

CKL SERIES

60 Hz, 10 SEER

1½ TO 5 TON

SPLIT SYSTEM AIR CONDITIONER

**NOMINAL CAPACITY:
19,000 TO 60,000 BTU/H**



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.

Standard Features

- Quiet operating top discharge
- Copper tube/aluminum fin coil
- Totally enclosed and permanently lubricated condenser motor
- Factory-installed liquid line filter dryer
- 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

- Unique Goodman® 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

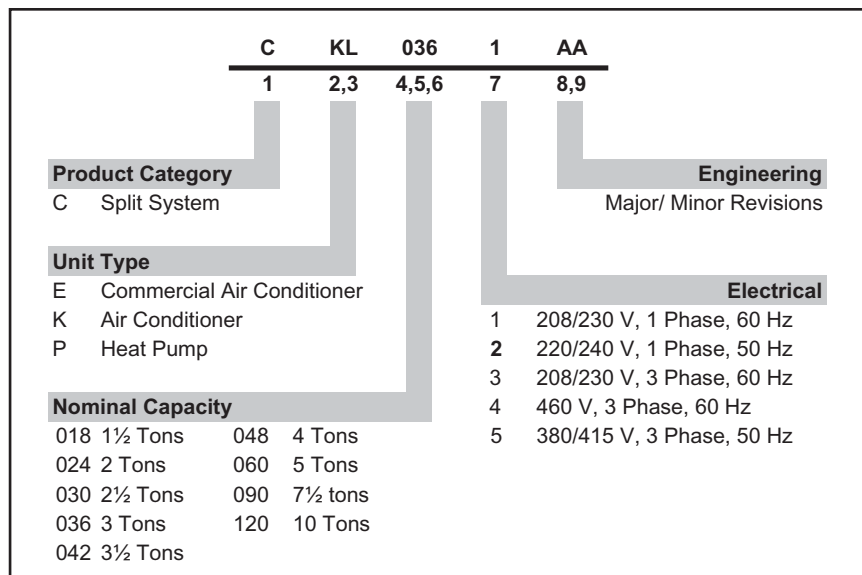
Accessories

- 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)



PRODUCT SPECIFICATIONS

NOMENCLATURE



PERFORMANCE RATINGS

| Model # | Coil / Air Handler | Cooling Capacity (BTU/h) | | | | | dBs |
|----------|--------------------|--------------------------|----------|-------------------|------------------|------------------|-----|
| | | Total | Sensible | SEER ¹ | EER ² | kWI ³ | |
| CKL18-1* | ARUF17291** | 19,000 | 14,500 | 10.5 | 9.8 | 1.94 | 76 |
| | CA*F1824*6* | 19,400 | 14,800 | 10.5 | 9.8 | 1.98 | 76 |
| CKL24-1* | ARUF17291** | 24,800 | 16,600 | 10.0 | 9.5 | 2.60 | 78 |
| | CA*F1824*6* | 25,000 | 16,800 | 10.0 | 9.5 | 2.63 | 78 |
| CKL30-1* | ARUF17291** | 29,000 | 21,200 | 10.0 | 9.5 | 3.05 | 78 |
| | CA*F1824*6* | 29,600 | 21,600 | 10.0 | 9.5 | 3.11 | 78 |
| CKL36-1* | ARUF30301** | 36,000 | 27,800 | 10.0 | 9.5 | 3.79 | 78 |
| | CA*F3030*6* | 35,000 | 27,200 | 10.0 | 9.5 | 3.68 | 78 |
| CKL42-1* | ARUF36421** | 42,000 | 32,600 | 10.0 | 9.5 | 4.42 | 80 |
| | CA*F3642*6* | 42,000 | 32,600 | 10.0 | 9.5 | 4.43 | 80 |
| CKL49-1* | ARUF48601** | 46,000 | 34,000 | 10.0 | 9.2 | 5.00 | 80 |
| | CA*F3642*6* | 45,000 | 33,600 | 10.0 | 9.2 | 4.89 | 80 |
| CKL49-3* | ARUF48601** | 46,000 | 34,000 | 10.0 | 9.5 | 4.84 | 80 |
| | CA*F4860*6* | 46,000 | 34,000 | 10.0 | 9.5 | 4.84 | 80 |
| CKL60-1* | ARUF48601** | 57,000 | 43,000 | 10.0 | 9.0 | 6.33 | 80 |
| | CA*F4860*6* | 57,000 | 43,000 | 10.0 | 9.0 | 6.33 | 80 |
| CKL60-3* | ARUF48601** | 57,000 | 43,000 | 10.0 | 9.0 | 6.33 | 80 |
| | CA*F4860*6* | 57,000 | 43,000 | 10.0 | 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

Note:

- When mix-matching outdoor and indoor units, the indoor unit check flowrator must match the outdoor unit size.

