactured in a plant whose quality system is certified/registered as being in conformity with ISO 9001.



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

Visit us on the web at www.york.com for the most up-to-date technical information.

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

DESCRIPTION

The CMA Series condensing unit is the outdoor part of a versatile air conditioning system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

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

FEATURES

- **Superior Coil Protection** – A stamped decorative metal coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles.
- **Color Grilles** - Engineered around the needs and wants of the consumer, Affinity units are now available with a choice of color options designed to compliment any home.
- **Protected Compressors** – Each compressor is protected against abnormal pressures by an internal pressure relief valve and factory installed high pressure controls. Additional protection against moisture and debris is provided by factory installed liquid line filter driers.
- **Durable Finish** – Automotive quality finish provides the ultimate protection from harmful U.V. rays and rust creep ensuring long-lasting, high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes.
- **Lower Installed Cost** – Designed to provide enhanced installability by featuring a slide-down control compartment and angled service valves to reduce overall installation time and cost.
- **Low Operating Sound Levels** – Unit discharges upward to reduce sound transmission. An integrated fan venturi reduces fan sound levels even further. An isolator-mounted compressor covered by a sound-deadening blanket which is mounted to a composite polymer base pan insures unwanted compressor noises are not introduced into the environment.
- **Filter-Drier** – A factory installed, solid core liquid line filter-drier filters harmful debris and moisture from the system.
- **Easy Service Access** – A full end, full service, access panel with handle makes for easy entry to internal components.
- **Composite Base** - Strong and durable composite base pan resists rust and corrosion while it helps reduce vibrations and noise.
- **Long Lasting Operation** – Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration.
- **Low RPM fan motor** - Helps to reduce airflow noise.

Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

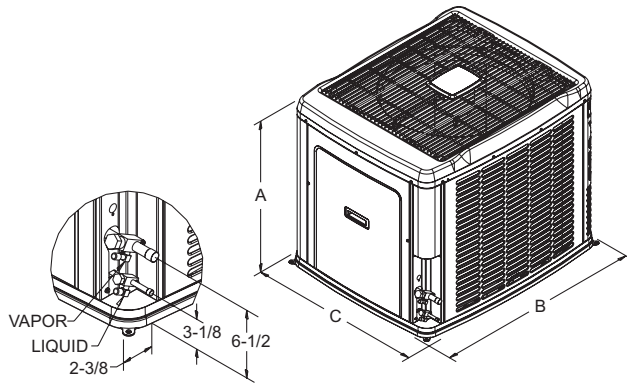
Physical and Electrical Data

MODEL		CMA02411	CMA03011	CMA03611	CMA04211	CMA04811	CMA06011
Unit Supply Voltage		208-230V, 1 ϕ , 60Hz					
Normal Voltage Range ¹		187 to 252					
Minimum Circuit Ampacity		14.1	16.5	19.9	23.9	25.5	37.5
Max. Overcurrent Device Amps ²		20	25	30	40	40	60
Compressor Type		Recip	Recip	Recip	Recip	Scroll	Scroll
Compressor Amps	Rated Load	10.9	12.8	14.7	17.9	19.2	28.8
	Locked Rotor	60	68	82	90	137	145
Crankcase Heater		Yes	Yes	Yes	Yes	No	No
Fan Motor Amps	Rated Load	0.5	0.5	1.5	1.5	1.5	1.5
Fan Diameter Inches		22	22	22	22	22	22
Fan Motor	Rated HP	1/15	1/15	1/4	1/4	1/4	1/4
	Nominal RPM	850	850	850	850	850	850
	Nominal CFM	2,100	2,100	3,400	3,400	3,400	3,450
Coil	Face Area Sq. Ft.	14.86	14.86	14.86	17.15	20.58	20.58
	Rows Deep	1	1	1	1	1	2
	Fins / Inch	22	22	22	22	22	18
Liquid Line OD		3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line OD		3/4	3/4	7/8	7/8	7/8	1-1/8
Unit Charge (Lbs. - Oz.) ³		5-11	5-11	5-15	7-8	7-4	12-14
Charge Per Foot, Oz.		0.68	0.68	0.70	0.70	0.70	0.76
Operating Weight Lbs.		180	185	190	210	210	260

- 1 Rated in accordance with ARI Standard 110, utilization range "A".
- 2 Dual element fuses or HACR circuit breaker.
- 3 The Unit Charge is correct for the outdoor unit, matched indoor coil and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.

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

DIMENSIONS



UNIT MODEL	DIMENSIONS (INCHES)			REFRIGERANT CONNECTION LINE SIZE	
	A	B	C	Liquid	Vapor
024	29-1/2	37	31	3/8"	3/4"
030	29-1/2	37	31		
036	29-1/2	37	31		
042	33-1/2	37	31		7/8"
048	39-1/2	37	31		
060	39-1/2	37	31		

* Expander fitting required for 1-1/8" line set.

Additional R-22 Charge / TXV Size for Various Matched Systems

Outdoor Unit	CMA02411	CMA03011	CMA03611	CMA04211	CMA04811	CMA06011
Unit Orifice (s)	59	67	73,75	81	87	99
Approved System Thermal Expansion Valve ^{1,2}	1TV0702	1TV0702	1TV0702	1TV0702	1TV0703	1TV0703
Factory R-22 Charge, lbs-oz	5-11	5-11	5-15	7-8	7-4	12-14
Indoor Coil ³	Coil Orifice ⁴	Orifice - Additional Charge, Oz				
G2FD024(S,H)14,17	61	59+2	-	-	-	-
G2FD030(S,H)17	65	59+4	67+0	-	-	-
G2FD035(S,H)14	65	59+4	67+0	-	-	-
G2FD036(S,H)17(T)	65 / (702)	-	67+4	73+2	-	-
G2FD036(S,H)21(T)	75 / (702)	-	67+6	73+4	-	-
G2FD042(S,H)21(T)	78 / (702)	-	67+9	73+7	-	-
G2FD046(S,H)17	78	-	67+9	75+7	81+0	-
G2FD048(S,H)21,24	84	-	-	75+16	81+8	87+7
G2FD048(S,H)21,24T	703	-	-	-	-	87
G2FD060(S,H)24	90	-	-	-	81+13	87+10
G2FD060(S,H)24T	703	-	-	-	-	87
G2FD061H24	90	-	-	-	-	87+16
G1HA024H14	61	59+2	-	-	-	-
G1HA036H14(T)	75 / (702)	-	67+6	73+4	-	-
G1HA036H17(T)	78 / (702)	-	67+9	73+7	-	-
G1HA048H21	84	-	-	-	81+6	87+4
G1HA048H21T	703	-	-	-	-	87
G1HA060H24(T)	90 / (703)	-	-	-	-	87+10
G1HD024	59	59+2	-	-	-	-
G1HD036	69	-	67+6	75+3	-	-
G1HD048	81	-	-	75+9	81+2	87+0
G1HD060	93	-	-	-	-	87+4
G1NA030S17K	63	59+4	-	-	-	-
G1NA036S17J	67	-	67+2	73+0	-	-
G1NA036S21C	67	-	67+2	73+0	-	-
G1NA042S24W	84	-	-	75+22	81+15	-
G2NA048S21D	78	-	-	75+7	81+0	-
G1NA060S24T	87	-	-	-	-	87+5
G1FA/G1UA024S14,17	59	59+0	-	-	-	-
G1FA/G1UA030S14(T)	65 / (702)	59+2	-	-	-	-
G1FA/G1UA036S14(T)	73 / (702)	-	67+2	-	-	-
G1FA/G1UA036S17,21(T)	73 / (702)	59+4	67+0	-	-	-
G1FA/G1UA048S17	84	-	67+9	75+7	81+0	-
G1FA/G1UA048S21	84	-	-	75+13	81+6	87+4
G1FA/G1UA048S21T	703	-	-	-	-	87
G1FA/G1UA060S21,24(T)	90 / (703)	-	-	-	81+13	87+10
F2RC/F2FC036	75	59+4	67+0	-	-	-
F2RP/F2FP024 / F3RP024	61 / (701)	59+2	-	-	-	-
F2RP/F2FP030 / F3RP030	65 / (701)	59+4	-	73+4	-	-
F2RP/F2FP036 / F3RP036	75 / (702)	-	67+6	73+7	-	-
F2FP040 / F3FP040	63 / (702)	-	67+9	73+7	-	-
F2RP/F2FP042 / F3RP042	78 / (702)	-	67+9	75+7	-	-
F2FP045 / F3FP045	78 / (702)	-	-	-	81+13	87+10
F2FP048 / F3FP048	84 / (703)	-	-	-	81+8	87+6
F2FP060 / F3FP060	90 / (703)	-	-	-	-	87+10
F2FV060 / F3FV060	90 / (703)	-	-	-	-	87+10

FOOTNOTES:

- 1 Only the TXV kits listed above are approved for use in these systems. The charge adder is the same as that listed for the orifice.
- 2 Models with reciprocating compressors require start kits when matched to TXV motor coils.
- 3 Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.
- 4 These orifices or TXVs are factory mounted in the flow device of each indoor coil (701, 702, 703 indicates 1TV07...series). A "T" suffix indicates a coil or air handler with a factory mounted TXV.

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator, and 15 feet of interconnecting line tubing.
2. Verify the orifice or TXV and the additional charge required for specific evaporator coil in the system using the above table.
3. Add charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified on the previous page.
4. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + adder for evaporator + adder for line set.

COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER			COIL ¹ MODEL	COOLING					
	MODEL	ELECTRIC ² HEAT KW	W		RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ³	EER
1 PH 12 SEER AC WITH N1AH / G2FD										
CMA02411	N1AHB08	2,5,8,10	17	G2FD024(S,H)17(T)	800	24.4	17.4	12.00	12.00	11.75
	N1AHB08	2,5,8,10	17	G2FD030(S,H)17(T)	800	24.8	17.8	12.00	12.00	11.95
	N1AHB12	2,5,8,10	17	G2FD024(S,H)17(T)	800	24.4	17.4	12.00	12.00	11.75
	N1AHB12	2,5,8,10	17	G2FD030(S,H)17(T)	800	24.8	17.8	12.00	12.00	11.95
CMA03011	N1AHB12	2,5,8,10	17	G2FD030(S,H)17(T)	1000	28.6	20.4	12.00	12.00	11.00
	N1AHB12	2,5,8,10	17	G2FD036(S,H)17(T)	1000	29.0	21.2	12.00	12.00	11.00
	N1AHC16	2,5,8,10	21	G2FD036(S,H)21(T)	1000	29.2	21.2	12.00	12.00	11.00
	N1AHC16	2,5,8,10	21	G2FD042(S,H)21(T)	1000	29.4	21.4	12.00	12.00	11.00
CMA03611	N1AHB12	2,5,8,10	17	G2FD036(S,H)17(T)	1200	34.6	24.0	12.00	12.00	10.80
	N1AHB12	2,5,8,10	17	G2FD046(S,H)17(T)	1200	35.2	24.8	12.00	12.00	11.20
	N1AHC16	2,5,8,10	21	G2FD036(S,H)21(T)	1200	35.4	24.4	12.00	12.00	11.10
	N1AHC16	2,5,8,10	21	G2FD042(S,H)21(T)	1200	35.0	24.6	12.00	12.00	11.15
	N1AHC16	2,5,8,10	21	G2FD048(S,H)21(T)	1200	35.6	25.4	12.00	12.00	11.40
	N1AHD20	2,5,8,10	24	G2FD048(S,H)24(T)	1200	35.6	25.4	12.00	12.00	11.40
CMA04211	N1AHB12	2,5,8,10	17	G2FD046(S,H)17(T)	1400	41.0	28.2	12.00	12.00	10.80
	N1AHC16	2,5,8,10	21	G2FD048(S,H)21(T)	1400	41.5	29.0	12.00	12.00	11.00
	N1AHD20	2,5,8,10	24	G2FD048(S,H)24(T)	1400	41.5	29.0	12.00	12.00	11.00
	N1AHD20	2,5,8,10	24	G2FD060(S,H)24(T)	1400	42.0	29.6	12.00	12.00	11.15
CMA04811	N1AHC16	2,5,8,10	21	G2FD048(S,H)21(T)	1600	46.5	33.8	12.00	12.00	10.75
	N1AHD20	2,5,8,10	24	G2FD048(S,H)24(T)	1600	46.5	33.8	12.00	12.00	10.75
	N1AHD20	2,5,8,10	24	G2FD060(S,H)24(T)	1600	47.0	34.2	12.00	12.00	10.90
	N1AHD20	2,5,8,10	24	G2FD061H24	1600	47.5	34.8	12.00	12.00	11.00
CMA06011	N1AHD20	2,5,8,10	24	G2FD060(S,H)24(T)	1800	56.5	41.0	12.00	12.00	10.65
	N1AHD20	2,5,8,10	24	G2FD061H24	1800	57.0	41.5	12.00	12.00	10.70
1 PH 12 SEER AC / N1VS - VARIABLE SPEED										
CMA02411	N1VSB12	2,5,8,10	17	G2FD024(S,H)17(T)	825	24.8	17.6	13.00	13.00	12.90
	N1VSB12	2,5,8,10	17	G2FD030(S,H)17(T)	825	25.0	18.0	13.00	13.00	13.15
CMA03011	N1VSB12	2,5,8,10	17	G2FD030(S,H)17(T)	1000	28.8	20.2	13.00	13.00	11.60
	N1VSB12	2,5,8,10	17	G2FD036(S,H)17(T)	1000	29.4	20.6	13.00	13.00	11.75
	N1VSC16	2,5,8,10	21	G2FD036(S,H)21(T)	1075	30.0	21.8	13.00	13.00	11.90
	N1VSC16	2,5,8,10	21	G2FD042(S,H)21(T)	1075	30.0	22.0	13.00	13.00	12.00
CMA03611	N1VSB12	2,5,8,10	17	G2FD030(S,H)17(T)	1200	34.8	23.6	12.50	12.50	11.45
	N1VSB12	2,5,8,10	17	G2FD036(S,H)17(T)	1200	36.0	24.4	13.00	13.00	11.85
	N1VSB12	2,5,8,10	17	G2FD046(S,H)17(T)	1200	35.8	24.2	13.00	13.00	11.95
	N1VSC16	2,5,8,10	21	G2FD036(S,H)21(T)	1200	36.0	24.4	13.00	13.00	12.05
	N1VSC16	2,5,8,10	21	G2FD042(S,H)21(T)	1200	36.2	25.2	13.00	13.00	12.30
	N1VSC16	2,5,8,10	21	G2FD048(S,H)21(T)	1200	36.4	25.3	13.00	13.00	12.30
CMA04211	N1VSC16	2,5,8,10	21	G2FD042(S,H)21(T)	1380	41.0	27.4	12.50	12.50	11.30
	N1VSC16	2,5,8,10	21	G2FD048(S,H)21(T)	1380	42.0	28.4	13.00	13.00	11.70
	N1VSD20	2,5,8,10	24	G2FD048(S,H)24(T)	1350	42.0	28.2	13.00	13.00	11.75
	N1VSD20	2,5,8,10	24	G2FD060(S,H)24(T)	1350	42.5	28.6	13.00	13.00	11.95
CMA04811	N1VSC16	2,5,8,10	21	G2FD048(S,H)21(T)	1590	46.5	33.0	12.50	12.50	11.20
	N1VSD20	2,5,8,10	24	G2FD048(S,H)24(T)	1600	46.5	33.2	12.50	12.50	11.15
	N1VSD20	2,5,8,10	24	G2FD060(S,H)24(T)	1600	47.0	33.4	12.50	12.50	11.30
	N1VSD20	2,5,8,10	24	G2FD061H24	1600	47.5	34.0	12.50	12.50	11.50
CMA06011	N1VSD20	2,5,8,10	24	G2FD060(S,H)24(T)	1780	56.5	40.0	12.20	12.20	10.85
	N1VSD20	2,5,8,10	24	G2FD061H24	1780	57.0	40.5	12.20	12.20	11.00

See Notes on Page 5.

COOLING CAPACITY - With Air Handler Coils (Continued)

UNIT MODEL	AIR HANDLER			COIL ¹ MODEL	COOLING					
	MODEL	ELECTRIC ² HEAT KW	W		RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ³	EER
1 PH 12 SEER AC / F2RP / RC / FP / FC / FV^{4,5}										
CMA02411	F2RC/F2FC036	2,5,8,10	21	-	800	24.6	17.2	12.00	12.00	11.85
	F2RP/F2FP024	2,5,8,10	18	-	800	24.2	16.9	12.00	12.00	11.60
	F2RP/F2FP030	2,5,8,10	18	-	800	24.6	17.2	12.00	12.00	11.85
CMA03011	F2RC/F2FC036	2,5,8,10	21	-	1000	28.2	19.8	12.00	12.00	10.65
	F2RP/F2FP036	2,5,8,10	21	-	1000	29.2	20.4	12.00	12.00	10.90
	F2FP040	2,5,8,10	21	-	1000	29.2	20.6	12.00	12.00	11.00
	F2RP/F2FP042	2,5,8,10	24	-	1000	29.2	20.6	12.00	12.00	11.00
CMA03611	F2RP/F2FP030	2,5,8,10	18	-	1200	34.8	23.6	12.00	12.00	11.00
	F2RP/F2FP036	2,5,8,10	21	-	1200	35.0	23.6	12.00	12.00	11.05
	F2FP040	2,5,8,10	21	-	1200	35.0	23.6	12.00	12.00	11.05
	F2RP/F2FP042	2,5,8,10	24	-	1200	35.0	24.8	12.00	12.00	11.05
CMA04211	F2FP045	2,5,8,10	24	-	1400	42.0	28.6	12.00	12.00	11.10
	F2FP048	2,5,8,10	24	-	1400	41.5	28.0	12.00	12.00	10.85
CMA04811	F2FP045	2,5,8,10	24	-	1600	46.5	33.0	12.00	12.00	10.80
	F2FP048	2,5,8,10	24	-	1600	46.0	32.6	12.00	12.00	10.60
	F2FP060	2,5,8,10	24	-	1600	46.5	32.8	12.00	12.00	10.65
	F2FV060	2,5,8,10	24	-	1600	47.0	33.4	12.50	12.50	11.30
CMA06011	F2FP060	2,5,8,10	24	-	1800	56.0	39.5	12.00	12.00	10.45
	F2FV060	2,5,8,10	24	-	1780	56.5	40.0	12.25	12.25	10.85

Rated in accordance with DOE test procedures (Federal Register 12-27-79 and 3-18-88) and ARI Standards 210.

Cooling MBH based on 80°F entering air temperature, 50% RH, and rated air flow.

EER (Energy Efficiency Ratio) is the total cooling output in BTU's at 95°F outdoor ambient divided by the total electric power in watt-hours at those conditions.

SEER (Seasonal Energy Efficiency Ratio) is the total cooling output in BTU's during a normal annual usage period for cooling divided by the total electric power input in watt-hours during the same period.

- 1 G2FD coils available with a factory installed horizontal drain pan. See price pages for specific model number.
 - 2 Single phase units require single phase 2HK heaters.
 - 3 TXV = Use 1TV700 series kit.
 - 4 To meet R=4.2 insulation requirements, substitute F2FP for F2RP. All ratings remain the same.
 - 5 FG8, FG9, and FL8 furnaces and F2RP air handlers have B.O.D. standard.
- ** Refer to Quick Selection Chart for specific furnace match-up.

COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils

UNIT MODEL	FURNACE**		COIL MODEL	COOLING					
	CFM RANGE (MIN.-MAX.)	W		RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ¹	EER
CMA02411	600 1000	14,17	G1FA024S14,17(T)	800	24.0	17.0	12.00	12.00	11.60
		14	G1FA030S14(T)	800	24.4	17.4	12.00	12.00	11.75
		17,21	G1FA036S17,21(T)	800	24.8	17.8	12.00	12.00	11.95
		14,17	G1UA024S14,17	800	24.0	17.0	12.00	12.00	11.60
		14	G1UA030S14	800	24.4	17.4	12.00	12.00	11.75
		17,21	G1UA036S17,21	800	24.8	17.8	12.00	12.00	11.95
		14,17	G2FD024(S,H)14,17(T)	800	24.4	17.4	12.00	12.00	11.75
		17	G2FD030(S,H)17(T)	800	24.8	17.8	12.00	12.00	11.95
		14	G2FD035(S,H)14(T)	800	24.8	17.8	12.00	12.00	11.95
		17	G1NA030S17K	800	24.8	17.7	12.00	12.00	12.05
		-	G1HD024	800	24.8	17.7	12.00	12.00	11.90
14	G1HA024H14(T)	760	24.2	17.1	12.00	12.00	11.80		
CMA03011	800 1200	14	G1FA036S14(T)	1000	28.8	20.6	12.00	12.00	10.75
		17,21	G1FA036S17,21(T)	1000	28.6	20.4	12.00	12.00	10.75
		17	G1FA048S17(T)	1000	29.4	21.4	12.00	12.00	11.00
		14	G1UA036S14	1000	28.8	20.6	12.00	12.00	10.75
		17,21	G1UA036S17,21	1000	28.6	20.4	12.00	12.00	10.60
		17	G1UA048S17	1000	29.4	21.4	12.00	12.00	11.00
		17	G2FD030(S,H)17(T)	1000	28.6	20.4	12.00	12.00	10.60
		14	G2FD035(S,H)14(T)	1000	28.6	20.4	12.00	12.00	10.60
		17	G2FD036(S,H)17(T)	1000	29.0	20.8	12.00	12.00	10.85
		21	G2FD036(S,H)21(T)	1000	29.2	21.2	12.00	12.00	11.00
		21	G2FD042(S,H)21(T)	1000	29.2	21.2	12.00	12.00	11.00
		17	G2FD046(S,H)17(T)	1000	29.4	21.4	12.00	12.00	11.00
		17	G1NA036S17J	1000	29.0	20.4	12.00	12.00	10.85
		21	G1NA036S21C	1000	29.0	20.4	12.00	12.00	10.85
		-	G1HD036	1000	29.2	21.0	12.00	12.00	10.90
		14	G1HA036H14(T)	950	28.8	20.6	12.00	12.00	11.00
17	G1HA036H17(T)	950	29.0	20.6	12.00	12.00	11.00		
CMA03611	1000 1400	17	G1FA048S17(T)	1200	35.2	24.8	12.00	12.00	11.20
		21	G1FA048S21(T)	1200	35.4	25.0	12.00	12.00	11.30
		17	G1UA048S17	1200	35.2	25.4	12.00	12.00	11.00
		21	G1UA048S21	1200	35.4	25.8	12.00	12.00	11.10
		17	G2FD036(S,H)17(T)	1200	34.6	24.0	12.00	12.00	10.80
		21	G2FD036(S,H)21(T)	1200	34.8	24.4	12.00	12.00	11.10
		21	G2FD042(S,H)21(T)	1200	35.0	24.6	12.00	12.00	11.15
		17	G2FD046(S,H)17(T)	1200	35.2	24.8	12.00	12.00	11.20
		21,24	G2FD048(S,H)21,24(T)	1200	35.6	25.4	12.00	12.00	11.40
		17	G1NA036S17J	1200	34.8	23.4	12.00	12.00	10.90
		17	G1NA036S21C	1200	34.8	23.4	12.00	12.00	10.90
		21	G1NA042S24W	1200	35.8	25.4	12.00	12.00	11.45
		24	G1NA048S21D	1200	35.6	24.2	12.00	12.00	11.20
		-	G1HD036	1200	34.8	24.0	12.00	12.00	11.00
		-	G1HD048	1200	35.6	25.0	12.00	12.00	11.30
		14	G1HA036H14(T)	1140	35.0	23.8	12.00	12.00	11.10
17	G1HA036H17(T)	1140	35.2	24.0	12.00	12.00	11.15		
CMA04211	1200 1600	17	G1FA048S17(T)	1400	41.0	28.2	12.00	12.00	10.80
		21	G1FA048S21(T)	1400	41.5	28.6	12.00	12.00	10.80
		21,24	G1FA060S21,24(T)	1400	42.0	29.6	12.00	12.00	11.15
		17	G1UA048S17	1400	41.0	28.2	12.00	12.00	10.80
		21	G1UA048S21	1400	41.5	28.6	12.00	12.00	10.80
		21,24	G1UA060S21,24	1400	42.0	29.6	12.00	12.00	11.15
		17	G2FD046(S,H)17(T)	1400	41.0	28.2	12.00	12.00	10.80
		21,24	G2FD048(S,H)21,24(T)	1400	41.5	29.0	12.00	12.00	11.00
		24	G2FD060(S,H)24(T)	1400	42.0	29.6	12.00	12.00	11.15
		24	G1NA042S24W	1400	41.5	29.2	12.00	12.00	11.05
		21	G1NA048S21D	1400	41.0	27.6	12.00	12.00	10.85
		-	G1HD048	1400	41.0	28.6	12.00	12.00	10.90
21	G1HA048H21(T)	1329	41.0	27.8	12.00	12.00	11.00		

COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils (Continued)

UNIT MODEL	FURNACE**		COIL MODEL	COOLING					
	CFM RANGE (MIN.-MAX.)	W		RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ¹	EER
CMA04811	1400 1800	21	G1FA048S21(T)	1600	45.5	33.0	12.00	12.00	10.60
		21,24	G1FA060S21,24(T)	1600	47.0	34.2	12.00	12.00	10.90
		21	G1UA048S21	1600	45.5	33.0	12.00	12.00	10.60
		21,24	G1UA060S21,24	1600	47.0	34.2	12.00	12.00	10.90
		21,24	G2FD048(S,H)21,24(T)	1600	46.5	33.8	12.00	12.00	10.75
		24	G2FD060(S,H)24(T)	1600	47.0	34.2	12.00	12.00	10.90
		24	G2FD061H24	1600	47.5	34.8	12.00	12.00	11.00
		24	G1NA060S24T	1600	46.5	33.4	12.00	12.00	10.80
		-	G1HD048	1600	45.5	33.0	12.00	12.00	10.60
		-	G1HD060	1600	46.0	33.2	12.00	12.00	10.70
		21	G1HA048H21(T)	1520	45.5	32.4	12.00	12.00	10.65
		24	G1HA060H24(T)	1520	47.0	33.4	12.00	12.00	10.90
CMA06011	1600 2000	21,24	G1FA060S21,24(T)	1800	56.5	41.0	12.00	12.00	10.65
		21,24	G1UA060S21,24	1800	56.5	0.0	12.00	12.00	10.65
		24	G2FD060(S,H)24(T)	1800	56.5	40.5	12.00	12.00	10.65
		24	G2FD061H24	1800	57.0	41.5	12.00	12.00	10.70
		24	G1NA060S24T	1800	55.5	39.5	12.00	12.00	10.50
		-	G1HD060	1800	55.5	40.0	12.00	12.00	10.45
		24	G1HA060H24(T)	1710	56.0	40.0	12.00	12.00	10.65

1 TXV = Use 1TV700 series kit.

** Refer to Quick Selection Chart for specific furnace match-up.

ACCESSORIES*

Hard Start Kit (024-31994-000, 024-31995-000) - Provides increased starting torque for areas with low voltage.

TXV Kits - 1TV07 series thermal expansion valves precisely meter refrigerant for optimum performance

Low Ambient Pressure Switch Kit (2LA06700224)- Allows use of air conditioning at low outdoor ambient temperatures. For use with models containing R-22 refrigerant only.

Dehumidistat (2HU16700124) - Provides increased dehumidification when matched with variable speed furnace or air handler.

Room Thermostats - A wide selection of compatible thermostats are available to provide optimum performance and features for any installation.

1 Heat Stage only, manual, mechanical thermostat. Add sub-base for 1H/1C.

1H/1C, manual change-over electronic non-programmable thermostat.

1H/1C, auto/manual changeover, electronic programmable, deluxe 7-day, thermostat.

1H/1C, auto/manual changeover, electronic programmable.

* For the most current accessory information, refer to the price book or consult factory.

SOUND RATINGS*

UNIT MODEL	SOUND RATINGS DECIBELS*
024	69
030	73
036	74
042	76
048	76
060	74

COLOR GRILLES

CHOICE OF SEVERAL COLOR COIL GRILLES TO COMPLEMENT ANY HOME.		
Color Grill	Color Description	Models
1CP0126	Terra Cotta	024, 030, 036
1CP0130	Terra Cotta	042
1CP0136	Terra Cotta	048, 060
1CP0226	Jet Black	024, 030, 036
1CP0230	Jet Black	042
1CP0236	Jet Black	048, 060
1CP0326	Stone	024, 030, 036
1CP0330	Stone	042
1CP0336	Stone	048, 060
1CP0426	Bermuda	024, 030, 036
1CP0430	Bermuda	042
1CP0436	Bermuda	048, 060
1CP0526	Gunmetal	024, 030, 036
1CP0530	Gunmetal	042
1CP0536	Gunmetal	048, 060
1CP0626	Chocolate	024, 030, 036
1CP0630	Chocolate	042
1CP0636	Chocolate	048, 060

