

**12 SEER HIGH EFFICIENCY  
SPLIT SYSTEM  
AIR CONDITIONING  
1½ THRU 5 TON  
[5.28 to 17.56kw]**



**Description/Application**

- CLJ outdoor condensing section designed for ground level or rooftop mounting application

**Designed to be matched with:**

- U, UC, H, HT fan-less indoor coils for heat pump or cooling applications
- ARPT, ARUF and AEPT multi-position electric heat air handlers
- ARPF dedicated downflow electric heat air handler
- AWB vertical wall-mounted air handler with electric heat
- AH vertical wall-mounted air handler with hydronic heat
- AC ceiling-mounted air handler with electric heat
- ACHP ceiling-mounted air handler with hydronic heat

**Accessories:**

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

**Standard Equipment Features**

- Louvered guard protects coil from damage and adds strength to unit
- Bottom pan rails elevate unit above slab
- Copper tube, aluminum fin coil construction
- Brass suction and liquid shut-off valve with sweat connections
- Quiet operating top discharge
- Totally enclosed and permanently lubricated condenser motor
- Fully charged for 15' [4.57m] of tubing length
- Factory-installed liquid line filter drier
- Hermetically sealed compressor with internal high-pressure relief
- Crankcase heater (where indicated)

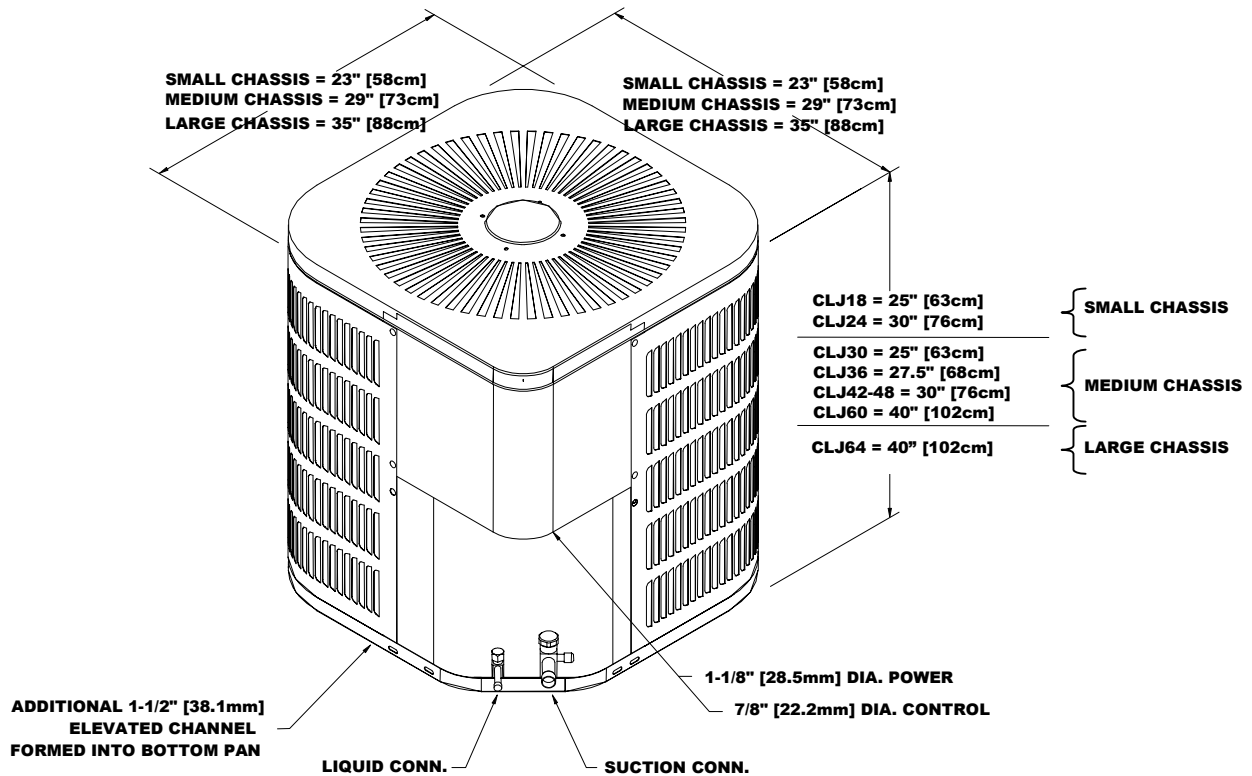
**Cabinet Construction Features**

- Polyester powder paint provides premium durability and improved UV protection
- Heavy gauge, zinc-clad G90 galvanized steel