SPECIFICATIONS

| | CKL18-1 | CKL24-1 | CKL30-1 | CKL36-1 | CKL42-1 | CKL49-1 | CKL49-3 | CKL60-1 | CKL60-3 |
|------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Capacities | | | | | | | | | |
| Nominal Cooling (BTU/h) | 19,000 | 24,800 | 29,600 | 36,000 | 42,000 | 46,000 | 46,000 | 57,000 | 57,000 |
| SEER ¹ | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| EER ² | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.0 | 9.0 |
| Decibels | 76 | 78 | 78 | 78 | 78 | 80 | 80 | 80 | 80 |
| Compressor | | | | | | | | | |
| RLA | 8.6 | 9.8 | 13.7 | 14.4 | 17.0 | 18.2 | 12.5 | 17.9 | 7.4 |
| LRA | 49 | 56 | 75 | 82 | 105 | 102 | 61 | 97.4 | 50 |
| Condenser Fan Motor | | | | | | | | | |
| Horsepower | 1/6 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| FLA | 1.1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.9 | 0.9 | 0.8 |
| Outdoor Nominal CFM | 2,000 | 2,200 | 2,200 | 2,200 | 2,200 | 2,800 | 2,800 | 3,000 | 3,000 |
| Rows Deep/ Fins per Inch | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 | 1/ 19 |
| Fin Type | Rippled | Rippled | Rippled | Rippled | Rippled | Rippled | Rippled | Rippled | Rippled |
| Coil No. of Tubes | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | 24 |
| Coil Tube Diameter (in.) | 0.375 | 0.375 | 0.375 | 0.375 | 0.375 | 0.375 | 0.375 | 0.375 | 0.375 |
| Refrigeration System | | | | | | | | | |
| Liquid Valve Size ("O.D.) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Suction Valve Size ("O.D.) | 3/4 | 3/4 | 3/4 | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 | 7/8 |
| Valve Type | Sweat | Sweat | Sweat | Sweat | Sweat | Sweat | Sweat | Sweat | Sweat |
| Refrigerant Charge | 106 | 107 | 101 | 112 | 120 | 124 | 88 | 89 | 113 |
| Shipped with Orifice Size | 0.052 | 0.059 | 0.065 | 0.071 | 0.076 | 0.080 | 0.080 | 0.093 | 0.093 |
| Electrical Data | | | | | | | | | |
| Voltage-Phase | 208/230-1 | 208/230-1 | 208/230-1 | 208/230-1 | 208/230-1 | 208/230-1 | 208/230-3 | 208/230-1 | 208/230-3 |
| Min. Circuit Ampacity ³ | 11.9 | 13.8 | 18.7 | 19.5 | 22.8 | 24.3 | 16.6 | 23.3 | 21.1 |
| MOP (amps) | 20 | 20 | 30 | 30 | 35 | 40 | 25 | 40 | 30 |
| Min / Max Volts | 197/253 | 197/253 | 197/253 | 197/253 | 197/253 | 197/253 | 197/253 | 197/253 | 197/253 |
| Power Supply Conduit Size | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 | 1/2 or 3/4 |
| Ship Weight (lbs) | 175 | 176 | 179 | 179 | 184 | 211 | 211 | 231 | 231 |

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

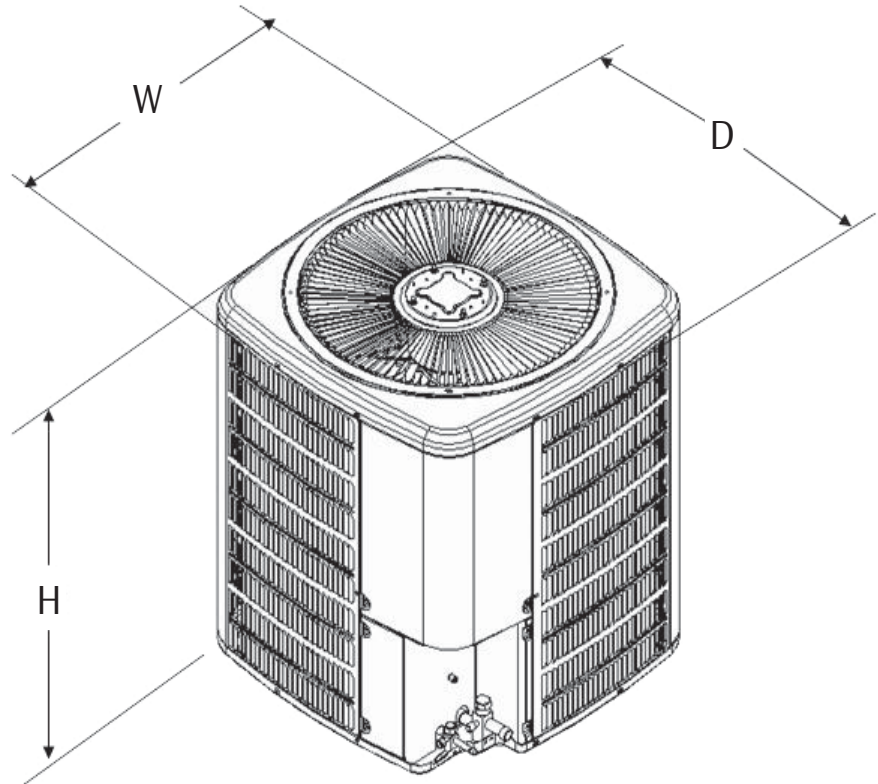
Notes:

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.

PRODUCT SPECIFICATIONS

DIMENSIONS



| Model | Width | Depth | Height |
|----------|-------|-------|----------------------------------|
| CKL18-1* | 26" | 26" | 29 ³ / ₄ " |
| CKL24-1* | 26" | 26" | 29 ³ / ₄ " |
| CKL30-1* | 26" | 26" | 29 ³ / ₄ " |
| CKL36-1* | 26" | 26" | 29 ³ / ₄ " |
| CKL42-1* | 26" | 26" | 29 ³ / ₄ " |
| CKL49-1* | 29" | 29" | 29 ³ / ₄ " |
| CKL49-3* | 29" | 29" | 29 ³ / ₄ " |
| CKL60-1* | 29" | 29" | 32 ¹ / ₄ " |
| CKL60-3* | 29" | 29" | 32 ¹ / ₄ " |

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 and use quality materials and components. They are simple to service and forgiving to operate. Finally, every unit is run-tested before it leaves the factory. That's why we know... there's no better quality.

Visit our website at www.goodmanmfg.com for information on: Goodman Products • Customer Services • Parts

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