

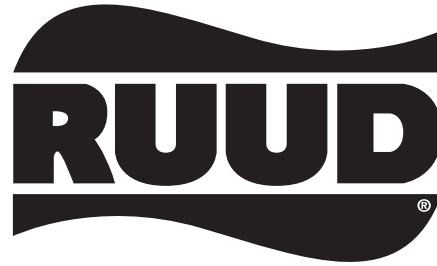
ChasRoberts

AIR CONDITIONING & HEATING

(602) 943-3426
9828 North 19th Avenue
Phoenix, AZ 85021-1992

(520) 292-6858
4065 East Illinois Street
Tucson, AZ 85714-2106

www.ChasRoberts.com



13 SEER CONDENSING UNITS

Features

- Painted louvered steel cabinet
- Easily accessible control box
- Condenser coils constructed with copper tubing and enhanced aluminum fins
- Grille/Motor mount for quiet fan operation
- Bi-Directional Filter Drier (shipped – not installed)

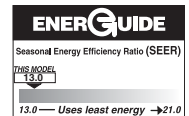
Applications

Outdoor condensing unit designed for ground level or rooftop installations. These units offer comfort and dependability for single, multi-family and light commercial applications.

Accessories

- Low Pressure Control (RXAC-A07)
- High Pressure Control (RXAB-A07)
- Low Ambient Control (RXAD-A08)
- Compressor Time Delay Control
- Crankcase Heater
- Sound Enclosure

13AJM SERIES



Important Facts You Should Know About Your Gas Furnace and Air Conditioner

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Gas Furnace

- **If You Smell Gas** – Call your gas company, at once, from a neighbor's phone. DO NOT touch any electrical switches or light any flames.
- **If Smoke Appears – Don't be alarmed, THIS IS NORMAL**, the first time the furnace is started. Your smoke alarms may sound, but they will reset when the smoke clears. The reason this happens is because the factory applies a layer of oil inside the furnace to protect it during shipment. The burners will burn away this oil the first time the furnace is started. The furnace will smoke this one time only.
- **Before you call for service, check these simple items first:**
 - Is the furnace plugged in and are the breakers and disconnects turned on?
 - Is the thermostat set above the room temperature?
 - Is the thermostat switch set in the heat position:
 - Is the gas line connected to the furnace? If not, call you builder or plumbing contractor.
 - Is the gas manual shut off valve open? The gas valve handle is located just outside the furnace and the handle should be turned parallel with the gas pipe to be on. If it is turned at a right angle, it is off.
 - Is the air filter dirty or full of lint? A dirty filter will block needed air flow to the furnace and shut it down prematurely.
- If you have checked all these things, and the furnace still does not operate, CALL your builder or Chas Roberts Air Conditioning.
- Important, more detailed information on your furnace should be reviewed in your homeowner's operation and maintenance manual.

Air Conditioner

- During the cooling season, your gas furnace provides air flow for your air conditioning.
- **Do Not** turn the air conditioning system off. Part-time cooling is poor economy. If the system is left off during the morning, the home will soak up heat and be more difficult to cool in the afternoon. You can actually save money by letting the thermostat determine when cooling is needed.
- During the hot, dry seasons, we recommend keeping the air conditioner blower on continuously. The air conditioning unit cools more evenly when the blower switch is in the ON position. The blower provides refreshing air movement and even temperatures throughout the home. The blower also circulates air through the filter, which helps remove dust, lint and other pollutants more efficiently.
- During the more humid monsoon season, we recommend switching the blower to the AUTO position to help dehumidify the air more efficiently. Check you condensate drain to make sure the moisture being removed from the house is draining properly. The bottom drain outside your house should be dripping and the emergency overflow drain above should be dry.
- Shades, drapes, shutters, or screens should be installed on windows that are exposed to direct sunlight. Also, plant a tress or put up a canopy to protect your windows from the direct sun.
- For cooling and heating . . . **Leave your thermostat alone**. When you have found a temperature that you prefer, it is best to leave the thermostat at that setting.
- **Clean or replace the filters frequently**. Dirty filters will lower performance and efficiency of your cooling. The filters are usually located at the return grille or at the indoor section of your unit.

Model Number Identification

13	A	J	M	18	A	01
13 SEER	A = AIR CONDITIONER	VOLTAGE J = 208-230 SINGLE PHASE	DESIGN SERIES M = 2ND DESIGN R-410A	NOMINAL COOLING CAPACITY 18 = 18,000 BTU/HR [5.28 kW] 24 = 24,000 BTU/HR [7.03 kW] 30 = 30,000 BTU/HR [8.79 kW] 36 = 36,000 BTU/HR [10.55 kW] 42 = 42,000 BTU/HR [12.31 kW] 48 = 48,000 BTU/HR [14.07 kW] 60 = 60,000 BTU/HR [17.58 kW]	CABINET A = FULL METAL JACKET	RUUD VALUE SERIES

Performance Data @ ARI Standard Conditions—Cooling

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCFL-H*2417 ①	19,100 [5.6]	14,450 [4.2]	4,650 [1.4]	11.40	13.00	74	675 [319]
	RCFL-A*2414	19,100 [5.6]	14,450 [4.2]	4,650 [1.4]	11.40	13.00	74	675 [319]
	RCFL-A*2417	19,100 [5.6]	14,450 [4.2]	4,650 [1.4]	11.40	13.00	74	675 [319]
	RCFL-A*2417 (UGFD-06?MCK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.65	14.00	74	600 [283]
	RCFL-A*2417 (UGFD-07?MCK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.65	14.00	74	600 [283]
	RCFL-A*2417 (UGGD-06?MCK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.80	14.50	74	600 [283]
	RCFL-A*2417 (UGGD-07?MCK?)	19,400 [5.7]	14,500 [4.2]	4,900 [1.4]	12.80	14.50	74	625 [295]
	RCFL-A*2417 (UGLR-07?AMK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.85	14.50	74	600 [283]
	RCFL-A*2417 (UGPR-05?BMK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.55	14.00	74	600 [283]
	RCFL-A*2417 (UGPR-07?AMK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.80	14.50	74	600 [283]
18	RCFL-A*2417 (RGRM-04?MAE?)	19,100 [5.6]	14,150 [4.1]	4,950 [1.5]	12.60	14.00	74	575 [271]
	RCFL-A*2417 (RGRM-06?MAE?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.70	14.50	74	600 [283]
	RCFL-A*2417 (RGRM-07?MAE?)	19,300 [5.7]	14,450 [4.2]	4,850 [1.4]	12.50	14.00	74	625 [295]
	RCFL-H*2414	19,100 [5.6]	14,450 [4.2]	4,650 [1.4]	11.40	13.00	74	675 [319]
	RCFL-H*2417 (UGFD-06?MCK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.65	14.00	74	600 [283]
	RCFL-H*2417 (UGFD-07?MCK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.65	14.00	74	600 [283]
	RCFL-H*2417 (UGGD-06?MCK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.80	14.50	74	600 [283]
	RCFL-H*2417 (UGGD-07?MCK?)	19,400 [5.7]	14,500 [4.2]	4,900 [1.4]	12.80	14.50	74	625 [295]
	RCFL-H*2417 (UGJD-06?MCK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.80	14.50	74	600 [283]
	RCFL-H*2417 (UGJD-07?MCK?)	19,400 [5.7]	14,500 [4.2]	4,900 [1.4]	12.80	14.50	74	625 [295]
	RCFL-H*2417 (UGLR-07?AMK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.85	14.50	74	600 [283]
	RCFL-H*2417 (UGPR-05?BMK?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.55	14.00	74	600 [283]
	RCFL-H*2417 (UGPR-07?AMK?)	19,300 [5.7]	14,350 [4.2]	4,950 [1.5]	12.80	14.50	74	600 [283]
	RCFL-H*2417 (RGRM-04?MAE?)	19,100 [5.6]	14,150 [4.1]	4,950 [1.5]	12.60	14.00	74	575 [271]
	RCFL-H*2417 (RGRM-06?MAE?)	19,200 [5.6]	14,300 [4.2]	4,900 [1.4]	12.70	14.50	74	600 [283]
	RCFL-H*2417 (RGRM-07?MAE?)	19,300 [5.7]	14,450 [4.2]	4,850 [1.4]	12.50	14.00	74	625 [295]
	RBHP-17 (RCHL-24A2)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	11.95	14.00	74	600 [283]
	RCHL-24A2 (UGFD-06?MCK?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	11.95	14.00	74	600 [283]
	RCHL-24A2 (UGFD-07?MCK?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	12.00	14.00	74	600 [283]
	RCHL-24A2 (UGGD-06?MCK?)	18,300 [5.4]	12,950 [3.8]	5,350 [1.6]	12.10	14.00	74	600 [283]
	RCHL-24A2 (UGGD-07?MCK?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	12.05	14.00	74	625 [295]
	RCHL-24A2 (UGJD-06?MCK?)	18,300 [5.4]	12,950 [3.8]	5,350 [1.6]	12.10	14.00	74	600 [283]
	RCHL-24A2 (UGJD-07?MCK?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	12.05	14.00	74	625 [295]
	RCHL-24A2 (UGLR-07?AMK?)	18,300 [5.4]	12,950 [3.8]	5,350 [1.6]	12.15	14.00	74	600 [283]
	RCHL-24A2 (UGPR-05?BMK?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	11.90	14.00	74	600 [283]
	RCHL-24A2 (UGPR-07?AMK?)	18,300 [5.4]	12,950 [3.8]	5,350 [1.6]	12.10	14.00	74	600 [283]
	RCHL-24A2 (RGRM-04?MAE?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	12.05	14.00	74	575 [271]
	RCHL-24A2 (RGRM-06?MAE?)	18,300 [5.4]	12,950 [3.8]	5,350 [1.6]	12.10	14.00	74	600 [283]
	RCHL-24A2 (RGRM-07?MAE?)	18,200 [5.3]	12,850 [3.8]	5,350 [1.6]	11.85	13.50	74	625 [295]
	RHKL-HM2417 (RCSL-H*2417)	19,600 [5.7]	14,800 [4.3]	4,800 [1.4]	13.00	14.50	74	650 [307]
RHLL-HM2417 (RCSL-H*2417)	19,600 [5.7]	14,800 [4.3]	4,800 [1.4]	13.05	14.50	74	650 [307]	
RHSL-HM1817 (RCSL-H*2417)	18,900 [5.5]	14,050 [4.1]	4,850 [1.4]	11.85	13.00	74	600 [283]	

