Goodman®
Air Conditioning & Heating

CLQ SERIES
14 SEER

High-Efficiency Split System Air Conditioning

2 to 5 Ton
[7.00 kW to 17.56 kW]

The CLQ outdoor condensing section is designed for ground-level or rooftop mount applications.

Standard Features
- Louvered guard protects coil from damage and adds strength to the unit
- Bottom pan rails elevate the unit above slab
- Quiet-operating top discharge
- Totally enclosed and permanently lubricated 8-pole, 830-RPM PSC condenser motor
- High-efficiency Copeland scroll compressor
- Compressor sound blanket
- Copper tube, aluminum fin coil
- Brass suction and liquid shut-off valve with sweat connections
- Fully charged for 15' [4.57m] of tubing length
- Factory-installed liquid line filter drier

Air Handler and Coil Compatibilities
- CA and CH indoor coils
- U, UC, H and HT fan-less indoor coils for heat pump or cooling applications
- ARUF, ARPT and AEPT multi-position electric heat air handlers

Cabinet Construction
- Polyester powder paint provides premium durability and improved UV protection
- Heavy gauge, zinc-clad, G90 galvanized steel
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

Accessories
- Standard room thermostat with 1-stage cool/1-stage heat (CHT18-60)
- Digital room thermostat with 1-stage cool/1-stage heat (CHTD18-60)
- Outdoor thermostats for staging/multi-staging indoor heating units (OT/EHR18-60)

Physical Data

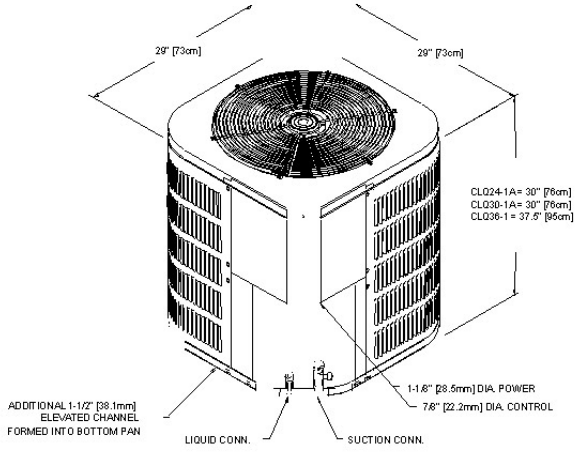
Model	Condenser		Type	Approximate Shipping Weight
	Liquid Connection	Suction Connection		
CLQ24-1A	⅜" [9.5mm]	¾" [19mm]	Sweat	206 [93.4kg]
CLQ30-1A	⅜" [9.5mm]	¾" [19mm]	Sweat	250 [113.4kg]
CLQ36-1	⅜" [9.5mm]	⅞" [22.2mm]	Sweat	260 [117.9kg]
CLQ42-1	⅜" [9.5mm]	⅞" [22.2mm]	Sweat	269[122.0kg]
CLQ48-1	⅜" [9.5mm]	⅞" [22.2mm]	Sweat	313[142.0kg]
CLQ60-1	⅜" [9.5mm]	⅞" [22.2mm]	Sweat	337[152.9kg]