COOLING CAPACITY - With Variable Speed Furnaces

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL ¹	W	COOLING					
				RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ²	EER
1 PH 13 SEER AC / P1DU / P1XD / P1XU - VARIABLE SPEED³									
CMA02411	G1FA/G1UA024S14(T)	P1DUA12V	14	750	24.0	16.7	12.50	12.50	12.50
	G1FA/G1UA024S17(T)	P1XUB12V	17	800	24.2	17.2	12.50	12.50	12.50
	G1FA/G1UA030S14(T)	P1DUA12V	14	750	24.6	17.1	13.00	13.00	12.85
	G1FA/G1UA036S17(T)	P1DUB16V	17	750	25.0	17.5	13.00	13.00	13.05
	G1FA/G1UA036S17(T)	P1XUB12V	17	820	25.0	18.2	13.00	13.00	13.00
	G1FA/G1UA036S21(T)	P1DUC20V	21	800	25.0	18.0	13.00	13.00	12.95
	G1FA/G1UA036S21(T)	P1XUC16V	21	720	24.8	17.2	13.00	13.00	13.10
	G1FA/G1UA036S21(T)	P1XUC20V	21	800	25.0	18.0	13.00	13.00	12.85
	G2FD024(S,H)17(T)	P1XDB12V	17	815	25.0	18.1	13.00	13.00	12.90
	G2FD024(S,H)17(T)	P1XUB12V	17	820	24.8	17.8	13.00	13.00	12.80
G2FD030(S,H)17(T)	P1XDB12V	17	830	25.0	18.3	13.00	13.00	13.05	
G2FD030(S,H)17(T)	P1XUB12V	17	820	25.0	18.2	13.00	13.00	13.00	
CMA03011	G1FA/G1UA036S14(T)	P1DUA12V	14	975	29.0	20.6	13.00	13.00	11.50
	G1FA/G1UA036S17(T)	P1DUB16V	17	1050	29.2	21.2	13.00	13.00	11.65
	G1FA/G1UA036S17(T)	P1XUB12V	17	1020	29.0	20.8	12.50	12.50	11.45
	G1FA/G1UA036S21(T)	P1DUC20V	21	1000	29.0	20.6	12.50	12.50	11.50
	G1FA/G1UA036S21(T)	P1XUC16V	21	1000	29.0	20.6	13.00	13.00	11.60
	G1FA/G1UA036S21(T)	P1XUC20V	21	1000	29.2	21.4	12.50	12.50	11.60
	G1FA/G1UA048S17(T)	P1DUB16V	17	1050	30.0	22.2	13.00	13.00	12.05
	G1FA/G1UA048S17(T)	P1XUB12V	17	1020	30.0	21.8	13.00	13.00	11.70
	G2FD030(S,H)17(T)	P1XDB12V	17	1050	29.0	21.0	12.25	12.25	11.20
	G2FD030(S,H)17(T)	P1XUB12V	17	1020	29.0	20.8	12.50	12.50	11.45
	G2FD036(S,H)17(T)	P1DUB16V	17	1050	29.6	21.6	13.00	13.00	11.80
	G2FD036(S,H)17(T)	P1XDB12V	17	1050	29.6	21.6	12.50	12.50	11.40
	G2FD036(S,H)17(T)	P1XUB12V	17	1020	29.4	21.2	13.00	13.00	11.60
	G2FD036(S,H)21(T)	P1DUC20V	21	1000	29.8	21.4	13.00	13.00	11.80
	G2FD036(S,H)21(T)	P1XDC20V	21	1080	30.0	22.2	13.00	13.00	11.60
	G2FD036(S,H)21(T)	P1XUC16V	21	1000	30.0	21.4	13.00	13.00	11.95
	G2FD036(S,H)21(T)	P1XUC20V	21	1080	30.0	22.2	13.00	13.00	11.80
	G2FD042(S,H)21(T)	P1DUC20V	21	1000	30.0	21.4	13.00	13.00	11.90
	G2FD042(S,H)21(T)	P1XDC20V	21	1080	30.0	22.2	13.00	13.00	11.65
	G2FD042(S,H)21(T)	P1XUC16V	21	1000	30.0	21.4	13.00	13.00	12.05
G2FD042(S,H)21(T)	P1XUC20V	21	1080	30.0	22.4	13.00	13.00	11.95	
G2FD046(S,H)17(T)	P1DUB16V	17	1050	30.0	22.2	13.00	13.00	12.05	
G2FD046(S,H)17(T)	P1XDB12V	17	1050	29.6	21.6	12.50	12.50	11.45	
G2FD046(S,H)17(T)	P1XUB12V	17	1020	30.0	21.8	13.00	13.00	11.70	
CMA03611	G1FA/G1UA048S17(T)	P1DUB16V	17	1200	36.0	25.0	13.00	13.00	11.95
	G1FA/G1UA048S17(T)	P1XUB12V	17	1200	36.0	24.8	12.50	12.50	11.60
	G1FA/G1UA048S21(T)	P1DUC20V	21	1200	36.0	25.2	13.00	13.00	12.25
	G1FA/G1UA048S21(T)	P1XUC16V	21	1200	36.0	25.2	13.00	13.00	12.10
	G1FA/G1UA048S21(T)	P1XUC20V	21	1200	36.0	25.2	13.00	13.00	12.20
	G2FD036(S,H)17(T)	P1DUB16V	17	1200	35.2	24.0	12.50	12.50	11.60
	G2FD036(S,H)17(T)	P1XDB12V	17	1130	34.6	23.4	12.25	12.25	11.30
	G2FD036(S,H)17(T)	P1XUB12V	17	1200	35.0	24.0	12.25	12.25	11.25
	G2FD036(S,H)21(T)	P1DUC20V	21	1200	36.0	24.6	13.00	13.00	11.90
	G2FD036(S,H)21(T)	P1XDC20V	21	1225	35.8	24.8	12.50	12.50	11.60
	G2FD036(S,H)21(T)	P1XUC16V	21	1200	35.8	24.6	12.50	12.50	11.75
	G2FD036(S,H)21(T)	P1XUC20V	21	1200	35.8	24.6	13.00	13.00	11.85
	G2FD042(S,H)21(T)	P1DUC20V	21	1200	36.0	24.8	13.00	13.00	12.00
	G2FD042(S,H)21(T)	P1XDC20V	21	1225	36.0	25.0	12.50	12.50	11.65
	G2FD042(S,H)21(T)	P1XUC16V	21	1200	36.0	24.8	13.00	13.00	11.85
	G2FD042(S,H)21(T)	P1XUC20V	21	1200	36.0	24.8	13.00	13.00	11.95
	G2FD046(S,H)17(T)	P1DUB16V	17	1200	36.0	25.0	13.00	13.00	11.95
	G2FD046(S,H)17(T)	P1XDB12V	17	1130	34.6	23.4	12.50	12.50	11.30
	G2FD046(S,H)17(T)	P1XUB12V	17	1200	36.0	24.8	12.50	12.50	11.60
	G2FD048(S,H)21(T)	P1DUC20V	21	1200	36.2	25.6	13.00	13.00	12.35
	G2FD048(S,H)21(T)	P1XDC20V	21	1225	36.2	25.8	13.00	13.00	11.95
	G2FD048(S,H)21(T)	P1XUC16V	21	1200	36.2	25.6	13.00	13.00	12.20
	G2FD048(S,H)21(T)	P1XUC20V	21	1200	36.2	25.6	13.00	13.00	12.30
	G2FD048(S,H)24(T)	P1XDD20V	24	1195	36.4	25.6	13.00	13.00	12.15
G2FD048(S,H)24(T)	P1XUD20V	24	1260	36.4	26.2	13.00	13.00	12.05	

COOLING CAPACITY - With Variable Speed Furnaces

UNIT MODEL	VARIABLE SPEED FURNACE MODEL	COIL MODEL ¹	W	COOLING					
				RATED CFM	TOTAL CAPACITY	SENSIBLE CAPACITY	SEER	SEER + TXV ²	EER
CMA04211	G1FA/G1UA048S17(T)	P1DUB16V	17	1400	41.0	28.4	12.50	12.50	11.25
	G1FA/G1UA048S17(T)	P1XUB12V	17	1350	40.5	27.8	12.10	12.10	11.00
	G1FA/G1UA048S21(T)	P1DUC20V	21	1400	41.5	28.6	12.50	12.50	11.40
	G1FA/G1UA048S21(T)	P1XUC16V	21	1400	41.5	28.6	12.50	12.50	11.40
	G1FA/G1UA048S21(T)	P1XUC20V	21	1410	41.5	28.8	12.50	12.50	11.35
	G1FA/G1UA06024(T)	P1XUD20V	24	1430	42.5	30.0	12.50	12.50	11.55
	G1FA/G1UA060S21(T)	P1DUC20V	21	1460	42.5	30.4	13.00	13.00	11.70
	G1FA/G1UA060S21(T)	P1XUC16V	21	1400	42.5	29.8	13.00	13.00	11.70
	G1FA/G1UA060S21(T)	P1XUC20V	21	1410	42.5	29.8	13.00	13.00	11.70
	G2FD042(S,H)21(T)	P1DUC20V	21	1400	41.0	28.2	12.25	12.25	11.20
	G2FD042(S,H)21(T)	P1XDC20V	21	1410	40.5	28.2	12.10	12.10	10.85
	G2FD042(S,H)21(T)	P1XUC16V	21	1400	41.0	28.2	12.50	12.50	11.15
	G2FD042(S,H)21(T)	P1XUC20V	21	1410	41.0	28.2	12.25	12.25	11.10
	G2FD046(S,H)17(T)	P1DUB16V	17	1400	41.0	28.4	12.50	12.50	11.25
	G2FD046(S,H)17(T)	P1XDB12V	17	1400	41.0	28.2	12.05	12.05	10.80
	G2FD046(S,H)17(T)	P1XUB12V	17	1350	40.5	27.8	12.10	12.10	11.00
	G2FD048(S,H)21(T)	P1DUC20V	21	1400	42.0	29.2	12.50	12.50	11.50
	G2FD048(S,H)21(T)	P1XDC20V	21	1410	42.0	29.2	12.50	12.50	11.15
	G2FD048(S,H)21(T)	P1XUC16V	21	1400	42.0	29.2	12.50	12.50	11.45
	G2FD048(S,H)21(T)	P1XUC20V	21	1410	42.0	29.2	12.50	12.50	11.45
	G2FD048(S,H)24(T)	P1XDD20V	24	1365	42.0	28.8	12.50	12.50	11.55
	G2FD048(S,H)24(T)	P1XUD20V	24	1430	42.0	29.4	12.25	12.25	11.35
	G2FD060(S,H)24(T)	P1DUC20V	24	1460	42.5	30.4	13.00	13.00	11.70
	G2FD060(S,H)24(T)	P1XDC20V	24	1410	42.5	29.8	12.50	12.50	11.40
G2FD060(S,H)24(T)	P1XDD20V	24	1420	42.5	30.0	12.50	12.50	11.55	
G2FD060(S,H)24(T)	P1XUC16V	24	1400	42.5	29.8	13.00	13.00	11.70	
G2FD060(S,H)24(T)	P1XUC20V	24	1410	42.5	29.8	13.00	13.00	11.70	
G2FD060(S,H)24(T)	P1XUD20V	24	1430	42.5	30.0	12.50	12.50	11.55	
CMA04811	G1FA/G1UA048S21(T)	P1DUC20V	21	1610	46.0	33.2	12.20	12.20	10.80
	G1FA/G1UA048S21(T)	P1XUC16V	21	1480	45.5	32.2	12.20	12.20	10.75
	G1FA/G1UA048S21(T)	P1XUC20V	21	1590	45.5	33.0	12.20	12.20	10.80
	G1FA/G1UA06024(T)	P1XUD20V	24	1620	47.0	34.4	12.20	12.20	11.05
	G1FA/G1UA060S21(T)	P1DUC20V	21	1610	47.0	34.4	12.50	12.50	11.10
	G1FA/G1UA060S21	P1XUC16V	21	1600	47.0	34.2	12.20	12.20	10.90
	G1FA/G1UA060S21	P1XUC20V	21	1590	47.0	34.2	12.20	12.20	11.05
	G2FD048(S,H)21(T)	P1DUC20V	21	1610	46.5	34.0	12.20	12.20	11.00
	G2FD048(S,H)21(T)	P1XDC20V	21	1450	46.0	32.6	12.20	12.20	11.00
	G2FD048(S,H)21(T)	P1XUC16V	21	1480	46.0	32.8	12.20	12.20	10.90
	G2FD048(S,H)21(T)	P1XUC20V	21	1590	46.5	33.8	12.20	12.20	11.00
	G2FD048(S,H)24(T)	P1XDD20V	24	1610	46.5	34.0	12.20	12.20	10.85
	G2FD048(S,H)24(T)	P1XUD20V	24	1620	46.5	34.0	12.20	12.20	10.85
	G2FD060(S,H)24(T)	P1DUC20V	24	1610	47.0	34.4	12.50	12.50	11.10
	G2FD060(S,H)24(T)	P1XDC20V	24	1590	47.0	34.2	12.20	12.20	11.00
	G2FD060(S,H)24(T)	P1XDD20V	24	1610	47.0	34.4	12.20	12.20	11.00
	G2FD060(S,H)24(T)	P1XUC16V	24	1600	47.0	34.2	12.20	12.20	10.90
	G2FD060(S,H)24(T)	P1XUC20V	24	1590	47.0	34.2	12.20	12.20	11.05
	G2FD060(S,H)24(T)	P1XUD20V	24	1620	47.0	34.4	12.20	12.20	11.05
	G2FD061H24	P1DUC20V	24	1610	47.5	35.0	12.50	12.50	11.20
	G2FD061H24	P1XDC20V	24	1590	47.5	34.8	12.20	12.20	11.15
	G2FD061H24	P1XDD20V	24	1610	47.5	35.0	12.20	12.20	11.10
	G2FD061H24	P1XUC16V	24	1600	47.5	34.8	12.20	12.20	11.00
	G2FD061H24	P1XUC20V	24	1590	47.5	34.8	12.20	12.20	11.10
G2FD061H24	P1XUD20V	24	1620	48.0	35.0	12.50	12.50	11.25	
CMA06011	G1FA/G1UA06024(T)	P1XUD20V	24	1620	56.0	39.0	12.20	12.20	10.85
	G1FA/G1UA060S21(T)	P1DUC20V	21	1730	56.5	40.5	12.20	12.20	10.75
	G1FA/G1UA060S21(T)	P1XUC20V	21	1640	55.5	38.5	12.20	12.20	10.75
	G2FD060(S,H)24(T)	P1DUC20V	24	1730	56.5	40.5	12.20	12.20	10.75
	G2FD060(S,H)24(T)	P1XDC20V	24	1590	55.5	38.5	12.20	12.20	10.75
	G2FD060(S,H)24(T)	P1XDD20V	24	1610	56.0	39.0	12.20	12.20	10.75
	G2FD060(S,H)24(T)	P1XUC20V	24	1640	55.5	38.5	12.20	12.20	10.75
	G2FD060(S,H)24(T)	P1XUD20V	24	1620	56.0	39.0	12.20	12.20	10.85
	G2FD061H24	P1DUC20V	24	1730	57.0	40.5	12.20	12.20	10.85
	G2FD061H24	P1XDC20V	24	1590	56.0	39.0	12.20	12.20	10.80
	G2FD061H24	P1XDD20V	24	1610	56.5	39.0	12.20	12.20	10.85
	G2FD061H24	P1XUC20V	24	1590	56.0	39.0	12.20	12.20	10.80
G2FD061H24	P1XUD20V	24	1620	56.5	39.5	12.20	12.20	11.00	