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCFL-H*2417 ①	23,000 [6.7]	17,100 [5.0]	5,900 [1.7]	10.95	13.00	74	800 [378]
	RCFL-A*2414	23,000 [6.7]	17,100 [5.0]	5,900 [1.7]	10.95	13.00	74	800 [378]
	RCFL-A*2417	23,000 [6.7]	17,100 [5.0]	5,900 [1.7]	10.95	13.00	74	800 [378]
	RCFL-A*2417 (UGFD-06?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.60	13.50	74	800 [378]
	RCFL-A*2417 (UGFD-07?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.70	13.50	74	800 [378]
	RCFL-A*2417 (UGGD-06?MCK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	11.90	14.00	74	800 [378]
	RCFL-A*2417 (UGGD-07?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.80	13.50	74	800 [378]
	RCFL-A*2417 (UGLR-07?AMK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	12.05	14.00	74	800 [378]
	RCFL-A*2417 (UGPR-05?BMK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.75	13.50	74	775 [366]
	RCFL-A*2417 (UGPR-07?AMK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	12.00	14.00	74	800 [378]
	RCFL-A*2417 (RGRM-04?MAE?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.65	13.50	74	800 [378]
	RCFL-A*2417 (RGRM-06?MAE?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.70	13.50	74	825 [389]
	RCFL-A*2417 (RGRM-07?MAE?)	23,600 [6.9]	17,750 [5.2]	5,850 [1.7]	11.45	13.00	74	850 [401]
	RCFL-H*2414	23,000 [6.7]	17,100 [5.0]	5,900 [1.7]	10.95	13.00	74	800 [378]
	RCFL-H*2417 (UGFD-06?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.60	13.50	74	800 [378]
	RCFL-H*2417 (UGFD-07?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.70	13.50	74	800 [378]
	RCFL-H*2417 (UGGD-06?MCK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	11.90	14.00	74	800 [378]
	RCFL-H*2417 (UGGD-07?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.80	13.50	74	800 [378]
	RCFL-H*2417 (UGJD-06?MCK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	11.90	14.00	74	800 [378]
	RCFL-H*2417 (UGJD-07?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.80	13.50	74	800 [378]
	RCFL-H*2417 (UGLR-07?AMK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	12.05	14.00	74	800 [378]
	RCFL-H*2417 (UGPR-05?BMK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.75	13.50	74	775 [366]
	RCFL-H*2417 (UGPR-07?AMK?)	23,600 [6.9]	17,550 [5.1]	6,050 [1.8]	12.00	14.00	74	800 [378]
	RCFL-H*2417 (RGRM-04?MAE?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.65	13.50	74	800 [378]
	RCFL-H*2417 (RGRM-06?MAE?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.70	13.50	74	825 [389]
	RCFL-H*2417 (RGRM-07?MAE?)	23,600 [6.9]	17,750 [5.2]	5,850 [1.7]	11.45	13.00	74	850 [401]
	RBHP-17 (RCHL-24A2)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	10.95	13.00	74	800 [378]
	RCHL-24A2 (UGGD-06?MCK?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	11.05	13.00	74	800 [378]
	RCHL-24A2 (UGGD-07?MCK?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	10.95	13.00	74	800 [378]
	RCHL-24A2 (UGJD-06?MCK?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	11.05	13.00	74	800 [378]
	RCHL-24A2 (UGJD-07?MCK?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	10.95	13.00	74	800 [378]
	RCHL-24A2 (UGLR-07?AMK?)	22,000 [6.4]	15,800 [4.6]	6,200 [1.8]	11.20	13.00	74	800 [378]
	RCHL-24A2 (UGPR-07?AMK?)	22,000 [6.4]	15,800 [4.6]	6,200 [1.8]	11.10	13.00	74	800 [378]
RCHL-24A2 (RGRM-04?MAE?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	10.95	13.00	74	800 [378]	
RCHL-24A2 (RGRM-06?MAE?)	22,000 [6.4]	15,850 [4.6]	6,150 [1.8]	10.95	13.00	74	825 [389]	
RHKL-HM2417 (RCSL-H*2417)	23,800 [7.0]	17,900 [5.2]	5,900 [1.7]	12.00	14.00	74	850 [401]	
RHLL-HM2417 (RCSL-H*2417)	23,600 [6.9]	17,500 [5.1]	6,100 [1.8]	12.35	14.50	74	775 [366]	
RHSL-HM2417 (RCSL-H*2417)	23,200 [6.8]	17,250 [5.1]	5,950 [1.7]	11.25	13.00	74	800 [378]	
24	RCFL-H*3617 ①	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
	RCFL-A*3617	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
	RCFL-A*3617 (UGFD-06?MCK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,000 [472]
	RCFL-A*3617 (UGFD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-A*3617 (UGGD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.70	13.50	73	1,000 [472]
	RCFL-A*3617 (UGGD-07?MCK?)	27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,025 [484]
	RCFL-A*3617 (UGLR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.90	14.00	73	1,025 [484]
	RCFL-A*3617 (UGPR-05?BMK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
	RCFL-A*3617 (UGPR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.85	13.50	73	1,000 [472]
	RCFL-A*3617 (RGRM-04?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,025 [484]
	RCFL-A*3617 (RGRM-06?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
	RCFL-A*3617 (RGRM-07?MAE?)	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.10	13.00	73	1,025 [484]
	RCFL-A*3621	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
	RCFL-A*3621 (UGFD-06?MCK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.45	13.00	73	1,000 [472]
	RCFL-A*3621 (UGFD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,000 [472]
	RCFL-A*3621 (UGGD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.75	13.50	73	1,000 [472]
	30	RCFL-H*3617 ①	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73
RCFL-A*3617		27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
RCFL-A*3617 (UGFD-06?MCK?)		27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,000 [472]
RCFL-A*3617 (UGFD-07?MCK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.60	13.50	73	1,000 [472]
RCFL-A*3617 (UGGD-06?MCK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.70	13.50	73	1,000 [472]
RCFL-A*3617 (UGGD-07?MCK?)		27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,025 [484]
RCFL-A*3617 (UGLR-07?AMK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.90	14.00	73	1,025 [484]
RCFL-A*3617 (UGPR-05?BMK?)		27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
RCFL-A*3617 (UGPR-07?AMK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.85	13.50	73	1,000 [472]
RCFL-A*3617 (RGRM-04?MAE?)		27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,025 [484]
RCFL-A*3617 (RGRM-06?MAE?)		27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
RCFL-A*3617 (RGRM-07?MAE?)		27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.10	13.00	73	1,025 [484]
RCFL-A*3621		27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
RCFL-A*3621 (UGFD-06?MCK?)		27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.45	13.00	73	1,000 [472]
RCFL-A*3621 (UGFD-07?MCK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,000 [472]
RCFL-A*3621 (UGGD-06?MCK?)		27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.75	13.50	73	1,000 [472]

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCFL-A*3621 (UGGD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,025 [484]
	RCFL-A*3621 (UGLR-07?AMK?)	28,000 [8.2]	21,500 [6.3]	6,500 [1.9]	11.95	14.00	73	1,025 [484]
	RCFL-A*3621 (UGLR-07?BRQ?)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.30	14.00	73	1,000 [472]
	RCFL-A*3621 (UGPR-05?BMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-A*3621 (UGPR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.90	14.00	73	1,000 [472]
	RCFL-A*3621 (UGPR-07?BRQ?)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.30	14.50	73	1,000 [472]
	RCFL-A*3621 (RGRM-04?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,025 [484]
	RCFL-A*3621 (RGRM-06?MAE?)	27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-A*3621 (RGRM-07?YBG?)	27,400 [8.0]	20,800 [6.1]	6,600 [1.9]	11.35	13.00	73	975 [460]
	RCFL-H*3617 (UGFD-06?MCK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,000 [472]
	RCFL-H*3617 (UGFD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-H*3617 (UGGD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.70	13.50	73	1,000 [472]
	RCFL-H*3617 (UGGD-07?MCK?)	27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,025 [484]
	RCFL-H*3617 (UGJD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.70	13.50	73	1,000 [472]
	RCFL-H*3617 (UGJD-07?MCK?)	27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,025 [484]
	RCFL-H*3617 (UGLR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.90	14.00	73	1,025 [484]
	RCFL-H*3617 (UGPR-05?BMK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
	RCFL-H*3617 (UGPR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.85	13.50	73	1,000 [472]
	RCFL-H*3617 (RGRM-04?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,025 [484]
	RCFL-H*3617 (RGRM-06?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.55	13.50	73	1,000 [472]
RCFL-H*3617 (RGRM-07?MAE?)	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.10	13.00	73	1,025 [484]	
30	RCFL-H*3621	27,400 [8.0]	21,000 [6.2]	6,400 [1.9]	11.05	13.00	73	1,025 [484]
	RCFL-H*3621 (UGFD-06?MCK?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.45	13.00	73	1,000 [472]
	RCFL-H*3621 (UGFD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,000 [472]
	RCFL-H*3621 (UGGD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.75	13.50	73	1,000 [472]
	RCFL-H*3621 (UGGD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,025 [484]
	RCFL-H*3621 (UGJD-06?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.75	13.50	73	1,000 [472]
	RCFL-H*3621 (UGJD-07?MCK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.65	13.50	73	1,025 [484]
	RCFL-H*3621 (UGLR-07?AMK?)	28,000 [8.2]	21,500 [6.3]	6,500 [1.9]	11.95	14.00	73	1,025 [484]
	RCFL-H*3621 (UGLR-07?BRQ?)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.30	14.00	73	1,000 [472]
	RCFL-H*3621 (UGPR-05?BMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-H*3621 (UGPR-07?AMK?)	27,800 [8.1]	21,300 [6.2]	6,500 [1.9]	11.90	14.00	73	1,000 [472]
	RCFL-H*3621 (UGPR-07?BRQ?)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.30	14.50	73	1,000 [472]
	RCFL-H*3621 (RGRM-04?MAE?)	27,600 [8.1]	21,150 [6.2]	6,450 [1.9]	11.40	13.00	73	1,025 [484]
	RCFL-H*3621 (RGRM-06?MAE?)	27,800 [8.1]	21,350 [6.3]	6,450 [1.9]	11.60	13.50	73	1,000 [472]
	RCFL-H*3621 (RGRM-07?YBG?)	27,400 [8.0]	20,800 [6.1]	6,600 [1.9]	11.35	13.00	73	975 [460]
	RBHP-21 (RCHL-36A1)	27,400 [8.0]	20,150 [5.9]	7,250 [2.1]	12.15	14.00	73	1,000 [472]
	RCHL-36A1 (UGFD-06?MCK?)	27,000 [7.9]	19,900 [5.8]	7,100 [2.1]	11.25	13.00	73	1,000 [472]
	RCHL-36A1 (UGFD-07?MCK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.50	13.00	73	1,000 [472]
	RCHL-36A1 (UGGD-06?MCK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.65	13.50	73	1,000 [472]
	RCHL-36A1 (UGGD-07?MCK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.55	13.50	73	1,020 [481]
	RCHL-36A1 (UGJD-06?MCK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.65	13.50	73	1,000 [472]
	RCHL-36A1 (UGJD-07?MCK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.55	13.50	73	1,020 [481]
	RCHL-36A1 (UGLR-07?AMK?)	27,400 [8.0]	20,200 [5.9]	7,200 [2.1]	11.80	13.50	73	1,025 [484]
	RCHL-36A1 (UGLR-07?BRQ?)	27,400 [8.0]	20,150 [5.9]	7,250 [2.1]	12.15	14.00	73	1,000 [472]
	RCHL-36A1 (UGPR-05?BMK?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.45	13.00	73	1,000 [472]
	RCHL-36A1 (UGPR-07?AMK?)	27,200 [8.0]	20,000 [5.9]	7,200 [2.1]	11.75	13.50	73	1,000 [472]
	RCHL-36A1 (UGPR-07?BRQ?)	27,400 [8.0]	20,150 [5.9]	7,250 [2.1]	12.15	14.00	73	1,000 [472]
	RCHL-36A1 (RGRM-06?MAE?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.55	13.50	73	1,000 [472]
	RCHL-36A1 (RGRM-07?YBG?)	27,200 [8.0]	20,050 [5.9]	7,150 [2.1]	11.50	13.50	73	975 [460]
	RHKL-HM3617 (RCSL-H*3617)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.20	14.00	73	1,025 [484]
	RHLL-HM3617 (RCSL-H*3617)	28,000 [8.2]	21,450 [6.3]	6,550 [1.9]	12.30	14.00	73	1,000 [472]
	RHSL-HM3017 (RCSL-H*3617)	27,400 [8.0]	20,800 [6.1]	6,600 [1.9]	11.30	13.00	73	975 [460]