Electrical Data

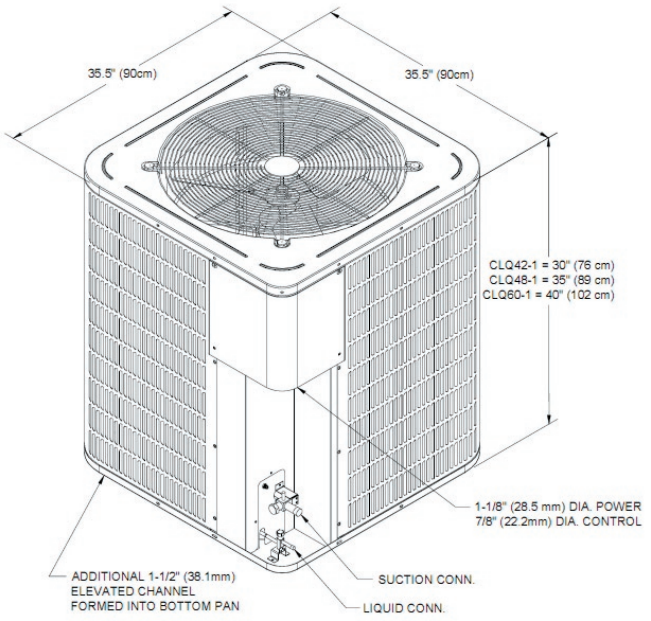
Model	Volts	PH	*Minimum Circuit Ampacity	+Maximum Overcurrent Protection	Maximum Volts	Minimum Volts	Compressor		Cond. Fan	
							RLA	LRA	FLA	HP
**CLQ24-1A	208/230	1	13.1	20	253	197	9.6	45	1.1	1/6
**CLQ30-1A	208/230	1	17.4	30	253	197	13.0	63	1.1	1/6
**CLQ36-1	208/230	1	18.5	30	253	197	13.5	72.5	1.6	¼
**CLQ42-1	208/230	1	23.0	40	253	197	17.1	88.0	1.6	¼
**CLQ48-1	208/230	1	24.1	40	253	197	18.0	104.0	1.6	¼
**CLQ60-1	208/230	1	28.6	50	253	197	21.6	137.0	1.6	¼

*Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require longer wire sizes.
+May use fuses or HACR type Circuit Breakers of the same size as noted
**With scroll compressor