## Physical Data

Model	Liquid Connection	Suction Connection	Type	Approx. Shipping Weight
CLJ18-1	3/8 [9.5mm]	3/4 [19mm]	Sweat	135 [61.2kg]
CLJ24-1	3/8 [9.5mm]	3/4 [19mm]	Sweat	160 [72.5kg]
CLJ30-1	3/8 [9.5mm]	3/4 [19mm]	Sweat	173 [78.5kg]
CLJ36-1A	3/8 [9.5mm]	3/4 [19mm]	Sweat	174 [78.9kg]
CLJ42-1A	3/8 [9.5mm]	3/4 [19mm]	Sweat	175 [79.4kg]
CLJ48-1A	3/8 [9.5mm]	7/8 [22.2mm]	Sweat	208 [94.3kg]
CLJ60-1	3/8 [9.5mm]	7/8 [22.2mm]	Sweat	270 [122.5kg]
CLJ64-1	3/8 [9.5mm]	7/8 [22.2mm]	Sweat	358 [162.5kg]

## DIMENSIONAL DATA CLJ18-64\* MODELS



\* CLJ64 unit picture not shown

## Electrical Data

Model	Volts	PH	+Minimum Wire Ampacity	*Maximum Overcurrent Protection	Maximum Volts	Minimum Volts	Compressor		Cond. Fan	
							RLA	LRA	FLA	HP
CLJ18-1	208/230	1	11.8	20	253	197	8.4	48	1.3	1/6
CLJ24-1	208/230	1	14.7	20	253	197	10.9	60	1.1	1/6
CLJ30-1	208/230	1	17.4	30	253	197	13.0	61	1.1	1/6
CLJ36-1A	208/230	1	19.6	30	253	197	14.4	82	1.6	1/4
CLJ42-1A	208/230	1	23.0	40	253	197	17.1	86	1.6	1/4
CLJ48-1A**	208/230	1	24.7	40	253	197	18.3	109	1.8	1/4
CLJ60-1**	208/230	1	33.1	50	253	197	25.0	169	1.8	1/4
CLJ64-1**	208/230	1	37.6	60	253	197	28.8	148	1.6	1/4

\*May use fuses or HACR type Circuit Breakers of the same size as noted.