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]	
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER			
Rev. 6/11/09	RCFL-H*3617 ①	34,200 [10.0]	24,850 [7.3]	9,350 [2.7]	11.15	13.00	75	1,075 [507]	
	RCFL-A*3617	34,200 [10.0]	24,850 [7.3]	9,350 [2.7]	11.15	13.00	75	1,075 [507]	
	RCFL-A*3617 (UGFD-06?MCK?)	34,000 [10.0]	24,300 [7.1]	9,700 [2.8]	11.35	13.00	75	1,000 [472]	
	RCFL-A*3617 (UGFD-07?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
	RCFL-A*3617 (UGGD-06?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.55	13.50	75	1,000 [472]	
	RCFL-A*3617 (UGGD-07?MCK?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.50	13.50	75	1,025 [484]	
	RCFL-A*3617 (UGLR-07?AMK?)	34,400 [10.1]	24,700 [7.2]	9,700 [2.8]	11.80	14.00	75	1,025 [484]	
	RCFL-A*3617 (UGPR-05?BMK?)	34,000 [10.0]	24,250 [7.1]	9,750 [2.9]	11.45	13.50	75	1,000 [472]	
	RCFL-A*3617 (UGPR-07?AMK?)	34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.70	13.50	75	1,000 [472]	
	RCFL-A*3617 (RGRM-04?MAE?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.40	13.00	75	1,025 [484]	
	RCFL-A*3617 (RGRM-06?MAE?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
	RCFL-A*3617 (RGRM-07?MAE?)	34,000 [10.0]	24,400 [7.1]	9,600 [2.8]	11.15	13.00	75	1,025 [484]	
	RCFL-A*3621	34,200 [10.0]	24,850 [7.3]	9,350 [2.7]	11.15	13.00	75	1,075 [507]	
	RCFL-A*3621 (UGFD-06?MCK?)	34,000 [10.0]	24,250 [7.1]	9,750 [2.9]	11.35	13.00	75	1,000 [472]	
	RCFL-A*3621 (UGFD-07?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.55	13.50	75	1,000 [472]	
	RCFL-A*3621 (UGFD-09?ZCM?)	35,000 [10.3]	25,850 [7.6]	9,150 [2.7]	11.70	13.50	75	1,150 [543]	
	RCFL-A*3621 (UGFD-10?ZCM?)	35,000 [10.3]	26,000 [7.6]	9,000 [2.6]	11.55	13.50	75	1,175 [554]	
	RCFL-A*3621 (UGGD-06?MCK?)	34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.60	13.50	75	1,000 [472]	
	RCFL-A*3621 (UGGD-07?MCK?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.60	13.50	75	1,025 [484]	
	RCFL-A*3621 (UGGD-09?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.70	13.50	75	1,175 [554]	
	RCFL-A*3621 (UGGD-10?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.75	13.50	75	1,175 [554]	
	RCFL-A*3621 (UGLR-07?AMK?)	34,400 [10.1]	24,700 [7.2]	9,700 [2.8]	11.85	14.00	75	1,025 [484]	
	RCFL-A*3621 (UGLR-07?BRQ?)	35,400 [10.4]	26,600 [7.8]	8,800 [2.6]	11.85	14.00	75	1,225 [578]	
	RCFL-A*3621 (UGLR-10?BRM?)	35,400 [10.4]	26,450 [7.7]	8,950 [2.6]	11.90	14.00	75	1,200 [566]	
	RCFL-A*3621 (UGPR-05?BMK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
	RCFL-A*3621 (UGPR-07?AMK?)	34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.75	14.00	75	1,000 [472]	
	36	RCFL-A*3621 (UGPR-07?BRQ?)	35,400 [10.4]	26,450 [7.7]	8,950 [2.6]	11.90	14.00	75	1,200 [566]
		RCFL-A*3621 (UGPR-10?BRM?)	35,400 [10.4]	26,600 [7.8]	8,800 [2.6]	11.70	13.50	75	1,225 [578]
		RCFL-A*3621 (RGRM-04?MAE?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.40	13.50	75	1,025 [484]
		RCFL-A*3621 (RGRM-06?MAE?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]
		RCFL-A*3621 (RGRM-07?MAE?)	34,000 [10.0]	24,400 [7.1]	9,600 [2.8]	11.20	13.00	75	1,025 [484]
		RCFL-A*3621 (RGRM-07?YBG?)	33,800 [9.9]	24,000 [7.0]	9,800 [2.9]	11.30	13.00	75	975 [460]
		RCFL-A*3621 (RGRM-09?ZAJ?)	35,200 [10.3]	26,450 [7.7]	8,750 [2.6]	11.40	13.50	75	1,225 [578]
		RCFL-A*3621 (RGRM-10?ZAJ?)	34,800 [10.2]	25,700 [7.5]	9,100 [2.7]	11.50	13.50	75	1,150 [543]
		RCFL-H*3617 (UGFD-06?MCK?)	34,000 [10.0]	24,300 [7.1]	9,700 [2.8]	11.35	13.00	75	1,000 [472]
		RCFL-H*3617 (UGFD-07?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]
		RCFL-H*3617 (UGGD-06?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.55	13.50	75	1,000 [472]
		RCFL-H*3617 (UGGD-07?MCK?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.50	13.50	75	1,025 [484]
		RCFL-H*3617 (UGJD-06?MCK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.55	13.50	75	1,000 [472]
		RCFL-H*3617 (UGJD-07?MCK?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.50	13.50	75	1,025 [484]
RCFL-H*3617 (UGLR-07?AMK?)		34,400 [10.1]	24,700 [7.2]	9,700 [2.8]	11.80	14.00	75	1,025 [484]	
RCFL-H*3617 (UGPR-05?BMK?)		34,000 [10.0]	24,250 [7.1]	9,750 [2.9]	11.45	13.50	75	1,000 [472]	
RCFL-H*3617 (UGPR-07?AMK?)		34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.70	13.50	75	1,000 [472]	
RCFL-H*3617 (RGRM-04?MAE?)		34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.40	13.00	75	1,025 [484]	
RCFL-H*3617 (RGRM-06?MAE?)		34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
RCFL-H*3617 (RGRM-07?MAE?)		34,000 [10.0]	24,400 [7.1]	9,600 [2.8]	11.15	13.00	75	1,025 [484]	
RCFL-H*3621		34,200 [10.0]	24,850 [7.3]	9,350 [2.7]	11.15	13.00	75	1,075 [507]	
RCFL-H*3621 (UGFD-06?MCK?)		34,000 [10.0]	24,250 [7.1]	9,750 [2.9]	11.35	13.00	75	1,000 [472]	
RCFL-H*3621 (UGFD-07?MCK?)		34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.55	13.50	75	1,000 [472]	
RCFL-H*3621 (UGFD-09?ZCM?)		35,000 [10.3]	25,850 [7.6]	9,150 [2.7]	11.70	13.50	75	1,150 [543]	
RCFL-H*3621 (UGFD-10?ZCM?)		35,000 [10.3]	26,000 [7.6]	9,000 [2.6]	11.55	13.50	75	1,175 [554]	
RCFL-H*3621 (UGGD-06?MCK?)		34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.60	13.50	75	1,000 [472]	
RCFL-H*3621 (UGGD-07?MCK?)		34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.60	13.50	75	1,025 [484]	

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]	
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER			
Rev. 6/11/09	RCFL-H*3621 (UGGD-09?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.70	13.50	75	1,175 [554]	
	RCFL-H*3621 (UGGD-10?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.75	13.50	75	1,175 [554]	
	RCFL-H*3621 (UGJD-06?MCK?)	34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.60	13.50	75	1,000 [472]	
	RCFL-H*3621 (UGJD-07?MCK?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.60	13.50	75	1,025 [484]	
	RCFL-H*3621 (UGJD-09?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.70	13.50	75	1,175 [554]	
	RCFL-H*3621 (UGJD-10?ZCM?)	35,200 [10.3]	26,200 [7.7]	9,000 [2.6]	11.75	13.50	75	1,175 [554]	
	RCFL-H*3621 (UGLR-07?AMK?)	34,400 [10.1]	24,700 [7.2]	9,700 [2.8]	11.85	14.00	75	1,025 [484]	
	RCFL-H*3621 (UGLR-07?BRQ?)	35,400 [10.4]	26,600 [7.8]	8,800 [2.6]	11.85	14.00	75	1,225 [578]	
	RCFL-H*3621 (UGLR-10?BRM?)	35,400 [10.4]	26,450 [7.7]	8,950 [2.6]	11.90	14.00	75	1,200 [566]	
	RCFL-H*3621 (UGPR-05?BMK?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
	RCFL-H*3621 (UGPR-07?AMK?)	34,200 [10.0]	24,400 [7.1]	9,800 [2.9]	11.75	14.00	75	1,000 [472]	
	RCFL-H*3621 (UGPR-07?BRQ?)	35,400 [10.4]	26,450 [7.7]	8,950 [2.6]	11.90	14.00	75	1,200 [566]	
	RCFL-H*3621 (UGPR-10?BRM?)	35,400 [10.4]	26,600 [7.8]	8,800 [2.6]	11.70	13.50	75	1,225 [578]	
	RCFL-H*3621 (RGRM-04?MAE?)	34,200 [10.0]	24,550 [7.2]	9,650 [2.8]	11.40	13.50	75	1,025 [484]	
	RCFL-H*3621 (RGRM-06?MAE?)	34,200 [10.0]	24,450 [7.2]	9,750 [2.9]	11.50	13.50	75	1,000 [472]	
	RCFL-H*3621 (RGRM-07?MAE?)	34,000 [10.0]	24,400 [7.1]	9,600 [2.8]	11.20	13.00	75	1,025 [484]	
	RCFL-H*3621 (RGRM-07?YBG?)	33,800 [9.9]	24,000 [7.0]	9,800 [2.9]	11.30	13.00	75	975 [460]	
	RCFL-H*3621 (RGRM-09?ZAJ?)	35,200 [10.3]	26,450 [7.7]	8,750 [2.6]	11.40	13.00	75	1,225 [578]	
	RCFL-H*3621 (RGRM-10?ZAJ?)	34,800 [10.2]	25,700 [7.5]	9,100 [2.7]	11.50	13.50	75	1,150 [543]	
	RBHP-21 (RCHL-36A1)		33,800 [9.9]	24,550 [7.2]	9,250 [2.7]	11.35	13.50	75	1,200 [566]
	RCHL-36A1 (UGFD-09?ZCM?)		33,400 [9.8]	24,000 [7.0]	9,400 [2.8]	11.15	13.00	75	1,150 [543]
	RCHL-36A1 (UGFD-10?ZCM?)		33,600 [9.8]	24,400 [7.1]	9,200 [2.7]	11.10	13.00	75	1,175 [554]
	RCHL-36A1 (UGGD-09?ZCM?)		33,800 [9.9]	24,600 [7.2]	9,200 [2.7]	11.25	13.50	75	1,175 [554]
	RCHL-36A1 (UGGD-10?ZCM?)		33,800 [9.9]	24,600 [7.2]	9,200 [2.7]	11.25	13.50	75	1,175 [554]
	RCHL-36A1 (UGJD-09?ZCM?)		33,800 [9.9]	24,600 [7.2]	9,200 [2.7]	11.25	13.50	75	1,175 [554]
	RCHL-36A1 (UGJD-10?ZCM?)		33,800 [9.9]	24,600 [7.2]	9,200 [2.7]	11.25	13.50	75	1,175 [554]
	RCHL-36A1 (UGLR-07?AMK?)		33,600 [9.8]	24,450 [7.2]	9,150 [2.7]	10.95	13.00	75	1,200 [566]
	RCHL-36A1 (UGLR-07?BRQ?)		33,800 [9.9]	24,550 [7.2]	9,250 [2.7]	11.30	13.50	75	1,225 [578]
	RCHL-36A1 (UGLR-10?BRM?)		33,800 [9.9]	24,550 [7.2]	9,250 [2.7]	11.35	13.50	75	1,200 [566]
	RCHL-36A1 (UGPR-07?AMK?)		33,600 [9.8]	24,450 [7.2]	9,150 [2.7]	10.90	13.00	75	1,200 [566]
	RCHL-36A1 (UGPR-07?BRQ?)		33,800 [9.9]	24,550 [7.2]	9,250 [2.7]	11.35	13.50	75	1,200 [566]
	RCHL-36A1 (UGPR-10?BRM?)		33,800 [9.9]	24,600 [7.2]	9,200 [2.7]	11.20	13.50	75	1,225 [578]
RCHL-36A1 (RGRM-09?ZAJ?)		33,400 [9.8]	24,250 [7.1]	9,150 [2.7]	10.85	13.00	75	1,225 [578]	
RHKL-HM3617 (RCSL-H*3617)		35,400 [10.4]	26,600 [7.8]	8,800 [2.6]	11.80	14.00	75	1,225 [578]	
RHLL-HM3617 (RCSL-H*3617)		35,400 [10.4]	26,450 [7.7]	8,950 [2.6]	12.00	14.00	75	1,200 [566]	
RHSL-HM3617 (RCSL-H*3617)		34,200 [10.0]	24,850 [7.3]	9,350 [2.7]	11.15	13.00	75	1,100 [519]	
RHSL-HM3621 (RCSL-H*3621)		34,400 [10.1]	25,250 [7.4]	9,150 [2.7]	11.15	13.00	75	1,125 [531]	
42	RCFL-H*4821 ①	41,000 [12.0]	30,550 [9.0]	10,450 [3.1]	11.05	13.00	77	1,400 [661]	
	RCFL-A*4821	41,000 [12.0]	30,550 [9.0]	10,450 [3.1]	11.05	13.00	77	1,400 [661]	
	RCFL-A*4821 (UGFD-06?MCK?)	40,000 [11.7]	28,300 [8.3]	11,700 [3.4]	11.00	13.00	77	1,175 [554]	
	RCFL-A*4821 (UGFD-09?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.35	13.00	77	1,325 [625]	
	RCFL-A*4821 (UGFD-10?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.25	13.00	77	1,325 [625]	
	RCFL-A*4821 (UGGD-06?MCK?)	40,500 [11.9]	29,000 [8.5]	11,500 [3.4]	11.15	13.00	77	1,225 [578]	
	RCFL-A*4821 (UGGD-07?MCK?)	40,500 [11.9]	29,050 [8.5]	11,450 [3.4]	11.05	13.00	77	1,225 [578]	
	RCFL-A*4821 (UGGD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.30	13.00	77	1,425 [672]	
	RCFL-A*4821 (UGGD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]	
	RCFL-A*4821 (UGLR-07?AMK?)	40,500 [11.9]	28,800 [8.4]	11,700 [3.4]	11.45	13.50	77	1,200 [566]	
	RCFL-A*4821 (UGLR-07?BRQ?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.85	14.00	77	1,225 [578]	
	RCFL-A*4821 (UGLR-10?BRM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.75	13.50	77	1,375 [649]	
	RCFL-A*4821 (UGPR-05?BMK?)	40,500 [11.9]	28,900 [8.5]	11,600 [3.4]	11.05	13.00	77	1,200 [566]	
	RCFL-A*4821 (UGPR-07?AMK?)	40,500 [11.9]	28,800 [8.4]	11,700 [3.4]	11.40	13.50	77	1,200 [566]	
	RCFL-A*4821 (UGPR-07?BRQ?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.70	13.50	77	1,400 [661]	
	RCFL-A*4821 (UGPR-10?BRM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.45	13.50	77	1,425 [672]	
	RCFL-A*4821 (RGRM-09?ZAJ?)	40,500 [11.9]	28,950 [8.5]	11,550 [3.4]	11.40	13.50	77	1,225 [578]	