Dimensional Data—CLQ24-36 Models



Dimensional Data—CLQ42-60 Models



Performance Ratings

Model	Evaporator Model	Total BTUH [kw]		Sensible BTUH [kw]		(1) SEER	(2) EER	Decibels
CLQ24-1A	ARPT032/ARUF032	22000	[6.4]	16300	[4.8]	13.5	12.5	74
	ARPT042/ARUF042	22400	[6.6]	16500	[4.8]	14.0	13.0	
	AEPT030	23000	[6.7]	17200	[5.0]	15.0	13.8	
	U31+GMNTE060-3	22000	[6.4]	16300	[4.8]	14.5	13.5	
	HT3236+GMNTE060-3	22000	[6.4]	16300	[4.8]	14.5	13.5	
	H36F+GMNTE060-3	22000	[6.4]	16300	[4.8]	14.5	13.5	
	HT3236/U31/U32/UC32/H36F+EEP (5)	22000	[6.4]	16300	[4.8]	13.5	12.5	
	HT4860/U47/UC47/H49F+EEP	23000	[6.7]	17000	[4.9]	14.0	13.0	
	CA*F030*2A+EEP	21000	[6.1]	15600	[4.6]	13.5	12.5	
	CA*F048*2A+EEP	22000	[6.4]	16300	[4.8]	14.0	13.0	
	CHPF030A2A+EEP	21000	[6.1]	15600	[4.6]	13.5	12.5	
	CHPF048D2A+EEP	22000	[6.4]	16300	[4.8]	14.0	13.0	
	CA*F030*2A+GMNTE060-3	22000	[6.4]	16300	[4.8]	14.5	13.5	
	CHPF030A2A+GMNTE060-3	22000	[6.4]	16300	[4.8]	14.5	13.5	
CLQ30-1A	ARPT032/ARUF032	27000	[7.9]	19950	[5.8]	13.5	12.5	74
	AEPT030	27000	[7.9]	19950	[5.8]	14.5	13.5	
	AEPT036	29000	[8.5]	21460	[6.3]	15.0	13.8	
	U31+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	U32/UC32+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	H36F+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	HT4248+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	U61/UC61+GMNTE100-4	29000	[8.5]	21460	[6.3]	15.0	13.8	
	HT61+GMNTE100-4	29000	[8.5]	21460	[6.3]	15.0	13.8	
	H61F+GMNTE100-4	29000	[8.5]	21460	[6.3]	15.0	13.8	
	HT3236/U31/U32/UC32/H36F+EEP (5)	27000	[7.9]	19950	[5.8]	13.5	12.5	
	HT61/U61/UC61/U62/UC62/H61F+EEP	29000	[8.5]	21460	[6.3]	14.0	13.0	
	CA*F030*2A+EEP	27000	[7.9]	19950	[5.8]	13.5	12.5	
	CA*F061*2A+EEP	29000	[8.5]	21460	[6.3]	14.0	13.0	
	CHPF030A2A+EEP	27000	[7.9]	19950	[5.8]	13.5	12.5	
	CHPF060D2A+EEP	29000	[8.5]	21460	[6.3]	14.0	13.0	
	CA*F030*2A+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	CHPF042B2A+GMNTE060-3	27000	[7.9]	19950	[5.8]	14.5	13.5	
	CA*F061*2A+GMNTE100-4	29000	[8.5]	21460	[6.3]	15.0	13.8	
	CHPF060D2A+GMNTE100-4	29000	[8.5]	21460	[6.3]	15.0	13.8	
CLQ36-1	ARPT049/ARUF049	34400	[10.0]	24500	[7.2]	13.5	12.5	74
	AEPT036	35000	[10.2]	25000	[7.3]	15.0	13.8	
	U60/UC60+GMNTE100-4	34400	[10.0]	24500	[7.2]	14.5	13.5	
	H60F+GMNTE100-4	34400	[10.0]	24500	[7.2]	14.5	13.5	
	HT4860+GMNTE100-4	34400	[10.0]	24500	[7.2]	14.5	13.5	
	U61/UC61+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	
	U62/UC62+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	
	H61F+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	
	HT61+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	
	HT4860/U60/UC60/H60F+EEP (5)	34400	[10.0]	24500	[7.2]	13.5	12.5	
	HT61/U61/UC61/U62/UC62/H61F+EEP	36000	[10.5]	26600	[7.8]	14.0	13.0	
	CA*X060*2A+EEP	33400	[9.8]	23800	[7.0]	13.5	12.5	
	CA*X061*2A+EEP	35000	[10.2]	25000	[7.3]	14.0	13.0	
	CHPF048D2A+EEP	33400	[9.8]	23800	[7.0]	13.5	12.5	
	CHPF060D2A+EEP	35000	[10.2]	25000	[7.3]	14.0	13.0	
	CHPF060D2A+GMNTE100-4	34400	[10.0]	24500	[7.2]	14.5	13.5	
	CHPF048D2A+GMNTE100-4	34400	[10.0]	24500	[7.2]	14.5	13.5	
	CA*F061*2A+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	
	CHPF060D2A+GMNTE120-5	35000	[10.2]	25000	[7.3]	15.0	13.8	

1) Seasonal Energy Efficiency Ratio
2) Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F
3) When matching the outdoor unit to the indoor unit, use the piston supplied with the outdoor unit or what is specified on the piston kit chart supplied with the indoor unit.
4) XX of a model designates Electric Heat Quantity.
5) EEP - Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is **not interchangeable** with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay.

Performance Ratings (cont.)