1 G2FD coils available with a factory installed horizontal drain pan. See price pages for specific model number.

2 TXV = Use 1TV700 Series Kit.

3 Variable speed furnaces have B.O.D (Blower on Delay) standard.

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA02411														
INDOOR COIL MODEL NO.		G1UA/G1FA024S14,17(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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.	23.0	25.3	24.7	25.5	26.5	23.5	24.8	24.7	25.1	25.7	24.1	24.4	24.7	24.7	25.0
	S.C.	22.1	19.1	16.0	15.1	12.5	22.7	19.9	16.6	15.0	11.5	23.3	20.8	17.2	14.9	10.5
	K.W.	1.6	1.6	1.6	1.6	1.8	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
75	T.C.	21.5	23.3	23.1	24.7	26.3	22.6	23.7	23.5	24.8	25.9	23.7	24.0	23.9	24.8	25.5
	S.C.	20.8	18.4	15.4	15.0	12.4	21.9	19.9	16.6	15.7	12.4	23.1	21.4	17.8	16.3	12.5
	K.W.	1.7	1.7	1.7	1.7	1.9	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7
85	T.C.	20.0	21.3	21.5	23.8	26.2	21.7	22.5	22.3	24.4	26.1	23.3	23.6	23.0	24.9	26.0
	S.C.	19.4	17.6	14.8	14.9	12.3	21.1	19.8	16.6	16.3	13.4	22.8	22.0	18.5	17.7	14.4
	K.W.	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9
95	T.C.	18.5	19.4	19.8	23.0	26.0	20.7	21.3	21.0	24.0	26.2	22.9	23.3	22.2	25.0	26.4
	S.C.	18.1	16.8	14.1	14.8	12.3	20.3	19.7	16.6	17.0	14.3	22.6	22.6	19.2	19.2	16.4
	K.W.	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.1	2.1
105	T.C.	16.5	17.5	17.6	20.6	24.0	18.7	19.4	18.7	21.7	24.4	20.9	21.3	19.9	22.7	24.8
	S.C.	16.3	15.9	13.2	13.9	11.5	18.5	18.3	15.4	16.1	13.4	20.7	20.7	17.6	18.4	15.2
	K.W.	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3
115	T.C.	14.6	15.8	15.3	18.3	22.0	16.8	17.6	16.5	19.4	22.6	19.0	19.4	17.6	20.5	23.2
	S.C.	14.5	14.9	12.3	13.0	10.8	16.7	16.9	14.2	15.3	12.4	18.8	19.0	16.2	17.6	14.1
	K.W.	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.4
125	T.C.	12.7	14.0	13.1	16.0	20.0	14.8	15.7	14.2	17.1	20.8	17.0	17.4	15.4	18.3	21.6
	S.C.	12.7	14.0	11.4	12.1	10.0	14.8	15.6	13.0	14.4	11.5	17.0	17.2	14.7	16.8	13.0
	K.W.	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.4	2.5	2.6	2.5	2.5	2.5	2.5	2.6

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

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.

Air Handler	Coil	T.C.	S.C.	KW
F2RC/F2FC036		1.03	1.01	1.00
F2RP/F2FP024		1.01	0.99	1.01
F2RP/F2FP030		1.03	1.01	1.00
N1AHB08	G2FD024(S,H)17(T)	1.02	1.02	1.00
N1AHB08	G2FD030(S,H)17(T)	1.03	1.05	1.00
N1AHB12	G2FD024(S,H)17(T)	1.02	1.02	1.00
N1AHB12	G2FD030(S,H)17(T)	1.03	1.05	1.00
N1VSB12	G2FD024(S,H)17(T)	1.03	1.04	0.93
N1VSB12	G2FD030(S,H)17(T)	1.04	1.06	0.92
	G1UA/G1FA030S14 (T)	1.02	1.02	1.00
	G1UA/G1FA036S17,21 (T)	1.03	1.05	1.00
	G2FD024(S,H)14,17 (T)	1.02	1.02	1.00
	G2FD030(S,H)17 (T)	1.03	1.05	1.00
	G2FD035(S,H)14 (T)	1.03	1.05	1.00
	G1NA030S17K	1.03	1.04	0.99
	G1HD024	1.03	1.04	1.01
	G1HA024H14 (T)	1.01	1.01	0.99

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUA12V	G1UA/G1FA024S14(T)	1.00	0.98	0.93
P1DUA12V	G1UA/G1FA030S14(T)	1.03	1.01	0.93
P1DUA12V	G2FD035(S,H)14(T)	1.03	1.01	0.93
P1DUB16V	G1UA/G1FA036S17(T)	1.04	1.03	0.93
P1DUC20V	G1UA/G1FA036S21(T)	1.04	1.06	0.93
P1XUB12V	G1UA/G1FA024S17(T)	1.01	1.01	0.94
P1XUB12V	G1UA/G1FA036S17(T)	1.04	1.07	0.93
P1XUB12V	G2FD024(S,H)17(T)	1.03	1.05	0.94
P1XUB12V	G2FD030(S,H)17(T)	1.04	1.07	0.93
P1XUC16V	G1UA/G1FA036S21(T)	1.03	1.01	0.92
P1XUC20V	G1UA/G1FA036S21(T)	1.04	1.06	0.94
P1XDB12V	G2FD024(S,H)17(T)	1.04	1.06	0.94
P1XDB12V	G2FD030(S,H)17(T)	1.04	1.08	0.93

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA03011														
INDOOR COIL MODEL NO.		G1UA/G1FA036S17,21(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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.	28.8	31.1	30.1	31.3	31.0	30.3	31.5	30.5	31.4	31.2	31.7	31.9	30.9	31.5	31.3
	S.C.	28.1	24.5	20.4	19.0	14.4	28.6	25.8	21.3	19.5	14.9	29.0	27.0	22.3	20.1	15.4
	K.W.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75	T.C.	27.6	29.1	28.2	30.1	30.6	29.3	29.9	28.8	30.5	30.8	31.1	30.7	29.4	30.8	30.9
	S.C.	26.4	23.7	19.6	18.8	14.4	27.3	25.4	21.0	19.8	15.1	28.3	27.2	22.4	20.9	15.7
	K.W.	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.3	2.3
85	T.C.	26.4	27.2	26.3	28.9	30.2	28.4	28.4	27.1	29.5	30.4	30.4	29.5	27.8	30.1	30.6
	S.C.	24.6	22.9	18.9	18.6	14.4	26.1	25.1	20.7	20.1	15.2	27.6	27.3	22.4	21.7	16.0
	K.W.	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.5	2.5	2.4	2.4	2.4	2.5	2.5
95	T.C.	25.2	25.2	24.4	27.8	29.8	27.5	26.8	25.3	28.6	30.0	29.8	28.3	26.3	29.4	30.3
	S.C.	22.8	22.1	18.1	18.4	14.4	24.8	24.8	20.3	20.4	15.4	26.9	27.4	22.5	22.4	16.4
	K.W.	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.7	2.7	2.6	2.6	2.6	2.7	2.7
105	T.C.	23.4	23.3	21.9	25.4	27.5	25.7	24.9	22.9	26.2	27.9	27.9	26.5	23.9	27.1	28.2
	S.C.	21.1	20.9	17.1	17.6	13.7	23.1	23.1	19.1	19.7	14.8	25.1	25.4	21.2	21.8	16.0
	K.W.	2.8	2.8	2.7	2.8	2.9	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.8	2.9	3.0
115	T.C.	21.8	21.3	19.6	23.0	25.4	23.9	23.0	20.6	23.9	25.8	26.0	24.7	21.5	24.8	26.2
	S.C.	19.5	19.6	16.1	16.8	13.0	21.4	21.5	18.0	19.0	14.3	23.3	23.4	19.9	21.2	15.6
	K.W.	2.9	2.9	2.9	3.0	3.1	3.0	3.0	2.9	3.1	3.2	3.0	3.0	3.0	3.1	3.2
125	T.C.	20.1	19.4	17.2	20.7	23.2	22.1	21.2	18.2	21.6	23.7	24.1	23.0	19.2	22.5	24.2
	S.C.	17.9	18.4	15.1	16.0	12.4	19.7	19.9	16.9	18.3	13.8	21.5	21.4	18.6	20.6	15.2
	K.W.	3.1	3.1	3.1	3.2	3.3	3.2	3.2	3.1	3.3	3.4	3.2	3.3	3.1	3.3	3.4

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

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.