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCFL-A*4824	41,000 [12.0]	30,550 [9.0]	10,450 [3.1]	11.05	13.00	77	1,400 [661]
	RCFL-A*4824 (UGFD-09?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.35	13.00	77	1,325 [625]
	RCFL-A*4824 (UGFD-10?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.20	13.00	77	1,325 [625]
	RCFL-A*4824 (UGFD-12?RCM?)	41,500 [12.2]	31,400 [9.2]	10,100 [3.0]	11.35	13.00	77	1,475 [696]
	RCFL-A*4824 (UGGD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.30	13.00	77	1,425 [672]
	RCFL-A*4824 (UGGD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-A*4824 (UGGD-12?RCM?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.80	14.00	77	1,225 [578]
	RCFL-A*4824 (UGLR-07?BRQ?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.85	14.00	77	1,225 [578]
	RCFL-A*4824 (UGLR-10?BRM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.75	13.50	77	1,375 [649]
	RCFL-A*4824 (UGLR-12?ARM?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.90	14.00	77	1,225 [578]
	RCFL-A*4824 (UGPR-07?BRQ?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.65	13.50	77	1,400 [661]
	RCFL-A*4824 (UGPR-10?BRM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.45	13.50	77	1,425 [672]
	RCFL-A*4824 (UGPR-12?ARM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.70	13.50	77	1,400 [661]
	RCFL-A*4824 (RGRM-09?ZAJ?)	40,500 [11.9]	28,950 [8.5]	11,550 [3.4]	11.40	13.00	77	1,225 [578]
	RCFL-H*4821 (UGFD-06?MCK?)	40,000 [11.7]	28,300 [8.3]	11,700 [3.4]	11.00	13.00	77	1,175 [554]
	RCFL-H*4821 (UGFD-09?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.35	13.00	77	1,325 [625]
	RCFL-H*4821 (UGFD-10?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.25	13.00	77	1,325 [625]
	RCFL-H*4821 (UGGD-06?MCK?)	40,500 [11.9]	29,000 [8.5]	11,500 [3.4]	11.15	13.00	77	1,225 [578]
	RCFL-H*4821 (UGGD-07?MCK?)	40,500 [11.9]	29,050 [8.5]	11,450 [3.4]	11.05	13.00	77	1,225 [578]
	RCFL-H*4821 (UGGD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.30	13.00	77	1,425 [672]
	RCFL-H*4821 (UGGD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-H*4821 (UGJD-06?MCK?)	40,500 [11.9]	29,000 [8.5]	11,500 [3.4]	11.15	13.00	77	1,225 [578]
	RCFL-H*4821 (UGJD-07?MCK?)	40,500 [11.9]	29,050 [8.5]	11,450 [3.4]	11.10	13.00	77	1,225 [578]
	RCFL-H*4821 (UGJD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-H*4821 (UGJD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-H*4821 (UGLR-07?AMK?)	40,500 [11.9]	28,800 [8.4]	11,700 [3.4]	11.45	13.50	77	1,200 [566]
	RCFL-H*4821 (UGLR-07?BRQ?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.85	14.00	77	1,225 [578]
	RCFL-H*4821 (UGLR-10?BRM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.75	13.50	77	1,375 [649]
	RCFL-H*4821 (UGPR-05?BMK?)	40,500 [11.9]	28,900 [8.5]	11,600 [3.4]	11.05	13.00	77	1,200 [566]
	RCFL-H*4821 (UGPR-07?AMK?)	40,500 [11.9]	28,800 [8.4]	11,700 [3.4]	11.40	13.50	77	1,200 [566]
	RCFL-H*4821 (UGPR-07?BRQ?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.70	13.50	77	1,400 [661]
	RCFL-H*4821 (UGPR-10?BRM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.45	13.50	77	1,425 [672]
	RCFL-H*4821 (RGRM-09?ZAJ?)	40,500 [11.9]	28,950 [8.5]	11,550 [3.4]	11.40	13.50	77	1,225 [578]
	RCFL-H*4824	41,000 [12.0]	30,550 [9.0]	10,450 [3.1]	11.05	13.00	77	1,400 [661]
	RCFL-H*4824 (UGFD-09?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.35	13.00	77	1,325 [625]
	RCFL-H*4824 (UGFD-10?ZCM?)	41,000 [12.0]	30,050 [8.8]	10,950 [3.2]	11.20	13.00	77	1,325 [625]
	RCFL-H*4824 (UGFD-12?RCM?)	41,500 [12.2]	31,400 [9.2]	10,100 [3.0]	11.35	13.00	77	1,475 [696]
	RCFL-H*4824 (UGGD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.30	13.00	77	1,425 [672]
	RCFL-H*4824 (UGGD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-H*4824 (UGGD-12?RCM?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.80	14.00	77	1,225 [578]
	RCFL-H*4824 (UGJD-09?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
	RCFL-H*4824 (UGJD-10?ZCM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.35	13.00	77	1,425 [672]
RCFL-H*4824 (UGJD-12?RCM?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.85	14.00	77	1,225 [578]	
RCFL-H*4824 (UGLR-07?BRQ?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.85	14.00	77	1,225 [578]	
RCFL-H*4824 (UGLR-10?BRM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.75	13.50	77	1,375 [649]	
RCFL-H*4824 (UGLR-12?ARM?)	41,000 [12.0]	29,350 [8.6]	11,650 [3.4]	11.90	14.00	77	1,225 [578]	
RCFL-H*4824 (UGPR-07?BRQ?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.65	13.50	77	1,400 [661]	
RCFL-H*4824 (UGPR-10?BRM?)	41,500 [12.2]	30,950 [9.1]	10,550 [3.1]	11.45	13.50	77	1,425 [672]	
RCFL-H*4824 (UGPR-12?ARM?)	41,500 [12.2]	30,900 [9.1]	10,600 [3.1]	11.70	13.50	77	1,400 [661]	
RCFL-H*4824 (RGRM-09?ZAJ?)	40,500 [11.9]	28,950 [8.5]	11,550 [3.4]	11.40	13.00	77	1,225 [578]	
RCHL-48A1	39,000 [11.4]	27,950 [8.2]	11,050 [3.2]	10.50	13.00	77	1,400 [661]	
RBHP-24 (RCHL-48A1)	40,000 [11.7]	28,750 [8.4]	11,250 [3.3]	11.60	14.00	77	1,400 [661]	
RCHL-48A1 (UGFD-09?ZCM?)	39,000 [11.4]	27,500 [8.1]	11,500 [3.4]	10.95	13.00	77	1,325 [625]	

