

## CKF SERIES

*50 Hz*

COOLING-ONLY  
2- TO 6-TON  
CONDENSING UNIT

NOMINAL CAPACITY:  
24,600 TO 64,000 BTU/H  
[10.6 kW TO 20.5 kW]



**This 50-Hz split system air conditioner allows for ground-level or rooftop applications and has been tested for optimum performance by an independent third party.**

### Standard Features

- Quiet-operating top discharge
- Brass suction and liquid line shut-off valves
- High-pressure manual reset control
- Copper tube/aluminum fin coils
- Factory-installed liquid line filter dryer
- Contactor with lug connections
- Ground lug connection
- Sweat connections on all units
- Totally enclosed, permanently lubricated condenser motor designed for PSC operation with internal thermal overload protection
- Isolated compressor compartment
- Energy-efficient compressor with internal overload protection
- Designed for use with A Series air handlers
- Independent third-party performance tested with matching outdoor sections by ETL Testing Laboratories, Inc., per ARI Standard 210-240
- CE Certified

### Cabinet Features

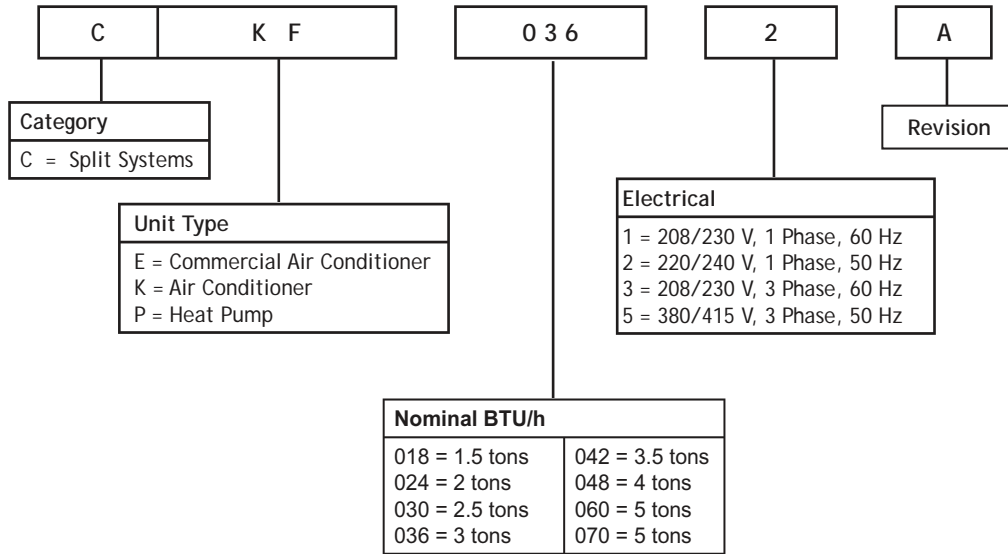
- Unique Goodman<sup>®</sup> sound control design
- Heavy-gauge, galvanized-steel cabinet properly reinforced and braced
- Steel louver coil guard
- Attractive architectural gray powder-paint finish with 500-hour salt spray approval
- Removable access panels

### Accessories

- Cooling-only room thermostat (CT18-60)
- Cooling/Heating room thermostat (CHT18-60)
- Cooling/Heating digital thermostat (CHT18-60-HD)

# PRODUCT SPECIFICATIONS

## SPECIFICATIONS



## PERFORMANCE RATINGS

Outdoor Unit	Indoor Unit	Cooling Capacity (BTU/h)				dBs
		Total	Sensible	EER <sup>1</sup>	kWI <sup>2</sup>	
CKF24-2*	A24-00-2RA	24,000	16,800	9.0	2.66	76
	CA*F1824*6*	24,600	17,400	9.0	2.73	76
CKF36-2*	A36-00-2RA	33,000	23,400	9.0	3.67	76
	CA*F3030*6*	34,000	24,200	9.0	3.78	76
CKF36-5*	A36-00-2RA	33,000	23,400	9.0	3.67	76
	CA*F3030*6*	34,000	24,200	9.0	3.78	76
CKF48-5*	A48-00-2A	44,000	32,400	9.0	4.89	78
	CA*F3636*6*	44,000	32,400	9.0	4.89	78
CKF60-5*	A60-00-2R	55,000	37,800	9.0	6.11	78
	CA*F3642*6*	55,000	37,800	9.0	6.11	78
CKF70-5*	A60-00-2R	61,000	41,500	9.0	6.78	80
	CA*F4860*6*	62,000	42,000	9.0	6.89	80
	A90-00-2R	64,000	43,500	9.0	7.11	80

