



Air Conditioning & Heating

NOMINAL CAPACITY:
36,000 TO 57,000 BTU/H

CKL

SPLIT SYSTEM AIR CONDITIONER

60 Hz, 10 SEER
1½ TO 5 TONS

Standard Features

- Quiet operating top discharge
- Copper tube/aluminum fin coil
- Totally enclosed and permanently lubricated condenser motor
- Factory-installed liquid line filter drier
- Brass suction and liquid service valve with sweat connections
- Hermetically sealed compressor with internal high-pressure relief
- Fully charged for 15' of tubing length
- Contactor with lug connections
- Ground lug connection

Cabinet Features

- Goodman® brand sound control design
- Heavy-gauge, galvanized-steel cabinet properly reinforced and braced
- Steel louver coil guard
- Attractive architectural gray powder-paint finish with 500-hour salt spray approval
- Removable access panels

Accessories

- Standard room thermostat with 1-stage cool/1-stage heat (CHT18-60 or CHSATG)
- Digital room thermostat with 1-stage cool/1-stage heat (CH70TG)
- Cooling-only room thermostat (CT18-60)
- Outdoor Thermostat (OT18-60)
- Low Ambient Kit (LA-01)



The CKL split system air conditioner features an attractive louvered metal guard that protects the coil from damage and strengthens the unit. Designed for ground-level or roof-top mount application, the raised base pan elevates the unit above the slab for excellent water drainage.



NOMENCLATURE

	C	KL	036	1	AA
	1	2,3	4,5,6	7	8,9
Product Category	C Split System				Engineering Major/ Minor Revisions
Unit Type	E Commercial Air Conditioner K Air Conditioner P Heat Pump				Electrical
Nominal Capacity	018 1½ Tons 024 2 Tons 030 2½ Tons 036 3 Tons 042 3½ Tons	048 4 Tons 060 5 Tons 090 7½ tons 120 10 Tons		1 208/230 V, 1 Phase, 60 Hz 2 220/240 V, 1 Phase, 50 Hz 3 208/230 V, 3 Phase, 60 Hz 4 460 V, 3 Phase, 60 Hz 5 380/415 V, 3 Phase, 50 Hz	

SPECIFICATIONS

	CKL36-1*	CKL49-1*	CKL60-1*	CKL60-3*
CAPACITIES				
Nominal Cooling (BTU/h)	36,000	46,000	57,000	57,000
SEER ¹	10.0	10.0	10.0	10.0
EER ²	9.5	9.5	9.0	9.0
Decibels	78	80	80	80
COMPRESSOR				
RLA	14.4	18.2	17.9	7.4
LRA	82	102	97.4	50
CONDENSER FAN MOTOR				
Horsepower	¼	¼	¼	¼
FLA	1.5	1.5	0.9	0.8
Outdoor Nominal CFM	2,200	2,800	3,000	3,000
Rows Deep/ Fins per Inch	1/ 19	1/ 19	1/ 19	1/ 19
Fin Type	Rippled	Rippled	Rippled	Rippled
Coil No. of Tubes	22	22	24	24
Coil Tube Diameter (in.)	0.375	0.375	0.375	0.375
REFRIGERATION SYSTEM				
Liquid Valve Size ("O.D.)	⅜" [.95]	⅜" [.95]	⅜" [.95]	⅜" [.95]
Suction Valve Size ("O.D.)	¼" [1.9]	⅝" [2.2]	⅝" [2.2]	⅝" [2.2]
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	112	122	130	130
Shipped with Orifice Size	0.071	0.080	0.093	0.093
ELECTRICAL DATA				
Voltage-Phase	208/230-1	208/230-1	208/230-1	208/230-3
Min. Circuit Ampacity ³	19.5	24.3	23.3	21.1
MOP (amps) ⁴	30	40	40	30
Min / Max Volts	197/ 253	197/ 253	197/ 253	197/ 253
Power Supply Conduit Size	½ or ¾	½ or ¾	½ or ¾	½ or ¾
SHIP WEIGHT (LBS)	179 [81.2]	211 [95.7]	211 [95.7]	231 [104.8]

[] Designates metric equivalents

¹ Seasonal Energy Efficiency Ratio

² Energy Efficiency Ratio

³ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁴ Maximum Overcurrent Protection Device

NOTES:

- Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
- Always check the S&R plate for electrical data on the unit being installed.

PERFORMANCE RATINGS

MODEL #	COIL / AIR HANDLER	COOLING CAPACITY (BTU/H)				DBS
		TOTAL	SENSIBLE	EER ²	kWI ³	
CKL36-1*	ARUF36C14	34,600	27,400	9.5	3.8	78
	CA*F3030*6*	35,000	27,200	9.5	3.68	78
CKL49-1*	ARUF48D14	44,500	34,200	9.0	5.00	80
	CA*F3642*6*	45,000	33,600	9.2	4.89	80
CKL60-1*	ARUF60D14	56,000	40,000	9.0	6.20	80
	CA*F4860*6*	57,000	43,000	9.0	6.33	80
CKL60-3*	ARUF60D14	56,000	40,000	9.0	6.20	80
	CA*F4860*6*	57,000	43,000	9.0	6.33	80

¹ Seasonal Energy Efficiency Ratio

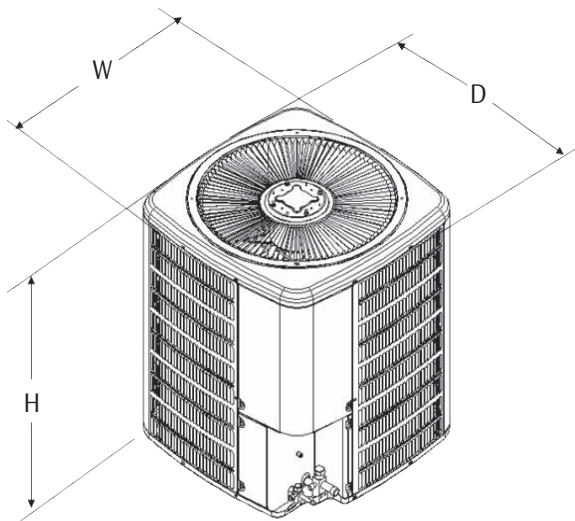
² Energy Efficiency Ratio @ 80°F / 67°F / 95°F

³ kWI = Compressor + Indoor Blower + Outdoor Fan Watts

NOTES

- Order the EEP from the Service Department using Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S.
- When mix-matching outdoor and indoor units, the indoor unit check-flowrator must match the outdoor unit size.

DIMENSIONS



MODEL	DIMENSIONS [MM]		
	W	D	H
CKL36-1*	26" [660]	26" [660]	29" [737]
CKL49-1*	29" [737]	29" [737]	29" [737]
CKL60-1*	29" [737]	29" [737]	29" [737]
CKL60-3*	29" [737]	29" [737]	31½" [800]