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCHL-48A1 (UGFD-10?ZCM?)	39,000 [11.4]	27,550 [8.1]	11,450 [3.4]	10.80	13.00	77	1,325 [625]
	RCHL-48A1 (UGFD-12?RCM?)	39,500 [11.6]	28,800 [8.4]	10,700 [3.1]	10.90	13.00	77	1,475 [696]
	RCHL-48A1 (UGGD-09?ZCM?)	39,000 [11.4]	27,900 [8.2]	11,100 [3.3]	10.90	13.00	77	1,425 [672]
	RCHL-48A1 (UGGD-10?ZCM?)	39,500 [11.6]	28,400 [8.3]	11,100 [3.3]	10.95	13.50	77	1,425 [672]
	RCHL-48A1 (UGGD-12?RCM?)	39,500 [11.6]	28,650 [8.4]	10,850 [3.2]	11.15	13.50	77	1,450 [684]
	RCHL-48A1 (UGJD-09?ZCM?)	39,000 [11.4]	27,900 [8.2]	11,100 [3.3]	10.90	13.00	77	1,425 [672]
	RCHL-48A1 (UGJD-10?ZCM?)	39,500 [11.6]	28,400 [8.3]	11,100 [3.3]	10.95	13.50	77	1,425 [672]
	RCHL-48A1 (UGJD-12?RCM?)	39,500 [11.6]	28,650 [8.4]	10,850 [3.2]	11.15	13.50	77	1,450 [684]
	RCHL-48A1 (UGLR-07?BRQ?)	39,500 [11.6]	28,350 [8.3]	11,150 [3.3]	11.20	13.50	77	1,425 [672]
	RCHL-48A1 (UGLR-10?BRM?)	39,500 [11.6]	28,300 [8.3]	11,200 [3.3]	11.30	13.50	77	1,375 [649]
	RCHL-48A1 (UGLR-12?ARM?)	39,500 [11.6]	28,350 [8.3]	11,150 [3.3]	11.25	13.50	77	1,425 [672]
	RCHL-48A1 (UGPR-07?BRQ?)	39,500 [11.6]	28,350 [8.3]	11,150 [3.3]	11.25	13.50	77	1,400 [661]
	RCHL-48A1 (UGPR-10?BRM?)	39,500 [11.6]	28,400 [8.3]	11,100 [3.3]	11.05	13.50	77	1,425 [672]
	RCHL-48A1 (UGPR-12?ARM?)	39,500 [11.6]	28,350 [8.3]	11,150 [3.3]	11.25	13.50	77	1,400 [661]
	RCHL-48A1 (RGRM-09?ZAJ?)	39,000 [11.4]	28,000 [8.2]	11,000 [3.2]	10.65	13.00	77	1,400 [661]
	RCHL-48A1 (RGRM-12?RAJ?)	39,500 [11.6]	28,400 [8.3]	11,100 [3.3]	10.95	13.50	77	1,425 [672]
	RHKL-HM4821 (RCSL-H*4821)	42,000 [12.3]	31,350 [9.2]	10,650 [3.1]	11.90	14.00	77	1,400 [661]
	RHLL-HM4821 (RCSL-H*4821)	42,000 [12.3]	31,350 [9.2]	10,650 [3.1]	11.95	14.00	77	1,400 [661]
RHSL-HM4221 (RCSL-H*4821)	41,000 [12.0]	30,250 [8.9]	10,750 [3.1]	11.00	13.00	77	1,350 [637]	
42	RCFL-H*4821 ①	46,500 [13.6]	34,050 [10.0]	12,450 [3.6]	11.20	13.00	77	1,500 [708]
	RCFL-A*4821	46,500 [13.6]	34,050 [10.0]	12,450 [3.6]	11.20	13.00	77	1,500 [708]
	RCFL-A*4821 (UGFD-09?ZCM?)	46,000 [13.5]	32,400 [9.5]	13,600 [4.0]	11.35	13.00	77	1,325 [625]
	RCFL-A*4821 (UGFD-10?ZCM?)	45,500 [13.3]	31,950 [9.4]	13,550 [4.0]	11.25	13.00	77	1,325 [625]
	RCFL-A*4821 (UGGD-09?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.35	13.00	77	1,425 [672]
	RCFL-A*4821 (UGGD-10?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.40	13.00	77	1,425 [672]
	RCFL-A*4821 (UGLR-07?BRQ?)	46,500 [13.6]	33,500 [9.8]	13,000 [3.8]	11.65	13.50	77	1,425 [672]
	RCFL-A*4821 (UGLR-10?BRM?)	46,500 [13.6]	33,150 [9.7]	13,350 [3.9]	11.70	13.50	77	1,375 [649]
	RCFL-A*4821 (UGPR-07?BRQ?)	46,500 [13.6]	33,300 [9.8]	13,200 [3.9]	11.70	13.50	77	1,400 [661]
	RCFL-A*4821 (UGPR-10?BRM?)	46,500 [13.6]	33,500 [9.8]	13,000 [3.8]	11.50	13.50	77	1,425 [672]
	RCFL-A*4821 (RGRM-09?ZAJ?)	46,000 [13.5]	32,950 [9.7]	13,050 [3.8]	11.15	13.00	77	1,400 [661]
	RCFL-A*4821 (RGRM-10?ZAJ?)	46,000 [13.5]	33,150 [9.7]	12,850 [3.8]	11.10	13.00	77	1,425 [672]
	RCFL-A*4824	46,500 [13.6]	34,050 [10.0]	12,450 [3.6]	11.20	13.00	77	1,500 [708]
	RCFL-A*4824 (UGFD-09?ZCM?)	45,500 [13.3]	31,900 [9.3]	13,600 [4.0]	11.35	13.00	77	1,325 [625]
	RCFL-A*4824 (UGFD-10?ZCM?)	45,500 [13.3]	31,950 [9.4]	13,550 [4.0]	11.25	13.00	77	1,325 [625]
	RCFL-A*4824 (UGFD-12?RCM?)	47,000 [13.8]	35,550 [10.4]	11,450 [3.4]	11.30	13.00	77	1,650 [779]
	RCFL-A*4824 (UGGD-09?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.35	13.00	77	1,425 [672]
	RCFL-A*4824 (UGGD-10?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.40	13.00	77	1,425 [672]
	RCFL-A*4824 (UGGD-12?RCM?)	46,500 [13.6]	33,650 [9.9]	12,850 [3.8]	11.60	13.50	77	1,450 [684]
	RCFL-A*4824 (UGLR-07?BRQ?)	46,500 [13.6]	33,500 [9.8]	13,000 [3.8]	11.65	13.50	77	1,425 [672]
	RCFL-A*4824 (UGLR-10?BRM?)	46,500 [13.6]	33,150 [9.7]	13,350 [3.9]	11.70	13.50	77	1,375 [649]
	RCFL-A*4824 (UGLR-12?ARM?)	46,500 [13.6]	33,450 [9.8]	13,050 [3.8]	11.70	13.50	77	1,425 [672]
	RCFL-A*4824 (UGPR-07?BRQ?)	46,500 [13.6]	33,300 [9.8]	13,200 [3.9]	11.70	13.50	77	1,400 [661]
	RCFL-A*4824 (UGPR-10?BRM?)	46,500 [13.6]	33,500 [9.8]	13,000 [3.8]	11.50	13.50	77	1,425 [672]
	RCFL-A*4824 (UGPR-12?ARM?)	46,500 [13.6]	33,300 [9.8]	13,200 [3.9]	11.70	13.50	77	1,400 [661]
	RCFL-A*4824 (RGRM-09?ZAJ?)	46,000 [13.5]	32,950 [9.7]	13,050 [3.8]	11.15	13.00	77	1,400 [661]
	RCFL-A*4824 (RGRM-10?ZAJ?)	46,000 [13.5]	33,150 [9.7]	12,850 [3.8]	11.10	13.00	77	1,425 [672]
	RCFL-A*4824 (RGRM-12?RAJ?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.40	13.00	77	1,425 [672]
	RCFL-H*4821 (UGFD-09?ZCM?)	46,000 [13.5]	32,400 [9.5]	13,600 [4.0]	11.35	13.00	77	1,325 [625]
	RCFL-H*4821 (UGFD-10?ZCM?)	45,500 [13.3]	31,950 [9.4]	13,550 [4.0]	11.25	13.00	77	1,325 [625]
	RCFL-H*4821 (UGGD-09?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.35	13.00	77	1,425 [672]
	RCFL-H*4821 (UGGD-10?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.40	13.00	77	1,425 [672]
	RCFL-H*4821 (UGJD-09?ZCM?)	46,000 [13.5]	33,050 [9.7]	12,950 [3.8]	11.40	13.00	77	1,425 [672]

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
Outdoor Unit 13AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Rev. 6/11/09	RCFL-H*6024 ①	56,500 [16.6]	39,100 [11.5]	17,400 [5.1]	11.10	13.00	77	1,550 [731]
	RCFL-A*6024	56,500 [16.6]	39,100 [11.5]	17,400 [5.1]	11.10	13.00	77	1,550 [731]
60	RCFL-A*6024 (UGFD-12?RCM?)	57,500 [16.8]	40,750 [11.9]	16,750 [4.9]	11.10	13.00	77	1,650 [779]
	RCFL-A*6024 (UGGD-12?RCM?)	57,500 [16.8]	40,800 [12.0]	16,700 [4.9]	11.10	13.00	77	1,650 [779]
	RCFL-A*6024 (UGLR-07?BRQ?)	57,500 [16.8]	40,550 [11.9]	16,950 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-A*6024 (UGLR-10?BRM?)	57,000 [16.7]	39,450 [11.6]	17,550 [5.1]	11.10	13.00	77	1,575 [743]
	RCFL-A*6024 (UGLR-12?ARM?)	57,500 [16.8]	40,300 [11.8]	17,200 [5.0]	11.10	13.00	77	1,600 [755]
	RCFL-A*6024 (UGPR-07?BRQ?)	57,500 [16.8]	40,550 [11.9]	16,950 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-A*6024 (UGPR-10?BRM?)	57,000 [16.7]	40,100 [11.7]	16,900 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-A*6024 (UGPR-12?ARM?)	57,000 [16.7]	39,450 [11.6]	17,550 [5.1]	11.10	13.00	77	1,575 [743]
	RCFL-H*6024 (UGFD-12?RCM?)	57,500 [16.8]	40,750 [11.9]	16,750 [4.9]	11.10	13.00	77	1,650 [779]
	RCFL-H*6024 (UGGD-12?RCM?)	57,500 [16.8]	40,800 [12.0]	16,700 [4.9]	11.10	13.00	77	1,650 [779]
	RCFL-H*6024 (UGJD-12?RCM?)	57,500 [16.8]	40,800 [12.0]	16,700 [4.9]	11.10	13.00	77	1,650 [779]
	RCFL-H*6024 (UGLR-07?BRQ?)	57,500 [16.8]	40,550 [11.9]	16,950 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-H*6024 (UGLR-10?BRM?)	57,000 [16.7]	39,450 [11.6]	17,550 [5.1]	11.10	13.00	77	1,575 [743]
	RCFL-H*6024 (UGLR-12?ARM?)	57,500 [16.8]	40,300 [11.8]	17,200 [5.0]	11.10	13.00	77	1,600 [755]
	RCFL-H*6024 (UGPR-07?BRQ?)	57,500 [16.8]	40,550 [11.9]	16,950 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-H*6024 (UGPR-10?BRM?)	57,000 [16.7]	40,100 [11.7]	16,900 [5.0]	11.10	13.00	77	1,625 [767]
	RCFL-H*6024 (UGPR-12?ARM?)	57,000 [16.7]	39,450 [11.6]	17,550 [5.1]	11.10	13.00	77	1,575 [743]
	RBHP-25 (RCHL-60A1)		54,500 [16.0]	36,650 [10.7]	17,850 [5.2]	11.15	13.00	77
RHKL-HM6024 (RCSL-H*6024)		58,000 [17.0]	40,000 [11.7]	18,000 [5.3]	11.80	13.50	77	1,800 [849]
RHLL-HM6024 (RCSL-H*6024)		58,000 [17.0]	40,050 [11.7]	17,950 [5.3]	11.85	13.50	77	1,800 [849]

① Highest sales volume tested combination required by D.O.E. test procedures.

[] Designates Metric Conversions

Electrical and Physical Data

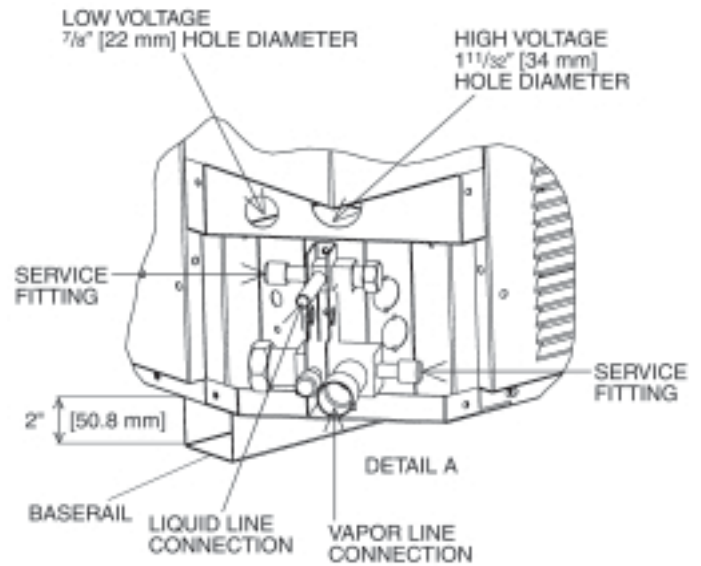
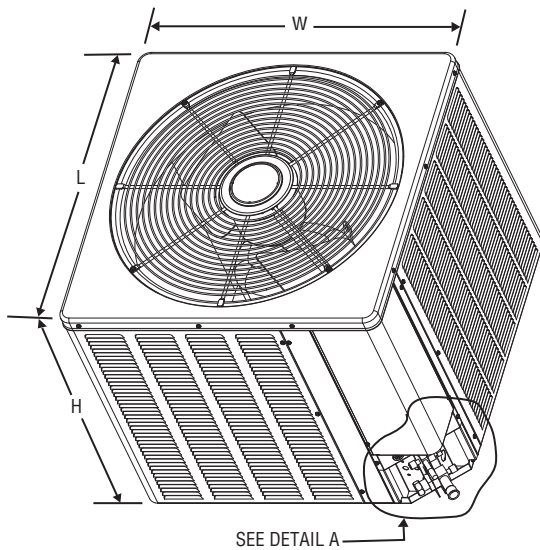
Model Number 13AJM	ELECTRICAL							PHYSICAL					
	Phase Frequency [HZ] Voltage [Volts]	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrigerant Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m ²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
Rev. 6/11/09													
18	1-60-208/230	9/9	48	0.6	12/12	15/15	20/20	8.43 [0.78]	1	1675 [790]	75 [2132]	120 [54.4]	128 [58.1]
24	1-60-208/230	13.5/13.5	58.3	0.6	18/18	25/25	30/30	8.43 [0.78]	1	1665 [786]	74 [2092]	121 [54.9]	129 [58.5]
30	1-60-208/230	12.8/12.8	73	0.6	17/17	20/20	25/25	10.29 [0.96]	1	2075 [979]	86 [2440]	135 [61.2]	143 [64.9]
36	1-60-208/230	16.7/16.7	79	0.8	22/22	30/30	35/35	12.43 [1.15]	1	2690 [1269]	96 [2722]	159 [72.1]	167 [75.8]
42	1-60-208/230	17.9/17.9	112	0.8	24/24	30/30	40/40	16.39 [1.52]	1	2980 [1406]	126 [3583]	218 [98.9]	230 [104.3]
48	1-60-208/230	21.8/21.8	117	0.8	29/29	35/35	45/45	21.85 [2.03]	1	3175 [1498]	144 [4082]	225 [102.1]	237 [107.5]
60	1-60-208/230	26.4/26.4	134	1.2	35/35	45/45	60/60	21.85 [2.03]	1	3570 [1685]	176 [4990]	223 [101.2]	234 [106.1]

NOTE: Factory Refrigerant Charge includes refrigerant for 15 feet of standard line set.