<sup>1</sup> Energy Efficiency Ratio @ 80°F / 67°F / 95°F

<sup>2</sup> 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

	CKF24-2*	CKF36-2*	CKF36-5*	CKF48-5*	CKF60-5*	CKF70-5*
<b>Capacities</b>						
Nominal Cooling (BTU/h)	24,600	34,000	34,000	44,000	55,000	64,000
EER <sup>1</sup>	9.0	9.0	9.0	9.0	9.0	9.0
Decibels	76	76	78	78	80	80
<b>Compressor</b>						
RLA	12.5	17.9	5.3	7.4	9	10.9
LRA	61	97.4	42	50	74	101
Volts	220-240	220-240	380-420	380-420	380-420	380-420
<b>Condenser Fan Motor</b>						
Horsepower	1/4	1/4	1/4	1/4	1/4	1/3
FLA	0.9	0.9	0.8	0.8	0.8	1.2
Volts	220-240	220-240	380	380	380	380
<b>Refrigeration System</b>						
Liquid Valve Size ("O.D.)	3/8	3/8	3/8	3/8	3/8	3/8
Suction Valve Size ("O.D.)	3/4	3/4	7/8	7/8	7/8	7/8
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	88	89	89	113	121	153
Shipped with Orifice Size	0.059	0.068	0.068	0.078	0.093	0.096
<b>Condenser Fan / Coil</b>						
Horsepower - RPM	1/4-950	1/4-950	1/4-950	1/4-950	1/4-950	1/3-1075
Fan Diameter/ # Fan Blades	20/3	20/3	20/3	22/3	22/3	22/3
Outdoor Nominal CFM	1800	1800	1800	2400	2600	3200
Face Area (ft <sup>2</sup> )	13.3	13.3	13.3	15.6	17.1	20
Rows Deep/ Fins per Inch	1/19	1/19	1/19	1/19	1/19	1/22
Fin Type	Ripple	Ripple	Ripple	Ripple	Ripple	Ripple
Coil No. of Tubes	22	22	22	22	24	36
Coil Tube Diameter (in.)	0.375	0.375	0.375	0.375	0.375	0.375
<b>Electrical Data</b>						
Voltage-Hz / Phase	220/240-50/1	220/240-50/1	380/415-50/3	380/415-50/3	380/415-50/3	380/415-50/3
Min. Circuit Ampacity <sup>2</sup>	16.6	23.3	7.5	10	12	14.8
Max. Overcurrent Protection (amps) <sup>3</sup>	25	40	15	15	20	20
Min / Max Volts	198/264	198/264	342/456	342/456	342/456	342/456
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
Ship Weight (lbs-[kg])	180 (82)	184 (84)	184 (84)	191 (87)	210 (95)	228 (104)

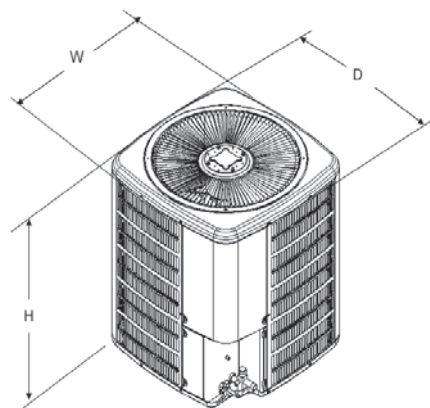
<sup>1</sup> Energy Efficiency Ratio

<sup>2</sup> Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

<sup>3</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

## DIMENSIONS



Model	Width	Depth	Height
CKF24-2*	26	26	29¾
CKF36-2*	26	26	29¾
CKF36-5*	26	26	29¾
CKF48-5*	29	29	29¾
CKF60-5*	29	29	32¼
CKF70-5*	29	29	38¼



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