Model	Evaporator Model	Total BTUH [kw]		Sensible BTUH [kw]		(1) SEER	(2) EER	Decibels
CLQ42-1	ARPT049/ARUF049	40000	[11.7]	30000	[8.8]	13.5	12.5	76
	AEPT060	41000	[12.0]	31000	[9.1]	15.0	13.8	
	U60/UC60+GMNTE100-4	40000	[11.7]	30000	[8.8]	14.5	13.5	
	H60F+GMNTE100-4	40000	[11.7]	30000	[8.8]	14.5	13.5	
	HT4860+GMNTE100-4	40000	[11.7]	30000	[8.8]	14.5	13.5	
	U61/UC61+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
	U62/UC62+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
	H61F+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
	HT61+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
	HT4860/U60/UC60/H60F+EEP (5)	40000	[11.7]	30000	[8.8]	13.5	12.5	
	HT61/U61/UC61/U62/UC62/H61F+EEP	41000	[12.0]	31000	[9.1]	14.0	13.0	
	CA*X060*2A+EEP	40000	[11.7]	30000	[8.8]	13.5	12.5	
	CA*X061*2A+EEP	41000	[12.0]	31000	[9.1]	14.0	13.0	
	CHPF048D2A+EEP	40000	[11.7]	30000	[8.8]	13.5	12.5	
	CHPF060D2A+EEP	41000	[12.0]	31000	[9.1]	14.0	13.0	
	CA*F060*2A+GMNTE100-4	40000	[11.7]	30000	[8.8]	14.5	13.5	
	CHPF048D2A+GMNTE100-4	40000	[11.7]	30000	[8.8]	14.5	13.5	
	CA*F061*2A+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
	CHPF060D2A+GMNTE120-5	41000	[12.0]	31000	[9.1]	15.0	13.8	
CLQ48-1	ARPT049/ARUF049	44000	[12.9]	33000	[9.6]	13.5	12.5	76
	AEPT060	45000	[13.2]	34000	[9.9]	14.5	13.5	
	U60/UC60+GMNTE100-4	44000	[12.9]	33000	[9.6]	14.0	13.0	
	H60F+GMNTE100-4	44000	[12.9]	33000	[9.6]	14.0	13.0	
	HT4860+GMNTE100-4	44000	[12.9]	33000	[9.6]	14.0	13.0	
	U61/UC61+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
	U62/UC62+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
	H61F+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
	HT61+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
	HT4860/U60/UC60/H60F+EEP (5)	44000	[12.9]	33000	[9.6]	13.5	12.5	
	HT61/U61/UC61/U62/UC62/H61F+EEP	45000	[13.2]	34000	[9.9]	14.0	13.0	
	CA*X060*2A+EEP	44000	[12.9]	33000	[9.6]	13.5	12.5	
	CA*X061*2A+EEP	45000	[13.2]	34000	[9.9]	14.0	13.0	
	CHPF048D2A+EEP	44000	[12.9]	33000	[9.6]	13.5	12.5	
	CHPF060D2A+EEP	45000	[13.2]	34000	[9.9]	14.0	13.0	
	CA*F060*2A+GMNTE100-4	44000	[12.9]	33000	[9.6]	14.0	13.0	
	CHPF048D2A+GMNTE100-4	44000	[12.9]	33000	[9.6]	14.0	13.0	
	CA*F061*2A+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
	CHPF060D2A+GMNTE120-5	45000	[13.2]	34000	[9.9]	14.5	13.5	
CLQ60-1	ARPT061/ARUF060	55000	[16.0]	39600	[11.6]	13.5	12.5	76
	AEPT060	55000	[16.0]	39600	[11.6]	14.0	13.0	
	U61/UC61+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	
	U62/UC62+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	
	H61F+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	
	HT61+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	
	HT4860/U60/UC60/H60F+EEP	54000	[15.8]	38800	[11.4]	13.5	12.5	
	HT61/U61/UC61/U62/UC62/H61F+EEP (5)	55000	[16.0]	39600	[11.6]	14.0	13.0	
	CA*X060*2A+EEP	54000	[15.8]	38800	[11.4]	13.5	12.5	
	CA*X061*2A+EEP	55000	[16.0]	39600	[11.6]	14.0	13.0	
	CHPF048D2A+EEP	54000	[15.8]	38800	[11.4]	13.5	12.5	
	CHPF060D2A+EEP	55000	[16.0]	39600	[11.6]	14.0	13.0	
	CA*F061*2A+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	
	CHPF060D2A+GMNTE120-5	55000	[16.0]	39600	[11.6]	14.2	13.1	

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