Unit Dimensions

Model No. 13AJM	Unit Dimensions		
	Width "W" Inches	Length "L" Inches	Height "H" Inches
18, 24	23 ⁵ / ₈ [600]	23 ⁵ / ₈ [600]	24 ¹ / ₄ [616]
30	27 ⁵ / ₈ [702]	27 ⁵ / ₈ [702]	24 ¹ / ₄ [616]
36, 42	31 ⁵ / ₈ [803]	31 ⁵ / ₈ [803]	27 ¹⁵ / ₁₆ [710]
48, 60	31 ⁵ / ₈ [803]	31 ⁵ / ₈ [803]	35 ¹⁵ / ₁₆ [913]

[] Designates Metric Conversions



Condensing Unit Refrigerant Line Size Information

Liquid Line Sizing (R-410A)														
System Capacity	Liquid Line Connection Size (Inch I.D.)	Line Size (Inch O.D.) [mm]	Liquid Line Size – Outdoor Unit Above Indoor Coil (Cooling Only—Does not apply to Heat Pumps)						Liquid Line Size – Outdoor Unit Below Indoor Coil					
			Total Equivalent Length—Feet [m]						Total Equivalent Length—Feet [m]					
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]
			Minimum Vertical Separation—Feet [m]						Maximum Vertical Separation—Feet [m]					
1 1/2 Ton	3/8" [9.53]	1/4 [6.35]	0	0	0	0	8 [2.44]	24 [7.32]	25 [7.62]	40 [12.19]	25 [7.62]	9 [2.74]	N/A	N/A
		5/16 [7.94]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	62 [18.90]	58 [17.68]	53 [16.15]	49 [14.94]
		3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	75 [22.86]	72 [21.95]	70 [21.34]	68 [20.73]
2 Ton	3/8" [9.53]	1/4 [6.35]	0	3 [0.91]	29 [8.84]	55 [16.76]	81 [24.69]	108 [32.92]	23 [7.01]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	0	0	0	0	0	0	25 [7.62]	36 [10.97]	29 [8.84]	23 [7.01]	16 [4.88]	9 [2.74]
		3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	72 [21.95]	70 [21.34]	68 [20.73]	65 [19.81]
2 1/2 Ton	3/8" [9.53]	1/4 [6.35]	0	14 [4.27]	56 [17.07]	98 [29.87]	N/A	N/A	25 [7.62]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	0	0	0	0	0	0	25 [7.62]	49 [14.94]	38 [11.58]	27 [8.23]	17 [5.18]	6 [1.83]
		3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	68 [20.73]	65 [19.81]	62 [18.90]	58 [17.68]
3 Ton	3/8" [9.53]	5/16 [7.94]	0	0	0	0	0	9 [2.74]	25 [7.62]	50 [15.24]	37 [11.28]	22 [6.71]	7 [2.13]	N/A
		3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	68 [20.73]	63 [19.20]	58 [17.68]	53 [16.15]
3 1/2 Ton	3/8" [9.53]	5/16 [7.94]	0	0	0	16 [4.88]	35 [10.67]	54 [16.46]	25 [7.62]	23 [7.01]	4 [1.22]	N/A	N/A	N/A
		3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	43 [13.11]	36 [10.97]	30 [9.14]	24 [7.32]
4 Ton	3/8" [9.53]	3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	46 [14.02]	38 [11.58]	30 [9.14]	22 [6.71]	15 [4.57]
		1/2 [12.57]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	56 [17.07]	55 [16.76]	53 [16.15]	52 [15.85]
5 Ton	3/8" [9.53]	3/8* [9.53]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	56 [17.07]	44 [13.41]	32 [9.75]	20 [6.10]
		1/2 [12.57]	0	0	0	0	0	0	25 [7.62]	50 [15.24]	75 [22.86]	81 [24.69]	79 [24.08]	76 [23.16]

NOTES: *Standard line size
N/A = Application not recommended.

Suction Line Length/Size versus Capacity Multiplier (R-410A)										
Unit Size		1 1/2 Ton	2 Ton	2 1/2 Ton	3 Ton	3 1/2 Ton	4 Ton	5 Ton		
Suction Line Connection Size		3/4" [19.05] I.D.				7/8" [22.23] I.D.				
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Optional 3/4" [19.05 mm] O.D. Standard*		5/8" [15.88 mm] O.D. Optional 3/4" [19.05 mm] O.D. Standard* 7/8" [22.23 mm] O.D. Optional		3/4" [19.05 mm] O.D. Optional 7/8" [22.23 mm] O.D. Standard*		7/8" [22.23 mm] O.D. Optional 1 1/8" [28.58 mm] O.D. Standard*		
25' [7.62]	Optional	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
	Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
	Optional	—	—	1.00	—	—	—	—	—	
50' [15.24]	Optional	.98	.98	.96	.98	.99	.99	.99	.99	
	Standard	.99	.99	.98	.99	.99	.99	.99	.99	
	Optional	—	—	.99	—	—	—	—	—	
100' [30.48]	Optional	.95	.95	.94	.96	.96	.96	.96	.97	
	Standard	.96	.96	.96	.97	.98	.98	.98	.98	
	Optional	—	—	.97	—	—	—	—	—	
150' [45.72]	Optional	.92	.92	.91	.94	.94	.95	.94	.94	
	Standard	.93	.94	.93	.95	.96	.96	.96	.97	
	Optional	—	—	.95	—	—	—	—	—	

NOTES: *Standard line size
Using suction line larger than shown in chart will result in poor oil return and is not recommended.

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BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or visit www.Ruud.com.

Condenser Coil leaks caused by
factory defectsFive (5) Years
Conditional Compressor*
(Registration Required)Ten (10) Years
Any Other Part.....Five (5) Years
Conditional Parts* (Registration Required)Ten (10) Years
*See Product Warranty Card for Details

Chas Roberts

AIR CONDITIONING & HEATING

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9828 North 19th Avenue
Phoenix, AZ 85021-1992

(520) 292-6858
4065 East Illinois Street
Tucson, AZ 85714-2106

www.ChasRoberts.com

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

**Ruud Heating,
Cooling and
Water Heating**

P.O. Box 17010, Fort Smith, AR 72917



"In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice."

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AIR CONDITIONING & HEATING

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Chas Roberts Air Conditioning is proud to be a family owned and operated business, serving Arizona since 1942.

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USER'S INFORMATION MANUAL

UPFLOW, DOWNFLOW, UPFLOW/HORIZONTAL & HORIZONTAL ONLY INDUCED DRAFT GAS FURNACES



Recognize this symbol as an indication of Important Safety Information!

▲ WARNING

If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury or loss of life.

▲ FOR YOUR SAFETY

- Do not store or use gasoline or other flammable vapors and liquids, or other combustible materials in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
 - Do not rely on smell alone to detect leaks. Due to various factors, you may not be able to smell fuel gases.
 - A U. L. recognized fuel gas and CO detector(s) are recommended in all applications, and their installation should be in accordance with the manufacturer's recommendations and/or local laws, rules, regulations or codes.
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

IMPORTANT: READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS FURNACE.

This furnace has been designed to give you many years of efficient, dependable home comfort. With regular maintenance, this furnace will operate satisfactorily year after year. Please read this manual to familiarize yourself with operation, routine maintenance schedule, and safety procedures.

▲ WARNING

DEVICES ATTACHED TO THE FLUE OR VENT FOR THE PURPOSE OF

REDUCING HEAT LOSS UP THE CHIMNEY, INCLUDING FIELD-INSTALLED DRAFT INDUCERS, HAVE NOT BEEN TESTED AND HAVE NOT BEEN INCLUDED IN THE DESIGN CERTIFICATION OF THIS FURNACE. WE, THE MANUFACTURER, CANNOT AND WILL NOT BE RESPONSIBLE FOR INJURY OR DAMAGE CAUSED BY THE USE OF SUCH UNTESTED AND/OR UNCERTIFIED DEVICES, ACCESSORIES OR COMPONENTS.

SAFETY

▲ WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

▲ WARNING

OBSTRUCTION OF THE AIR VENT ON AN LP (PROPANE) TANK REGULATOR CAN CAUSE EXPLOSION OR FIRE RESULTING IN PROPERTY DAMAGE, SEVERE PERSONAL INJURY OR DEATH. YOUR GAS SUPPLIER SHOULD PERIODICALLY INSPECT AND CLEAN THE AIR VENT SCREEN TO PREVENT ANY OBSTRUCTION. KEEP PROTECTIVE REGULATOR COVER IN PLACE, AS EXPOSURE TO THE ELEMENTS CAN CAUSE ICE BUILDUP AND REGULATOR FAILURE.

CAREFULLY FOLLOW THESE SAFETY RULES:

1. Combustible material must not be placed on or against the furnace jacket. The area around the furnace must be kept clear and free of all combustible materials including gasoline and other flammable vapors and liquids.
2. A furnace installed in an attic or other insulated space must be kept free and clear of insulating material. Examine the furnace area when installing the furnace or adding more insulation. Some materials may be combustible.
3. To prevent carbon monoxide poisoning, all blower doors and compartment covers must be replaced after the furnace is serviced. Do not operate the unit without all panels and doors securely in place.
4. Should overheating occur, or the gas valve fail to shut off the gas supply, turn off the manual gas valve to the furnace before turning off the electrical supply.
5. Any additions, changes or conversions required in order for the furnace to satisfactorily meet the application needs should be made by a qualified installer, service agency or the gas supplier, using factory specified or approved parts. Read your WARRANTY. Contact the WARRANTOR for conversion information. This furnace was equipped at the factory for use on NATURAL GAS ONLY. Conversion to L.P. GAS requires a special kit supplied by the WARRANTOR.
6. A furnace needs an adequate supply of combustion and ventilation air for proper and safe operation. Do not block or obstruct air openings on the furnace or air openings supplying the area where

DO NOT DESTROY. PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

the furnace is installed. Do not store anything around the furnace that could block the flow of fresh air to the unit. Your installation may receive air from the inside heated space., from the outside, from the

attic or crawl space. Whenever adding insulation, be sure the air supply openings are not covered.

7. Do not use this furnace if any part has been under water. Immediately

call a qualified installer, service agency or the gas supplier to inspect the furnace and to replace any part of the control system and any gas control which has been under water.

SYSTEM OPERATION INFORMATION

1. Keep the air filters clean. Your heating system will operate more efficiently and provide better heating, more economically.
2. Arrange your furniture and drapes so that the supply air registers and the return air grilles are unobstructed.
3. Close doors and windows. This will reduce the heating load on your system.
4. Avoid excessive use of kitchen exhaust fans.
5. Do not permit the heat generated by television, lamps, or radios to influence the thermostat operation.
6. If you desire to operate your system with constant air circulation, please ask advice from a qualified installer, service agency or the gas supplier.