Air Handler	Coil	T.C.	S.C.	KW
F2RC/F2FC036		0.99	0.97	1.00
F2RP/F2FP036		1.02	1.00	1.01
F2FP040		1.02	1.01	1.00
F2RP/F2FP042		1.02	1.01	1.00
N1AHB12	G2FD030(S,H)17(T)	1.00	1.00	0.98
N1AHB12	G2FD036(S,H)17(T)	1.01	1.04	0.99
N1AHC16	G2FD036(S,H)21(T)	1.02	1.04	1.00
N1AHC16	G2FD042(S,H)21(T)	1.03	1.05	1.00
N1VSB12	G2FD030(S,H)17(T)	1.01	0.99	0.93
N1VSB12	G2FD036(S,H)17(T)	1.03	1.01	0.94
N1VSC16	G2FD036(S,H)21(T)	1.05	1.07	0.95
N1VSC16	G2FD042(S,H)21(T)	1.05	1.08	0.94
	G1UA/G1FA036S14(T)	1.01	1.01	1.01
	G1UA/G1FA048S17(T)	1.03	1.05	1.00
	G2FD030(S,H)17(T)	1.00	1.00	1.01
	G2FD035(S,H)14(T)	1.00	1.00	1.01
	G2FD036(S,H)17(T)	1.01	1.02	1.00
	G2FD036(S,H)21(T)	1.02	1.04	1.00
	G2FD042(S,H)21(T)	1.02	1.04	1.00
	G2FD046(S,H)17(T)	1.03	1.05	1.00
	G1NA036S17J	1.01	1.00	1.00
	G1NA036S21C	1.01	1.00	1.00
	G1HD036	1.02	1.03	1.01
	G1HA036H14(T)	1.01	1.01	0.98
	G1HA036H17(T)	1.01	1.01	0.99

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUA12V	G1UA/G1FA036S14(T)	1.01	1.01	0.95
P1DUB16V	G1UA/G1FA036S17(T)	1.02	1.04	0.94
P1DUB16V	G1UA/G1FA048S17(T)	1.05	1.09	0.94
P1DUB16V	G2FD036(S,H)17(T)	1.03	1.06	0.94
P1DUB16V	G2FD046(S,H)17(T)	1.05	1.09	0.94
P1DUC20V	G1UA/G1FA036S21(T)	1.01	1.01	0.95
P1DUC20V	G2FD036(S,H)21(T)	1.04	1.05	0.95
P1DUC20V	G2FD042(S,H)21(T)	1.05	1.05	0.95
P1XUB12V	G1UA/G1FA036S17(T)	1.01	1.02	0.95
P1XUB12V	G1UA/G1FA048S17(T)	1.05	1.07	0.96
P1XUB12V	G2FD030(S,H)17(T)	1.01	1.02	0.95
P1XUB12V	G2FD036(S,H)17(T)	1.03	1.04	0.95
P1XUB12V	G2FD046(S,H)17(T)	1.05	1.07	0.96
P1XUC16V	G1UA/G1FA036S21(T)	1.01	1.01	0.94
P1XUC16V	G2FD036(S,H)21(T)	1.05	1.05	0.94
P1XUC16V	G2FD042(S,H)21(T)	1.05	1.05	0.94
P1XUC20V	G1UA/G1FA036S21(T)	1.02	1.05	0.95
P1XUC20V	G2FD036(S,H)21(T)	1.05	1.09	0.96
P1XUC20V	G2FD042(S,H)21(T)	1.05	1.10	0.94
P1XDB12V	G2FD030(S,H)17(T)	1.01	1.03	0.97
P1XDB12V	G2FD036(S,H)17(T)	1.03	1.06	0.98
P1XDB12V	G2FD046(S,H)17(T)	1.03	1.06	0.97
P1XDC20V	G2FD036(S,H)21(T)	1.05	1.09	0.97
P1XDC20V	G2FD042(S,H)21(T)	1.05	1.09	0.97

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA03611														
INDOOR COIL MODEL NO.		G2FD036S17(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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
65	T.C.	37.0	39.1	38.2	42.1	42.3	37.8	39.1	39.8	41.3	41.3	38.6	39.1	41.4	40.4	40.3
	S.C.	32.6	29.4	25.3	23.9	19.0	33.6	32.2	27.0	24.9	20.2	34.6	35.1	28.6	26.0	21.3
	K.W.	2.5	2.5	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
75	T.C.	34.3	35.8	35.3	39.4	41.5	35.4	36.2	36.6	39.0	40.7	36.6	36.7	37.8	38.7	39.9
	S.C.	30.2	28.1	24.0	23.2	18.6	31.5	30.5	25.7	24.6	19.7	32.8	32.8	27.5	26.1	20.9
	K.W.	2.7	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.7	2.8	2.8
85	T.C.	31.5	32.5	32.5	36.6	40.7	33.0	33.3	33.4	36.8	40.1	34.5	34.2	34.2	37.0	39.5
	S.C.	27.8	26.8	22.7	22.5	18.2	29.4	28.7	24.5	24.3	19.3	30.9	30.6	26.3	26.1	20.4
	K.W.	2.9	2.9	2.9	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.0
95	T.C.	28.8	29.2	29.7	33.8	39.9	30.6	30.4	30.2	34.6	39.5	32.5	31.7	30.6	35.4	39.1
	S.C.	25.5	25.6	21.4	21.8	17.8	27.3	27.0	23.3	24.0	18.9	29.1	28.4	25.2	26.2	20.0
	K.W.	3.1	3.1	3.1	3.2	3.3	3.1	3.1	3.1	3.2	3.3	3.2	3.2	3.1	3.2	3.3
105	T.C.	26.6	26.7	26.4	30.3	35.9	28.1	27.8	26.9	30.8	35.7	29.6	28.9	27.4	31.4	35.5
	S.C.	23.6	23.6	20.1	20.6	16.7	25.0	24.7	21.6	22.6	17.8	26.5	25.9	23.1	24.5	18.9
	K.W.	3.3	3.3	3.3	3.4	3.5	3.4	3.4	3.3	3.4	3.5	3.4	3.4	3.3	3.4	3.5
115	T.C.	24.4	24.4	23.1	26.8	32.1	25.6	25.3	23.7	27.1	32.0	26.8	26.3	24.3	27.5	31.9
	S.C.	21.7	21.7	18.8	19.5	15.6	22.8	22.6	19.9	21.1	16.8	24.0	23.5	21.0	22.8	17.9
	K.W.	3.5	3.5	3.5	3.6	3.7	3.6	3.6	3.5	3.6	3.7	3.6	3.6	3.5	3.6	3.8
125	T.C.	22.2	22.1	19.9	23.3	28.3	23.1	22.8	20.6	23.5	28.3	23.9	23.6	21.2	23.6	28.3
	S.C.	19.9	19.8	17.5	18.3	14.6	20.7	20.4	18.3	19.7	15.7	21.4	21.1	19.0	21.2	16.9
	K.W.	3.7	3.7	3.6	3.8	3.9	3.8	3.8	3.7	3.8	3.9	3.8	3.8	3.7	3.8	4.0

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

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.

Air Handler	Coil	T.C.	S.C.	KW
F2RP/F2FP030		1.01	0.98	0.99
F2RP/F2FP036		1.01	0.98	0.99
F2FP040		1.01	0.98	0.99
F2RP/F2FP042		1.01	1.03	0.99
N1AHB12	G2FD036(S,H)17(T)	1.00	1.00	1.00
N1AHB12	G2FD046(S,H)17(T)	1.02	1.03	0.98
N1AHC16	G2FD036(S,H)21(T)	1.02	1.02	1.00
N1AHC16	G2FD042(S,H)21(T)	1.01	1.03	0.98
N1AHC16	G2FD048(S,H)21(T)	1.03	1.06	0.97
N1AHD20	G2FD048(S,H)24(T)	1.03	1.06	0.97
N1VSB12	G2FD030(S,H)17(T)	1.01	0.98	0.95
N1VSB12	G2FD036(S,H)17(T)	1.04	1.02	0.95
N1VSB12	G2FD046(S,H)17(T)	1.03	1.01	0.94
N1VSC16	G2FD036(S,H)21(T)	1.04	1.02	0.93
N1VSC16	G2FD042(S,H)21(T)	1.05	1.05	0.92
N1VSC16	G2FD048(S,H)21(T)	1.05	1.05	0.92
	G1UA/G1FA048S17(T)	1.02	1.03	0.98
	G1UA/G1FA048S21(T)	1.02	1.04	0.98
	G2FD036(S,H)21(T)	1.01	1.02	0.98
	G2FD042(S,H)21(T)	1.01	1.03	0.98
	G2FD046(S,H)17(T)	1.02	1.03	0.98
	G2FD048(S,H)21,24(T)	1.03	1.06	0.97
	G1NA030S17K	1.01	0.98	1.00
	G1NA036S17J	1.01	0.98	1.00
	G1NA036S21C	1.03	1.06	0.98
	G1NA042S24W	1.03	1.01	0.99
	G1HD036	1.01	1.00	0.99
	G1HD048	1.03	1.04	0.98
	G1HA036H14(T)	1.01	0.99	0.98
	G1HA036H17(T)	1.02	1.00	0.99

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUB16V	G1UA/G1FA048S17(T)	1.04	1.04	0.94
P1DUB16V	G2FD036(S,H)17(T)	1.02	1.00	0.95
P1DUB16V	G2FD046(S,H)17(T)	1.04	1.04	0.94
P1DUC20V	G1UA/G1FA048S21(T)	1.04	1.05	0.92
P1DUC20V	G2FD036(S,H)21(T)	1.04	1.03	0.94
P1DUC20V	G2FD042(S,H)21(T)	1.04	1.03	0.94
P1DUC20V	G2FD048(S,H)21(T)	1.05	1.07	0.91
P1XUB12V	G1UA/G1FA048S17(T)	1.04	1.03	0.97
P1XUB12V	G2FD036(S,H)17(T)	1.01	1.00	0.97
P1XUB12V	G2FD046(S,H)17(T)	1.04	1.03	0.97
P1XUC16V	G1UA/G1FA048S21(T)	1.04	1.05	0.93
P1XUC16V	G2FD036(S,H)21(T)	1.03	1.03	0.95
P1XUC16V	G2FD042(S,H)21(T)	1.04	1.03	0.95
P1XUC16V	G2FD048(S,H)21(T)	1.05	1.07	0.93
P1XUC20V	G1UA/G1FA048S21(T)	1.04	1.05	0.92
P1XUC20V	G2FD036(S,H)21(T)	1.03	1.03	0.94
P1XUC20V	G2FD042(S,H)21(T)	1.04	1.03	0.94
P1XUC20V	G2FD048(S,H)21(T)	1.05	1.07	0.92
P1XUD20V	G2FD048(S,H)24(T)	1.05	1.09	0.94
P1XDB12V	G2FD036(S,H)17(T)	1.00	0.98	0.96
P1XDB12V	G2FD046(S,H)17(T)	1.00	0.98	0.96
P1XDC20V	G2FD036(S,H)21(T)	1.03	1.03	0.96
P1XDC20V	G2FD042(S,H)21(T)	1.04	1.04	0.96
P1XDC20V	G2FD048(S,H)21(T)	1.05	1.08	0.95
P1XDD20V	G2FD048(S,H)24(T)	1.05	1.07	0.94