\*\*With Scroll Compressor

+Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

## Performance Ratings

Condenser Model	Evaporator Model See Note 3	Total BTUH (kW)		Sensible BTUH (kW)		(1) SEER	(2) EER	Decibels
CLJ18-1	AWB18-XX/ARUF018-00A-1 (4)	16000	[4.7]	11800	[3.4]	11.30	10.30	78
	U18/UC18+EEP (5)	16000	[4.7]	11800	[3.4]	11.30	10.30	
	HT1830/U29/UC29+EEP	16800	[4.9]	12400	[3.6]	11.50	10.50	
	AH30/ARUF024/ARPF024	17400	[5.0]	12600	[3.7]	12.00	11.00	
	ACHP1819-1/AC18-XX	17200	[5.0]	12750	[3.7]	12.00	11.00	
	AWB24-XX	17200	[5.0]	12750	[3.7]	12.00	11.00	
	AH18	17000	[4.9]	12900	[3.8]	11.20	10.20	
	ARPF036-00B-1/ARPT032-00A-1/ARUF032-00A-1	18000	[5.1]	13200	[3.7]	12.00	11.00	
	HT3236/U31+EEP	18000	[5.1]	13200	[3.7]	12.00	11.00	
	U32/UC32/H36F+EEP	18000	[5.1]	13200	[3.7]	12.00	11.00	
	AEPT024-00A-1/AEPT030	18400	[5.3]	13600	[3.9]	13.00	12.00	
	H36F+GMPE075-3	18000	[5.1]	13200	[3.7]	13.00	12.00	
	U32/UC32+GMPE075-3	18000	[5.1]	13200	[3.7]	13.00	12.00	
HT3236/ HT4248+GMPE075-3	18000	[5.1]	13200	[3.7]	13.00	12.00		
CLJ24-1	ACHP2423-1/AC24-XX (4)	21200	[6.2]	15700	[4.6]	11.50	10.50	73
	ACHP3028-1/AH30	22400	[6.5]	16600	[4.8]	12.00	11.00	
	HT1830/U29/UC29/H24F+EEP (5)	22600	[6.6]	16800	[4.9]	11.30	10.30	
	ARPF024-00B-1/ARPT024-00A-1/ARUF024-00A-1	22800	[6.7]	16800	[4.9]	11.30	10.30	
	AWB24-XX	22800	[6.7]	16800	[4.9]	12.00	11.00	
	AWB30-XX/AC30-XX	23200	[6.8]	17200	[5.0]	12.00	11.00	
	ARPF036-00B-1/ARPT032-00A-1/ARUF032-00A-1	23400	[6.9]	17300	[5.1]	12.00	11.00	
	HT3236/U31+EEP	23400	[6.9]	17300	[5.1]	12.00	11.00	
	U32/UC32+H36F+EEP	23400	[6.9]	17300	[5.1]	12.00	11.00	
	AEPT024-00A-1/AEPT030	24000	[7.0]	17700	[5.2]	13.00	12.00	
	H36F+GMPE075-3	23400	[6.9]	17270	[5.0]	13.00	12.00	
	U32/UC32+GMPE075-3	23400	[6.9]	17270	[5.0]	13.00	12.00	
	HT4248+GMPE075-3	23400	[6.9]	17270	[5.0]	13.00	12.00	
CLJ30-1	AH30	26400	[7.7]	19550	[5.7]	11.50	10.50	73
	ACHP3632-1/ARUF030-00A-1	27000	[7.9]	20000	[5.8]	11.00	10.00	
	U30/UC30+EEP (5)	27000	[7.9]	20000	[5.8]	11.20	10.20	
	AC30-XX (4)	27400	[8.0]	20300	[5.9]	11.50	10.50	
	AWB36-XX/AC36-XX	28000	[8.2]	20750	[6.0]	12.00	11.00	
	AH36	28000	[8.2]	20750	[6.0]	12.00	11.00	
	U31+EEP	28000	[8.2]	20700	[6.0]	11.50	10.50	
	ARPF036-00B-1/ARPT032-00A-1/ARUF032-00A-1	28000	[8.2]	20000	[5.8]	12.00	11.00	
	HT3236/U32/UC32/H36F+EEP	28000	[8.2]	20700	[6.0]	12.00	11.00	
	AEPT030-00A-1/AEPT030	29000	[8.5]	21500	[6.3]	12.50	11.50	
	AEPT036-00A-1/AEPT036	30000	[8.8]	22200	[6.5]	13.00	12.00	
	H36F+GMPE075-3	28000	[8.2]	20665	[6.0]	12.50	11.50	
	U32/UC32+GMPE075-3	28000	[8.2]	20665	[6.0]	12.50	11.50	
	HT3236/ HT4248+GMPE075-3	28000	[8.2]	20665	[6.0]	12.50	11.50	
	H36F+GMNTE100-4	28000	[8.2]	20665	[6.0]	13.00	12.00	
U32/UC32+GMNTE100-4	28000	[8.2]	20665	[6.0]	13.00	12.00		
HT4248+GMNTE100-4	28000	[8.2]	20665	[6.0]	13.00	12.00		
CLJ36-1A	ACHP36-1	33000	[9.6]	29450	[7.16]	11.00	10.00	78
	AC36-XX (4)	33600	[9.8]	24900	[7.3]	11.00	10.00	
	ARPT036-00A-1/ARUF036-00A-1	34000	[9.9]	24500	[7.2]	11.20	10.20	
	HT3236/U36/UC36/H36F+EEP (5)	34000	[9.9]	24500	[7.2]	11.20	10.20	
	U42/UC42/U49/UC49+EEP	36000	[10.2]	26300	[7.4]	12.00	11.00	
	U47/UC47+EEP	36000	[10.2]	26300	[7.4]	12.00	11.00	
	HT4248/H49F+EEP	36000	[10.2]	26300	[7.4]	12.00	11.00	
	AWB36XX/ARPT042-00A-1/ARUF042-00A-1	36000	[10.2]	26300	[7.4]	12.00	11.00	
	AEPT036-00A-1/AEPT036	36000	[10.2]	26300	[7.6]	13.00	12.00	
	AH36	35400	[10.3]	26200	[7.7]	12.00	11.00	
	H49F+GMPE075-3	36000	[10.2]	26300	[7.5]	12.50	11.50	
	U42/UC42+GMPE075-3	36000	[10.2]	26300	[7.5]	12.50	11.50	
	HT4248+GMPE075-3	36000	[10.2]	26300	[7.5]	12.50	11.50	
	H49F+GMNTE100-4	36000	[10.2]	26300	[7.5]	13.00	11.50	
	U42/UC42+GMNTE100-4	36000	[10.2]	26300	[7.5]	13.00	11.50	
	HT4860+GMNTE100-4	36000	[10.2]	26300	[7.5]	13.00	11.50	
	H49F+GMNTE125-5	36000	[10.2]	26300	[7.5]	13.00	11.50	
U42/UC42+GMNTE125-5	36000	[10.2]	26300	[7.5]	13.00	11.50		
HT4860+GMNTE125-5	36000	[10.2]	26300	[7.5]	13.00	11.50		

(1) Seasonal Energy Efficiency Ratio

(2) Energy Efficiency Ratio @ 80°F/67°F [26°C/19.4°C] Inside - 95°F [35°C]

(3) When matching the outdoor unit to the indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.

(4) Note: XX of A Model Designate 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.)