During the heating season the operation of the warm air furnace is automatic. Your qualified installer, service agency or the gas supplier has provided a wall mounted thermostat which is sensitive to the change in temperature of the air moving around the thermostat. Your thermostat will have switches to select some or all of the following functions:

HEAT - Turns heating on when temperature drops below the desired temperature.

COOL - Turns cooling on when temperature rises above the desired temperature.

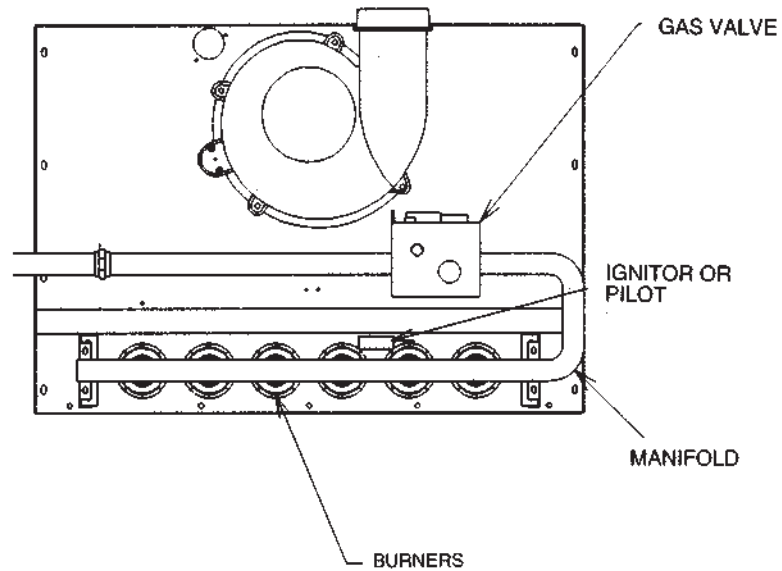
AUTO - Turns cooling or heating on as required to maintain the desired temperature.

OFF - Turns heating and cooling modes off. (The blower may still run in the FAN-ON position.)

FAN-ON - Turns the blower on for continuous operation.

FAN-AUTO - The blower cycles on and off with cooling or heating operation.

Figure 1. Burner Compartment, showing location of Gas Controls



FOR YOUR SAFETY READ BEFORE OPERATING

▲ WARNING

IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

NOTE: Read and follow the Safety Information, Operating Instructions and Instructions To Turn Off Gas To Appliance located on the furnace. This label will have specific information regarding the furnace and its gas controls.

TYPICAL GAS CONTROL VALVE

A. Gas valves and controls vary in appearance, but two basic types are standard.

STANDING PILOT

The gas control lever or knob has "ON," "OFF," "SET" and "PILOT" positions (see Figure 2A). This furnace has a pilot burner which must be lighted manually (by hand). When lighting the pilot burner, follow the instructions exactly. (See Lighting Instructions.)

ELECTRIC IGNITION

The gas control lever or knob has "ON" and "OFF" positions only (see

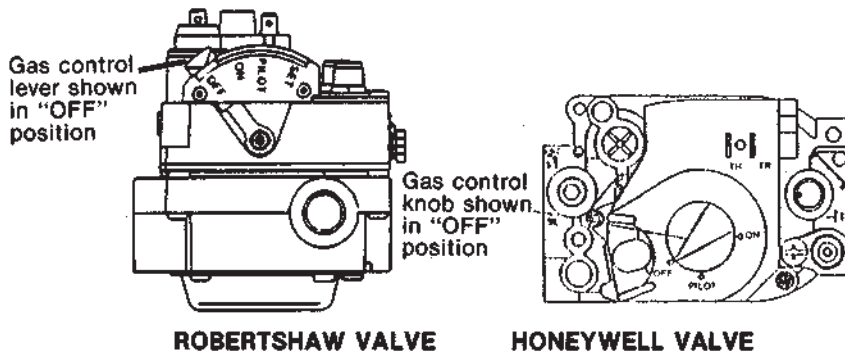
Figure 2B). This furnace is equipped with an ignition device which automatically lights the burners. Do **not** try to light the burners by hand.

B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.

Figure 2A. Manually Lit Pilot. Gas control has "ON," "OFF" and "PILOT" position.



NOTE: Lever cannot be moved from "ON" to "OFF" unless knob is pushed in slightly. Do not force.

- If you cannot reach your gas supplier, call the fire department.

LIGHTING INSTRUCTIONS (STANDING PILOT)

1. STOP! Read all safety information.
2. Set the thermostat to the lowest setting.
3. Turn off all electric power to the appliance.
4. Remove the control door.
5. Depress the gas control lever and move to the "OFF" position, or turn the gas control knob to the "OFF" position.

6. Wait five (5) minutes to clear out any gas then smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to the next step.
7. Find the pilot burner - follow the metal tube from the gas control. The pilot burner is located between the burner tubes.
8. HONEYWELL VALVE:
 - a. Turn the gas control knob counterclockwise to the pilot position.
 - b. Push down on the red pilot button and hold down while lighting pilot burner.

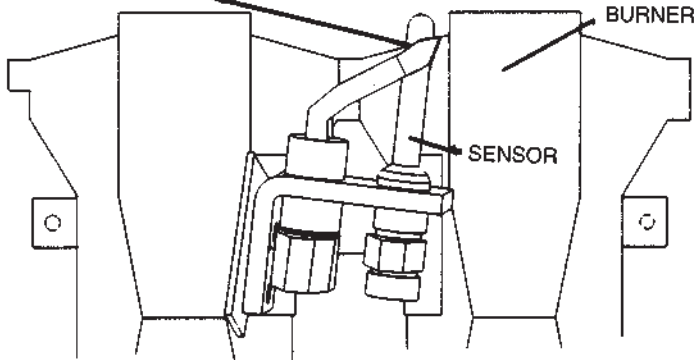
- c. Allow the pilot burner to burn approximately one-half minute before releasing the red pilot button. The pilot burner should remain lit. If it goes out, repeat steps 5 through 8. NOTE: If the red button does not pop up when released, or if pilot burner does not stay lit after several tries, turn the gas control to the "OFF" position and call your qualified installer, service agency or the gas supplier.

9. ROBERTSHAW VALVE:
 - a. Move the gas control lever to the pilot position.
 - b. Push and hold the gas control lever in the "SET" position while lighting the pilot burner.
 - c. Allow the pilot burner to burn approximately one-half minute before releasing the lever to the pilot position. The pilot burner should remain lit. If the pilot burner goes out, repeat steps 5, 6, 7 and 9. If the pilot burner does not stay lit after several tries, turn the control to "OFF" and call a qualified installer, service agency or the gas supplier.
10. Turn the gas control knob counterclockwise, or move the gas control lever to the "ON" position.
11. Replace control door.
12. Turn on all electric power to the appliance.
13. Set thermostat to desired setting.

TO TURN OFF GAS TO THE APPLIANCE

1. Set the thermostat to the lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Remove the control door.
4. Turn the gas control knob to the "OFF" position, or depress the gas control lever and move to the "OFF" position.
5. Replace control door.

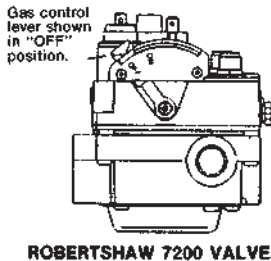
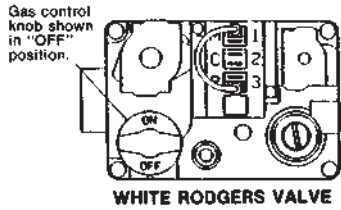
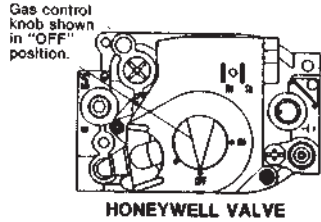
RELATIONSHIP OF PILOT FLAME TO SENSOR



OPERATING INSTRUCTIONS (HOT SURFACE IGNITION SYSTEM)

1. STOP! Read all safety information.
2. Set the thermostat to the lowest setting.

**Figure 2B. Hot Surface Ignition
No Pilot**



3. Turn off all electric power to the appliance.
4. This appliance does not have a pilot burner. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
5. Remove control door.
6. HONEYWELL OR WHITE ROGERS VALVE: Turn the gas control knob clockwise to "OFF" position.
ROBERTSHAW 7200 VALVE: Depress the gas control lever and move to "OFF" position.
7. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow 'B' in the safety information above. If you don't smell gas, go to the next step.

8. HONEYWELL VALVE: Turn on the gas to the main burners by turning the gas control knob counterclockwise to the "ON" position.
ROBERTSHAW 7200 VALVE: Move the gas control lever from the "OFF" to the "ON" position.
9. Replace the control door.
10. Turn on all electric power to the appliance.
11. Set the thermostat to the desired setting.
12. If the appliance will not operate, follow the instructions "To Turn Off Gas To The Appliance" and call your qualified installer, service agency or the gas supplier.

TO TURN OFF GAS TO THE APPLIANCE

1. Set the thermostat to the lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Remove the control door.
4. Turn the gas control knob to the "OFF" position, or depress the gas control lever and move to the "OFF" position.
5. Replace the control door.

FLAME ROLL-OUT SAFETY SWITCHES

This furnace is equipped with limit switches to protect against overtemperature conditions in the control compartment caused by inadequate combustion air supply. The switch is located just above the burners on the blower divider panel. Switches for the UPFLOW HORIZONTAL are located on both sides of the burner brackets and just above the burners on the blower divider panel. If a switch is tripped it must be manually reset. DO NOT jumper this switch. If this switch should trip, a qualified installer, service agency or the gas supplier should be called to check and/or correct for adequate combustion air supply.

MAINTENANCE

▲ WARNING

DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN CAUSE ELECTRICAL SHOCK RESULTING IN SEVERE PERSONAL INJURY OR DEATH.

▲ CAUTION

DO NOT OPERATE YOUR SYSTEM FOR EXTENDED PERIODS WITHOUT FILTERS. A PORTION OF THE DUST ENTRAINED IN THE AIR MAY TEMPORARILY LODGE IN THE AIR DUCT RUNS AND AT THE SUPPLY REGISTERS. ANY RECIRCULATED DUST PARTICLES WILL BE HEATED AND CHARRED BY CONTACT WITH THE FURNACE HEAT EXCHANGER. THIS RESIDUE WILL SOIL CEILINGS, WALLS, DRAPES, CARPETS, AND OTHER HOUSEHOLD ARTICLES.

IT IS RECOMMENDED THAT AN ANNUAL INSPECTION OF YOUR FURNACE BE DONE BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

FILTER MAINTENANCE

Have your qualified installer, service agency or the gas supplier instruct you on how to access your filters for regular maintenance.

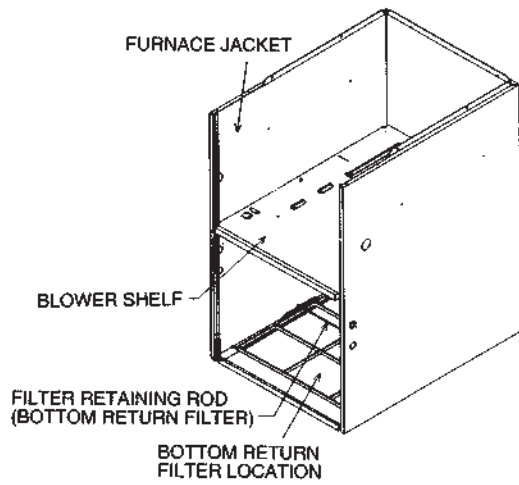
▲ WARNING

TURN OFF ELECTRICAL POWER TO FURNACE BEFORE REMOVING FRONT ACCESS DOOR. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK, SEVERE PERSONAL INJURY OR DEATH.

Keep air filters clean at all times. Vacuum dirt from filter, wash with detergent and water, air dry thoroughly and reinstall.

After filters are cleaned and returned to the furnace, be sure doors are properly reinstalled. If you are not totally sure of this procedure, consult a qualified installer, service agency or the gas supplier.