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA04211														
INDOOR COIL MODEL NO.		G1UA/G1FA048S21(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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
65	T.C.	40.6	46.0	46.2	50.2	51.5	42.7	47.4	47.0	50.8	51.0	44.8	48.8	47.8	51.4	50.6
	S.C.	38.3	36.0	30.4	29.8	22.4	40.3	39.3	32.9	31.4	23.1	42.2	42.7	35.5	33.0	23.7
	K.W.	2.9	2.9	2.9	3.0	3.0	2.9	2.9	2.9	3.0	3.0	2.9	2.9	2.9	3.0	3.0
75	T.C.	38.1	42.6	42.1	46.9	49.1	40.6	44.3	43.1	47.7	49.4	43.0	45.9	44.0	48.5	49.7
	S.C.	36.0	34.5	28.7	28.7	21.7	38.3	37.5	31.2	30.5	22.6	40.5	40.5	33.7	32.3	23.5
	K.W.	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.3
85	T.C.	35.7	39.2	38.0	43.6	46.7	38.4	41.1	39.1	44.6	47.8	41.2	43.0	40.3	45.5	48.8
	S.C.	33.7	33.1	27.0	27.5	21.0	36.0	35.7	29.5	29.5	22.2	38.4	38.3	31.9	31.6	23.3
	K.W.	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.6	3.6	3.5	3.5	3.5	3.6	3.7
95	T.C.	33.2	35.8	33.9	40.4	44.3	36.3	38.0	35.2	41.5	46.1	39.4	40.1	36.5	42.6	47.9
	S.C.	31.4	31.6	25.4	26.4	20.3	33.8	33.9	27.7	28.6	21.7	36.2	36.2	30.1	30.8	23.2
	K.W.	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8	4.0	3.8	3.8	3.8	3.9	4.0
105	T.C.	31.1	33.1	30.6	36.3	40.4	33.6	34.9	31.8	37.3	41.9	36.1	36.8	33.0	38.3	43.5
	S.C.	29.1	29.2	23.9	25.0	19.0	31.1	31.2	25.9	27.1	20.4	33.1	33.1	27.9	29.3	21.8
	K.W.	4.1	4.1	4.0	4.1	4.2	4.1	4.1	4.1	4.1	4.3	4.1	4.1	4.1	4.2	4.3
115	T.C.	29.0	30.4	27.4	32.3	36.6	30.9	31.9	28.5	33.2	37.9	32.8	33.5	29.6	34.1	39.2
	S.C.	26.9	26.9	22.5	23.6	17.8	28.5	28.5	24.1	25.7	19.2	30.1	30.0	25.8	27.8	20.5
	K.W.	4.4	4.3	4.3	4.4	4.5	4.4	4.4	4.3	4.4	4.6	4.4	4.4	4.3	4.4	4.6
125	T.C.	27.0	27.7	24.2	28.4	32.8	28.3	28.9	25.2	29.1	33.8	29.6	30.2	26.2	29.9	34.8
	S.C.	24.6	24.6	21.1	22.3	16.6	25.9	25.8	22.4	24.3	17.9	27.1	27.0	23.6	26.4	19.2
	K.W.	4.6	4.6	4.5	4.7	4.8	4.7	4.7	4.6	4.7	4.9	4.8	4.7	4.6	4.7	4.9

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

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.

Air Handler	Coil	T.C.	S.C.	KW
F2FP045		1.01	1.00	0.98
F2FP048		1.00	0.98	1.00
N1AHB12	G2FD046(S,H)17(T)	0.99	0.99	0.99
N1AHC16	G2FD048(S,H)21(T)	1.00	1.01	0.98
N1AHD20	G2FD048(S,H)24(T)	1.00	1.01	0.98
N1AHD20	G2FD060(S,H)24(T)	1.01	1.03	0.98
N1VSC16	G2FD042(S,H)21(T)	0.99	0.96	0.94
N1VSC16	G2FD048(S,H)21(T)	1.01	0.99	0.93
N1VSD20	G2FD048(S,H)24(T)	1.01	0.99	0.93
N1VSD20	G2FD060(S,H)24(T)	1.02	1.00	0.93
	G1UA/G1FA048S17(T)	0.99	0.99	0.99
	G1UA/G1FA060S21,24(T)	1.01	1.03	0.98
	G2FD046(S,H)17(T)	0.99	0.99	0.99
	G2FD048(S,H)21,24(T)	1.00	1.01	0.98
	G2FD060(S,H)24(T)	1.01	1.03	0.98
	G1NA042S24W	1.00	1.02	0.98
	G1NA048S21D	0.99	0.97	0.98
	G1HD048	0.99	1.00	0.98
	G1HA048H21(T)	0.99	0.97	0.97

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUB16V	G1UA/G1FA048S17(T)	0.99	0.99	0.95
P1DUB16V	G2FD046(S,H)17(T)	0.99	0.99	0.95
P1DUC20V	G1UA/G1FA048S21(T)	1.00	1.00	0.95
P1DUC20V	G1UA/G1FA060S21(T)	1.02	1.06	0.95
P1DUC20V	G2FD042(S,H)21(T)	0.99	0.99	0.95
P1DUC20V	G2FD048(S,H)21(T)	1.01	1.02	0.95
P1DUC20V	G2FD060(S,H)24(T)	1.02	1.06	0.95
P1XUB12V	G1UA/G1FA048S17(T)	0.98	0.97	0.96
P1XUB12V	G2FD046(S,H)17(T)	0.98	0.97	0.96
P1XUC16V	G1UA/G1FA048S21(T)	1.00	1.00	0.95
P1XUC16V	G1UA/G1FA060S21(T)	1.02	1.04	0.95
P1XUC16V	G2FD042(S,H)21(T)	0.99	0.99	0.96
P1XUC16V	G2FD048(S,H)21(T)	1.01	1.02	0.95
P1XUC16V	G2FD060(S,H)24(T)	1.02	1.04	0.95
P1XUC20V	G1UA/G1FA048S21(T)	1.00	1.01	0.95
P1XUC20V	G1UA/G1FA060S21(T)	1.02	1.04	0.95
P1XUC20V	G2FD042(S,H)21(T)	0.99	0.99	0.96
P1XUC20V	G2FD048(S,H)21(T)	1.01	1.02	0.95
P1XUC20V	G2FD060(S,H)24(T)	1.02	1.04	0.95
P1XUD20V	G1UA/G1FA060S24(T)	1.02	1.05	0.96
P1XUD20V	G2FD048(S,H)24(T)	1.01	1.03	0.96
P1XUD20V	G2FD060(S,H)24(T)	1.02	1.05	0.96
P1XUD20V	G2FD060(S,H)24(T)	1.02	1.05	0.96
P1XDB12V	G2FD046(S,H)17(T)	0.99	0.99	0.99
P1XDC20V	G2FD042(S,H)21(T)	0.98	0.99	0.97
P1XDC20V	G2FD048(S,H)21(T)	1.01	1.02	0.98
P1XDC20V	G2FD060(S,H)24(T)	1.02	1.04	0.97
P1XDD20V	G2FD048(S,H)24(T)	1.01	1.01	0.95
P1XDD20V	G2FD060(S,H)24(T)	1.02	1.05	0.96

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA04811														
INDOOR COIL MODEL NO.		G2FD048S24(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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.	50.2	53.0	53.5	57.9	53.5	51.6	53.5	53.9	58.7	53.7	53.0	54.0	54.3	59.4	53.8
	S.C.	51.0	46.6	39.2	39.2	23.9	52.4	49.1	41.3	40.6	24.3	53.7	51.5	43.3	42.0	24.6
	K.W.	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.1
75	T.C.	48.3	50.6	51.0	54.0	52.6	49.9	51.4	51.6	54.6	52.9	51.5	52.2	52.2	55.2	53.3
	S.C.	49.0	45.6	38.1	36.8	24.1	50.6	48.1	40.3	38.3	24.7	52.2	50.7	42.5	39.9	25.3
	K.W.	3.4	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.4	3.5	3.5
85	T.C.	46.4	48.2	48.4	50.1	51.7	48.2	49.3	49.2	50.6	52.2	50.0	50.4	50.0	51.1	52.8
	S.C.	47.1	44.6	36.9	34.4	24.2	48.8	47.2	39.4	36.1	25.2	50.6	49.8	41.8	37.7	26.1
	K.W.	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.8	3.9	3.9
95	T.C.	44.5	45.9	45.9	46.1	50.8	46.5	47.2	46.9	46.5	51.5	48.5	48.6	47.9	46.9	52.2
	S.C.	45.1	43.6	35.8	32.0	24.4	47.0	46.3	38.4	33.8	25.6	49.0	49.0	41.0	35.6	26.9
	K.W.	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.2	4.3	4.4	4.3	4.3	4.3	4.3	4.4
105	T.C.	41.8	42.5	42.3	42.6	48.2	43.7	44.1	43.3	43.1	49.0	45.7	45.7	44.2	43.6	49.8
	S.C.	42.4	41.3	34.5	30.5	23.2	44.3	43.7	37.0	32.5	24.6	46.2	46.2	39.6	34.6	26.1
	K.W.	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.8	4.9	4.9	4.8	4.8	4.8	4.9	4.9
115	T.C.	39.2	39.3	38.9	39.2	45.8	41.0	41.1	39.8	39.8	46.6	42.9	42.9	40.7	40.5	47.4
	S.C.	39.7	39.0	33.2	29.0	22.0	41.6	41.3	35.7	31.3	23.6	43.4	43.5	38.1	33.6	25.3
	K.W.	5.3	5.3	5.3	5.4	5.5	5.4	5.3	5.3	5.4	5.5	5.4	5.4	5.3	5.4	5.5
125	T.C.	36.5	36.1	35.4	35.8	43.4	38.3	38.1	36.2	36.6	44.2	40.2	40.0	37.1	37.3	45.1
	S.C.	37.1	36.8	31.9	27.5	20.8	38.9	38.8	34.3	30.1	22.7	40.7	40.8	36.7	32.6	24.5
	K.W.	5.9	5.8	5.8	5.9	6.0	5.9	5.9	5.8	5.9	6.0	5.9	5.9	5.8	6.0	6.1

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

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.