Condenser Model	Evaporator Model See Note 3	Total		Sensible		(1) SEER	(2) EER	Decibels
		BTUH [kW]	[kW]	BTUH [kW]	[kW]			
CLJ42-1A	U42/UC42/H49F+EEP (5)	39000	[11.4]	29200	[8.5]	11.30	10.30	77
	ARPT042-00A-1/ARUF042-00A-1	39500	[11.6]	29500	[8.6]	11.30	10.30	
	ARUF048-00A-1	40000	[11.7]	30000	[8.7]	11.50	10.50	
	ARPF048-00B-1/ARPT049-00A-1/ARUF049-00A-1	40500	[11.8]	30200	[8.8]	12.00	11.00	
	HT4860+EEP	40000	[11.7]	30000	[8.7]	12.00	11.00	
	U60/UC60/H60F+EEP	40500	[11.8]	30200	[8.8]	12.00	11.00	
	U59/UC59+EEP	40500	[11.8]	30200	[8.8]	12.00	11.00	
	AEPT048-00A-1/AEPT060	41000	[12.0]	30500	[8.9]	13.00	12.00	
	U60/UC60+GMNTE100-4	40000	[11.7]	30000	[8.7]	13.00	12.00	
	H60F+GMNTE100-4	40000	[11.7]	30000	[8.7]	13.00	12.00	
	HT4860+GMNTE100-4	40000	[11.7]	30000	[8.7]	13.00	12.00	
	U59/UC59+GMNTE100-4	40000	[11.7]	30000	[8.7]	13.00	12.00	
	H60F+GMNTE120-5	41000	[12.0]	30700	[8.9]	13.00	12.00	
HT4860+GMNTE120-5	41000	[12.0]	30700	[8.9]	13.00	12.00		
CLJ48-1A	ARUF048-00A-1	44000	[12.8]	31800	[9.3]	11.30	10.30	80
	U59/UC59+EEP (5)	45000	[13.2]	32800	[9.6]	12.00	11.00	
	HT4860/U60/UC60/H60F+EEP	45000	[13.2]	32800	[9.6]	12.00	11.00	
	ARPF048-00B-1/ARPT049-00A-1/ARUF049-00A-1	45000	[13.2]	32800	[9.6]	12.00	11.00	
	AEPT048-00A-1/AEPT060	46000	[13.5]	34300	[10.0]	13.00	12.00	
	HT61/U61/UC61/H61F+EEP	47000	[13.7]	34300	[10.0]	12.00	11.00	
	U61/UC61+GMNTE100-4	47000	[13.7]	34300	[10.0]	12.50	11.50	
	H61F+GMNTE100-4	47000	[13.7]	34300	[10.0]	12.50	11.50	
	HT61+GMNTE100-4	47000	[13.7]	34300	[10.0]	12.50	11.50	
	U61/UC61+GMNTE120-5	47000	[13.7]	34300	[10.0]	12.50	11.50	
	H61F+GMNTE120-5	47000	[13.7]	34300	[10.0]	12.50	11.50	
	HT61+GMNTE120-5	47000	[13.7]	34300	[10.0]	12.50	11.50	
	U62/UC62+GMNTE120-5	47000	[13.7]	34300	[10.0]	12.50	11.50	
CLJ60-1	ARUF060-00A-1	53000	[15.5]	39500	[11.6]	11.30	10.30	79
	U59/UC59/U60/UC60/H60F+EEP (5)	53000	[15.5]	39500	[11.6]	11.30	10.30	
	U62/UC62+EEP	54000	[15.8]	40500	[11.8]	12.00	11.00	
	HT61/U61/UC61/H61F+EEP	55000	[16.1]	41200	[12.1]	12.00	11.00	
	ARPF060-00B-1/ARPT061-00A-1/ARUF061-00A-1	56000	[16.4]	42000	[12.3]	12.00	11.00	
	AEPT060-00A-1/AEPT060	54000	[15.8]	38000	[11.1]	12.30	11.30	
	U62/UC62+GMNTE120-5	55000	[16.1]	40150	[11.7]	12.30	11.30	
	H61F+GMNTE120-5	55000	[16.1]	40150	[11.7]	12.30	11.30	
CLJ64 - 1	HT61+GMNTE120-5	55000	[16.1]	40150	[11.7]	12.30	11.30	78
	HT61+GMT115-5	64000	[18.7]	46700	[13.7]	12.00	11.00	

(1) Seasonal Energy Efficiency Ratio

(2) Energy Efficiency Ratio @ 80°F/67°F [26°C/19.4°C] Inside - 95°F [35°C]

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**NOTE: SPECIFICATIONS AND PERFORMANCE DATA LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE**

### Quality Makes the Difference!

All of our systems are designed and manufactured with the same high-quality standards, regardless of size or efficiency. We have designed these units to significantly reduce the most frequent causes of product failure. They are simple to service and forgiving to operate. We use quality materials and components. Finally, every unit is run-tested before it leaves the factory. That's why we know...

***There's No Better Quality.***

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