Figure 3. Upflow Filter Location



UPFLOW FILTER SIZES

FURNACE WIDTH	INPUT BTUH (K's)	SIZE		QTY.
		BOTTOM	SIDE	
14"	45 & 50	12 1/4" x 25"	15 3/4" x 25"	1
17 1/2"	67, 75 & 100	15 3/4" x 25"	15 3/4" x 25"	1
21"	100	19 1/4" x 25"	15 3/4" x 25"	1
24 1/2"	125 & 150	22 3/4" x 25"	15 3/4" x 25"	1

Figure 4. Upflow Side Filter Installation

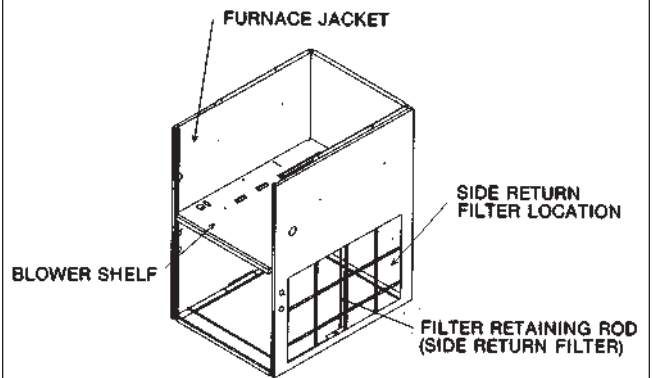
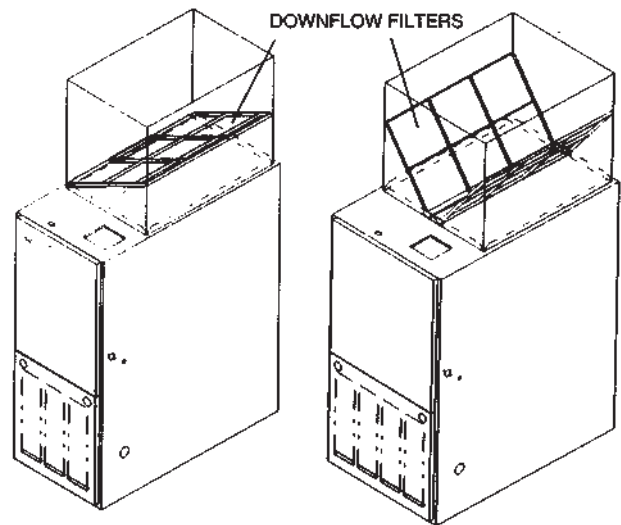


Figure 5. Downflow Filters Installation



DOWNFLOW FILTER SIZES

FURNACE WIDTH	INPUT BTUH (K)	SIZE	QTY.
14"	45 & 50	14" x 20"	1
17 1/2"	67, 75 & 100	12" x 20"	2
21"	100	12" x 20"	2
24 1/2"	125 & 150	14" x 20"	2

REMOVING FILTERS

UPFLOW FURNACE - FILTER IN BOTTOM LOCATION

1. Remove the blower compartment access door.
2. Disengage the filter retaining rod and pull filter out.
3. Clean filter and reinstall.

DOWNFLOW FURNACE - FILTERS IN TOP DUCT LOCATION

1. Remove the blower compartment access door.
2. Push up and in on the filters to disengage from retaining bracket and pull filters out.
3. Clean filter(s) and reinstall.

ROUTINE MAINTENANCE

Routine maintenance to be provided by a qualified installer, service agency or the gas supplier ONLY.

LUBRICATION

The blower motor and induced draft motor are prelubricated by the manufacturer and do not require further attention.

▲ WARNING

DISCONNECT MAIN ELECTRICAL POWER TO THE UNIT BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK, SEVERE PERSONAL INJURY OR DEATH.

The blower compartment and motor should be inspected and cleaned periodically by your qualified installer, service agency or the gas supplier to prevent the possibility of overheating due to an accumulation of dust and dirt on the windings or on the motor exterior. And, as suggested elsewhere in these instructions, the air filters should be kept clean because dirty filters can restrict airflow and the motor depends upon sufficient air flowing across and through it to keep from overheating

COMBUSTION AREA AND VENT SYSTEM

1. It is recommended that an annual inspection of your furnace be done by a qualified installer, service agency or the gas supplier.
2. Turn OFF the electrical supply to the furnace and remove the access doors.
3. Inspect the gas burners for dirt, rust, or scale.

▲ WARNING

IF DIRT, RUST, SOOT OR SCALE ACCUMULATIONS ARE PRESENT, DO NOT OPERATE THE FURNACE. INSPECT THE HEAT EXCHANGERS FOR LEAKS. LEAKS CAN CAUSE TOXIC FUMES TO ENTER THE HOME RESULTING IN CARBON MONOXIDE POISONING OR DEATH.

4. Inspect the the flue connection area and vent pipe. Be sure that the vent connector is in place and

slopes upward and is physically sound, without holes or excessive corrosion.

▲ WARNING

IF HOLES ARE FOUND IN THE VENT PIPE, OR IF IT HAS BECOME DISCONNECTED, TOXIC FUMES CAN ESCAPE INTO THE HOME RESULTING IN CARBON MONOXIDE POISONING OR DEATH. DO NOT OPERATE THIS FURNACE. APPROPRIATE SERVICE MUST BE APPLIED.

5. Be sure that the return air duct connections are physically sound, are sealed to the furnace casing and terminate outside the space containing the furnace.
6. Be sure the physical support of the furnace is sound, without sags, cracks, etc., around the base so as to provide a seal between the support and the base.
7. Look for obvious signs of deterioration of the furnace.
8. If the furnace is free of the above conditions, replace the access doors and restore electrical power to the furnace.
9. Start the furnace and observe its operation. Watch the burner flames to see if they are bright blue. If a suspected malfunction is observed, or the burner flames are not bright blue, apply appropriate service.

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LIMITED WARRANTY GUIDE							
MODEL	10-YEAR CONDITIONAL PARTS WARRANTY ²	LIMITED 5-YEAR PARTS WARRANTY ¹	10-YEAR COMPRESSOR WARRANTY ⁷	10-YEAR CONDITIONAL COMPRESSOR WARRANTY ⁶	10-YEAR CONDITIONAL UNIT REPLACEMENT WARRANTY ³	20-YEAR HEAT EXCHANGER WARRANTY ⁴	LIMITED LIFETIME HEAT EXCHANGER WARRANTY ⁵
AIR HANDLERS							
RBHP	✓	✓	—	—	—	—	—
RHKA	✓	✓	—	—	—	—	—
RHKL	✓	✓	—	—	—	—	—
RHLA	✓	✓	—	—	—	—	—
RHLL	✓	✓	—	—	—	—	—
RHSA	✓	✓	—	—	—	—	—
RHSL	✓	✓	—	—	—	—	—
COILS							
RCHL	✓	✓	—	—	—	—	—
RCFA	✓	✓	—	—	—	—	—
RCFL	✓	✓	—	—	—	—	—
RCFM	✓	✓	—	—	—	—	—
RCFN	✓	✓	—	—	—	—	—
RCQD	✓	✓	—	—	—	—	—
CONDENSING UNITS							
UAKB 3-phase	—	✓	—	—	—	—	—
UAND 3-phase	—	✓	—	—	—	—	—
UANL-*AZ	✓	✓	✓	—	—	—	—
UAPL-*AZ	✓	✓	✓	—	—	—	—
UAPM-*AZ	✓	✓	✓	—	—	—	—
13AJL	✓	✓	—	✓	—	—	—
14AJL	✓	✓	—	✓	—	—	—
13AJM	✓	✓	—	✓	—	—	—
14AJM	✓	✓	—	✓	—	—	—
13AJA	—	✓	—	—	—	—	—
HEAT PUMPS							
UPNE 3-phase	—	✓	—	—	—	—	—
UPNL-*AZ	✓	✓	✓	—	—	—	—
UPQL-*AZ	✓	✓	✓	—	—	—	—
13PJL	✓	✓	—	✓	—	—	—
14PJL	✓	✓	—	✓	—	—	—
14PJM	✓	✓	—	✓	—	—	—
13PJA	—	✓	—	—	—	—	—
GAS FURNACES							
UGLN	✓	✓	—	—	—	✓	—
UGLQ	✓	✓	—	—	—	✓	—
UGPN	✓	✓	—	—	—	✓	—
UGPQ	✓	✓	—	—	—	✓	—
UGRA	✓	✓	—	—	—	✓	—
UGRB	✓	✓	—	—	—	✓	—
UGRC	✓	✓	—	—	—	✓	—
UGRK	✓	✓	—	—	—	✓	—
UGRL	✓	✓	—	—	—	✓	—
UGRM	✓	✓	—	—	✓	✓	—
UGTA	✓	✓	—	—	—	✓	—
UGTC	✓	✓	—	—	—	✓	—
UGTK	✓	✓	—	—	—	✓	—
80LS	✓	✓	—	—	—	✓	—
80PS	✓	✓	—	—	—	✓	—
90RS	✓	✓	—	—	—	✓	—
90RT	✓	✓	—	—	—	✓	—
90TS	✓	✓	—	—	—	✓	—
OIL FURNACES							
UOBF	—	✓	—	—	—	—	✓
UOPF	—	✓	—	—	—	—	✓

¹ A Limited Parts Warranty of Five (5) Years after the Effective Date applies to the heating and cooling models noted above that are installed in residential applications. A Warranty Period of Five (5) Years after the Effective Date will apply to compressors in all three-phase products and all single phase products installed in commercial applications.

² A Conditional Parts Warranty of Ten (10) Years after the Effective Date applies to the models noted above, if the following additional conditions are satisfied:
a) coils and Air Handlers must be installed and properly matched with an outdoor unit from the Manufacturer, as specified by the Manufacturer and AHRI published ratings; AND
b) unit is installed in a residential application, is still owned by the original purchaser, in the original installation; AND
c) warranty is registered with the Manufacturer within 60 days of original installation or closing of the purchase of your residence. Product registration is available online at www.registermyunit.com. Please refer to the Limited Warranty Exclusions on the product warranty card for additional information.

³ A Conditional Unit Replacement Warranty of Ten (10) Years after the Effective Date applies to the models noted above, for the Manufacturer to provide a replacement model to the original purchaser if the heat exchanger fails during the first ten (10) years AND if the following additional conditions are satisfied:

a) unit is installed in a residential application, is still owned by the original purchaser, in the original installation; AND
b) warranty is registered with the Manufacturer within 60 days of original installation or closing of the purchase of your residence. Product registration is available online at www.registermyunit.com. Please refer to the Limited Warranty Exclusions on the product warranty card for additional information.

⁴ A Warranty Period of Twenty (20) Years after the Effective Date will apply on the heat exchangers for the models noted above that are installed in residential applications.

⁵ A Limited Lifetime Heat Exchanger Warranty applies to the models noted above that are installed in residential applications. The Manufacturer warrants the primary heat exchanger and the secondary heat exchanger (condensing coil) to the original owner for his or her lifetime, provided the furnace is installed and used in the original owner's principal residence, subject to proof of purchase and such installation. For any subsequent owner (or the original owner where the above lifetime limited warranty conditions are not met or cease being met), or if the furnace is installed for non-residential use, the Manufacturer's warranty on the primary heat exchanger and the secondary heat exchanger (condensing coil) is for an Applicable Warranty Period of Twenty (20) Years after the Effective Date.

⁶ A Conditional Compressor Warranty will apply Ten (10) Years after the Effective Date on the compressors in the noted models above if the following conditions are satisfied:

a) unit is installed in a residential* application; is still owned by the original purchaser; in the original installation location; AND
b) warranty is registered with the Manufacturer within 60 days of original installation or closing of the purchase of your residence. Product registration is available online at www.RegisterMyUnit.com. Please refer to the Limited Warranty Coverage and Exclusions on the reverse side of this warranty card for additional information.

⁷ A Warranty Period Ten (10) Years after the Effective Date will apply on the compressors in the models noted above installed in residential applications.