Air Handler	Coil	T.C.	S.C.	KW
F2FP045		1.00	0.98	1.00
F2FP048		0.99	0.96	1.00
F2FP060		1.00	0.97	1.01
F2FV060		1.01	0.99	0.96
N1AHC16	G2FD048(S,H)21(T)	1.00	1.00	1.00
N1AHD20	G2FD048(S,H)24(T)	1.00	1.00	1.00
N1AHD20	G2FD060(S,H)24(T)	1.01	1.01	1.00
N1AHD20	G2FD061H24	1.02	1.03	1.00
N1VSC16	G2FD048(S,H)21(T)	1.00	0.98	0.96
N1VSD20	G2FD048(S,H)24(T)	1.00	0.98	0.96
N1VSD20	G2FD060(S,H)24(T)	1.01	0.99	0.96
N1VSD20	G2FD061H24	1.02	1.01	0.95
	G1UA/G1FA048S21(T)	0.98	0.98	0.99
	G1UA/G1FA060S21,24(T)	1.01	1.01	1.00
	G2FD060(S,H)24(T)	1.01	1.01	1.00
	G2FD061H24	1.02	1.03	1.00
	G1NA060S24T	1.00	0.99	1.00
	G1HD048	0.98	0.98	0.99
	G1HD060	0.99	0.98	0.99
	G1HA048H21(T)	0.98	0.96	0.99
	G1HA060H24(T)	1.01	0.99	1.00

Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V	G1UA/G1FA048S21(T)	0.99	0.98	0.98
P1DUC20V	G1UA/G1FA060S21(T)	1.01	1.02	0.98
P1DUC20V	G2FD048(S,H)21(T)	1.00	1.01	0.98
P1DUC20V	G2FD060(S,H)24(T)	1.01	1.02	0.98
P1DUC20V	G2FD061H24	1.02	1.04	0.98
P1XUC16V	G1UA/G1FA048S21(T)	0.98	0.95	0.98
P1XUC16V	G1UA/G1FA060S21(T)	1.01	1.01	1.00
P1XUC16V	G2FD048(S,H)21(T)	0.99	0.97	0.98
P1XUC16V	G2FD060(S,H)24(T)	1.01	1.01	1.00
P1XUC16V	G2FD061H24	1.02	1.03	1.00
P1XUC20V	G1UA/G1FA048S21(T)	0.98	0.98	0.97
P1XUC20V	G1UA/G1FA060S21(T)	1.01	1.01	0.98
P1XUC20V	G2FD048(S,H)21(T)	1.00	1.00	0.98
P1XUC20V	G2FD060(S,H)24(T)	1.01	1.01	0.98
P1XUC20V	G2FD061H24	1.02	1.03	0.99
P1XUD20V	G1UA/G1FA06024(T)	1.01	1.02	0.98
P1XUD20V	G2FD048(S,H)24(T)	1.00	1.01	0.99
P1XUD20V	G2FD060(S,H)24(T)	1.01	1.02	0.98
P1XUD20V	G2FD061H24	1.03	1.04	0.99
P1XUD20V	G2FD060(S,H)24(T)	1.01	1.02	0.98
P1XDC20V	G2FD048(S,H)21(T)	0.99	0.96	0.97
P1XDC20V	G2FD060(S,H)24(T)	1.01	1.01	0.99
P1XDC20V	G2FD061H24	1.02	1.03	0.98
P1XDD20V	G2FD048(S,H)24(T)	1.00	1.01	0.99
P1XDD20V	G2FD060(S,H)24(T)	1.01	1.02	0.99
P1XDD20V	G2FD061H24	1.02	1.04	0.99

COOLING PERFORMANCE DATA																
OUTDOOR UNIT MODEL NO.		CMA06011														
INDOOR COIL MODEL NO.		G1UA/G1FA060S21,24(T)														
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	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.	52.6	56.6	57.1	59.5	62.2	54.7	57.8	58.2	59.9	62.5	56.8	59.0	59.3	60.2	62.8
	S.C.	51.5	47.3	40.9	39.1	29.9	53.6	49.9	43.7	41.5	30.9	55.6	52.5	46.5	43.8	31.9
	K.W.	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6
75	T.C.	50.7	54.2	54.4	58.0	62.0	53.0	55.7	55.7	58.7	62.5	55.3	57.1	57.0	59.5	63.0
	S.C.	49.7	46.3	39.7	38.6	30.0	51.9	49.1	42.6	41.2	31.1	54.1	51.9	45.5	43.7	32.3
	K.W.	4.2	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85	T.C.	48.9	51.8	51.7	56.5	61.8	51.3	53.5	53.3	57.6	62.5	53.7	55.3	54.8	58.8	63.2
	S.C.	47.9	45.3	38.5	38.0	30.0	50.2	48.3	41.5	40.8	31.4	52.5	51.4	44.5	43.7	32.7
	K.W.	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.8	4.8	4.7	4.7	4.7	4.8	4.8
95	T.C.	47.1	49.4	49.1	55.0	61.7	49.7	51.4	50.8	56.5	62.5	52.2	53.5	52.6	58.0	63.3
	S.C.	46.1	44.2	37.4	37.4	30.1	48.5	47.6	40.4	40.5	31.6	51.0	50.9	43.5	43.6	33.2
	K.W.	5.2	5.2	5.2	5.3	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.2	5.3	5.4
105	T.C.	44.4	47.5	45.4	51.2	56.9	46.8	48.9	47.1	52.8	58.3	49.3	50.2	48.7	54.3	59.7
	S.C.	43.4	43.7	35.8	36.0	29.2	45.7	45.9	38.7	39.0	30.7	48.0	48.1	41.6	42.1	32.3
	K.W.	5.9	5.9	5.8	6.0	6.0	5.9	5.9	5.9	6.0	6.1	6.0	6.0	5.9	6.0	6.1
115	T.C.	41.7	45.7	41.9	47.6	52.2	44.1	46.4	43.4	49.1	54.2	46.4	47.1	45.0	50.7	56.2
	S.C.	40.8	43.2	34.2	34.6	28.4	43.0	44.3	36.9	37.6	29.9	45.2	45.4	39.7	40.7	31.4
	K.W.	6.6	6.6	6.5	6.6	6.7	6.6	6.6	6.5	6.6	6.8	6.7	6.6	6.5	6.7	6.8
125	T.C.	39.1	43.9	38.4	43.9	47.6	41.3	43.9	39.8	45.5	50.1	43.5	43.9	41.2	47.0	52.7
	S.C.	38.2	42.7	32.6	33.2	27.6	40.3	42.7	35.2	36.2	29.0	42.3	42.6	37.8	39.2	30.5
	K.W.	7.2	7.3	7.1	7.3	7.4	7.3	7.3	7.2	7.3	7.5	7.3	7.3	7.2	7.3	7.5

NOTE: ALL CAPACITIES ARE NET (KBTUH) WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.

Multipliers for determining the performance with other indoor sections.

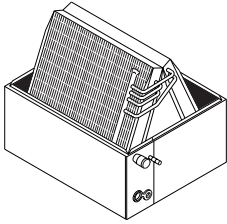
NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
F2FP060		0.99	0.98	1.01
F2FV060		1.00	0.99	0.98
N1AHD20	G2FD060(S,H)24(T)	1.00	1.01	1.00
N1AHD20	G2FD061H24	1.01	1.02	1.00
N1VSD20	G2FD060(S,H)24(T)	1.00	0.99	0.98
N1VSD20	G2FD061H24	1.01	1.00	0.98
	G2FD061H24	1.01	1.02	1.00
	G1NA060S24T	0.98	0.98	1.00
	G1HD060	0.98	0.99	1.00
	G1HA060H24 (T)	0.99	0.99	0.99

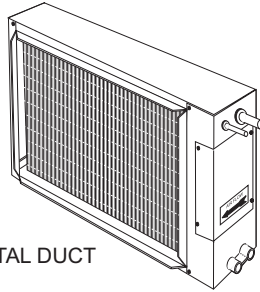
Variable Speed Furnace	Coil	T.C.	S.C.	KW
P1DUC20V	G1UA/G1FA060S21(T)	1.00	1.00	0.99
P1DUC20V	G2FD060(S,H)24(T)	1.00	1.00	0.99
P1DUC20V	G2FD061H24	1.01	1.00	0.99
P1XUC20V	G1UAG1FA060S21(T)	0.98	0.95	0.97
P1XUC20V	G2FD060(S,H)24(T)	0.98	0.95	0.97
P1XUC20V	G2FD061H24	0.99	0.96	0.98
P1XUD20V	G1UAG1FA06024(T)	0.99	0.96	0.97
P1XUD20V	G2FD060(S,H)24(T)	0.99	0.96	0.97
P1XUD20V	G2FD061H24	1.00	0.98	0.97
P1XUD20V	G2FD060(S,H)24(T)	0.99	0.96	0.97
P1XDC20V	G2FD060(S,H)24(T)	0.98	0.95	0.97
P1XDC20V	G2FD061H24	0.99	0.96	0.98
P1XDD20V	G2FD060(S,H)24(T)	0.99	0.96	0.98
P1XDD20V	G2FD061H24	1.00	0.96	0.98

MATCHING INDOOR COMPONENTS

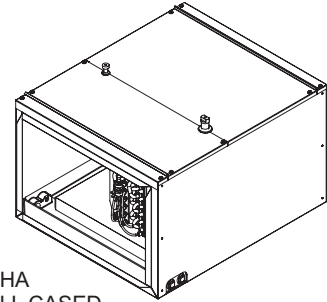
ADD-ON COILS - FOR FURNACE APPLICATIONS



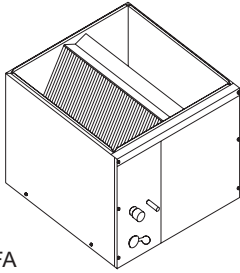
G1UA
1/2 CASED
UPFLOW



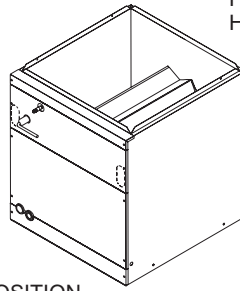
G1HD
HORIZONTAL DUCT



G1HA
FULL CASED
HORIZONTAL



G1FA
FULL CASED
UPFLOW

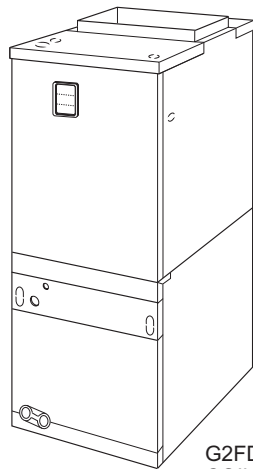


G2FD*
MULTI-POSITION
(UPFLOW, HORIZONTAL
AND DOWNFLOW)

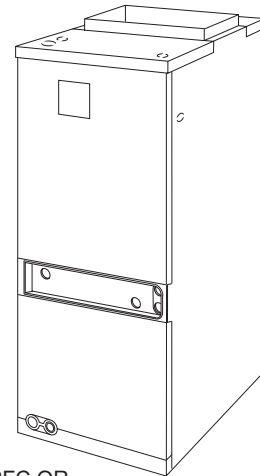
* Available with factory installed horizontal drain pan.

AIR HANDLERS - FOR NON-FURNACE APPLICATIONS

N1AH OR N1VS
MODULAR BLOWER
(UPFLOW, HORIZONTAL
AND DOWNFLOW)



G2FD
COIL



F2RC / F2FC OR
F2RP / F2FP / F3RP / F3FP / F2FV / F3FV
FAN COIL UNITS (UPFLOW, HORIZONTAL)