

BLOCK 1205.02 LOT 15 QUALIFICATION CODE _____ ADDRESS (SITE) 203 Veronica Dr PERMIT NO. 05-2624



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 203 Veronica Dr

2. Name of Owner in Fee: Groninger Brick Co Tel. [REDACTED]

Address _____

3. Ownership in Fee: Public _____ Private ☒

4. Principal Cor NJR Home Services

Address 1415 Wyckoff Rd., Wall NJ 07719

License No. Tel. 1.877.466.3657 Fax. 732-493-6479

Federal Emp _____

5. Architect or Federal Employee No. 22-3609806

Address _____

6. Responsible WINFRED JOHNSON TEL. 732-919-8172

Tel. (_____)

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$		
2. Electrical	\$		
3. Plumbing	\$		
4. Fire Protection	\$		
5. Elevator Devices	\$		
6. Subtotal	\$		
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	\$		
10. Subtotal	\$		
11. Cert. of Occupancy	\$		
12. Other	\$		
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	
2. Height of Structure	_____ ft.
3. Area — Largest Floor	_____ sq. ft.
4. New Building Area	_____ sq. ft.
5. Volume of New Structure	_____ cu. ft.
6. Construction Classification	
7. Total Land Area Disturbed	_____ sq. ft.
8. Flood Hazard Zone	
9. Base Flood Elevation	_____ ft.
10. Wetlands	yes _____ no _____
11. Max. Live Load	
12. Max. Occupancy Load	

replace A/C unit

II. PROPOSED WORK

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Reviewer	Resubmission Dates	Rejection	Reviewer
1. ☐ Minor Work									
2. ☐ New Building									
3. ☐ Addition									
4. ☐ a. Repair									
☐ b. Alteration									
☐ c. Renovation									
☐ d. Reconstruction									
5. ☐ Fire Protection									
6. ☒ Plumbing									
7. ☒ Electrical									
8. ☐ Elevator Devices									
9. ☐ Asbestos Abat. Subch. B									
10. ☐ Lead Hazard Abatement									
11. ☐ Demolition									
TOTAL COSTS									

OPTIONAL (for office use only)

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

4. No. of dwelling units: All Units Income restricte

Before Construction _____

After Construction _____

Net Gain or Loss _____

B. NON-RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

LDS BR 10425052

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name **NJR Home Services**
1415 Wyckoff Rd., Wall NJ 07719
Address _____ Tel. **1.877.466.3657** Fax. **732-493-6479**

_____ Federal Employee No. **22-3609806**
Telephone (_____
Signature _____ **WINFRED JOHNSON TEL. 732-919-8172**

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☐ Zoning Officer			X	X	X	X	X	X	
☐ Planning Board			X	X	X	X	X	X	
☐ Zoning Board			X	X	X	X	X	X	
☐ Sewer Authority			X	X	X	X	X	X	
☐ Water Authority			X	X	X	X	X	X	
☐ Police Department			X	X	X	X	X	X	
☐ Health Department			X	X	X	X	X	X	
☐ Soil Conservation			X	X	X	X	X	X	
☐ N.J. Department of Community Affairs			X	X	X	X	X	X	
☐ N.J. Department of Transportation			X	X	X	X	X	X	
☐ N.J. Department of Environmental Protection			X	X	X	X	X	X	
☐ Utility Dig No.			X	X	X	X	X	X	
☐									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	_____
Electrical _____	Barrier Free _____	_____
Plumbing _____	Flood Hazard _____	_____
Fire Protection _____	As Built Elevation Cert. _____	_____
Mechanical _____	Other _____	_____

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____



CONSTRUCTION PERMIT

Date issued

Permit #

IDENTIFICATION Block 1205.02 Lot 15 Qualification Code _____
Work Site Location 508 Veronica St Contractor NJR Home Services
Brick 07719 Address 1415 Wyckoff Rd
Owner in Fee Groninger Wall NJ 07719
Address _____ Tel. (732) 919-8172
Tel. [REDACTED] Lic. No. or Bldrs. Reg. No. _____
22-3609806

Is hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER _____
(Subchapter 8 only)

DESCRIPTION OF WORK:

replace A/C unit

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 2500.-

Construction Official

Date

PAYMENTS (Office Use Only)

Building _____
Electrical _____
Plumbing _____
Fire Protection _____
Elevator Devices _____
Other _____
DCA State Permit Fee _____
Cert. of Occupancy _____
Other _____
Total _____
Check No. _____
Cash _____
Collected by _____

(see reverse side)

U.C.C. F170 (rev. 01/04)

1 WHITE-INSPECTOR

2 CANARY-OFFICE

3 PINK-TAX ASSESSOR

4 GOLD-APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. Utility services, including septic.
4. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.

☐ Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.



CONSTRUCTION PERMIT

Date Issued 07/06/2005
Control # C-05-135937
Permit # 05-2624

IDENTIFICATION Block: 1205.02 Lot: 15 Qualifier _____
Work Site Location: 208 VERONICA DR. Brick Township, NJ Contractor NJR HOME SERVICES
Address 1415 WYCKOFF RD WALL TOWNSHIP NJ 07719
Owner in Fee GRONINGER, BERNARD
Address 208 VERONICA DR BRICK NJ 08724 Telephone: 732/938-1260
Lic. No. or Bldrs. Reg. No. _____
Federal Employee No. 22-3609806

Is hereby granted permission to perform the following work:

- | | | |
|--|--|--|
| ☐ BUILDING | ☒ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter B only) | ☐ OTHER |

DESCRIPTION OF WORK:

REPLACEMENT A/C

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.
Estimated Cost of Work \$2,500

Construction Official _____ Date 07/06/2005

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$40
Plumbing	\$40
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$4
CO Fee	
Other	\$0
Total	\$84
Check No.	8738
Cash	\$0
Credit	\$0
Collected By	Ann Marie Hanlon

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of the record and am authorized to make this application and perform the work listed on this application.

Date Received 06/14/2005
Date Issued 7/6/05
Control # 0244899
Permit # C-05-135937
05-2624

Block 1205.02 Lot 15 Qualification Code
Work Site Location: 208 VERONICA DR.

Owner in Fee: GRONINGER, BERNARD
Address 208 VERONICA DR BRICK NJ

Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

Tel. 732/938-1260 Fax 732/938-3010

Lic No. Federal Employee No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed R-5
☐ Pole/Pad # ☐ Temporary ☐ Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work \$1,250

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plan
☐ Required

INSPECTIONS
Type: Failure Failure Approval Initial

Rough

Barrier-Free

Trench

Temp. Serv.

Constr. Serv.

TCO

Other

Service

Final

Barrier-Free

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

SUBCODE APPROVAL
☐ CO ☐ CCO ☒ CA

Date: 7/22/05

Approved by: VM

Applicant's Signature/Contractor's Seal and Signature
☐ Licensed Elec Contr ☐ Certifd Landscape Irrigation Contr ☐ Exempt Applicant
D. TECHNICAL SITE DATA

QTY.

SIZE

ITEMS

FEE (Office Use Only)

0

Lighting Fixtures

0

Receptacles

0

Switches

0

Detectors

0

Light Poles

0

Motors - Fract. HP

0

Emergency & Exit Lights

0

Communication Points

0

Alarm Devices/F. A.C. Panel

0

TOTAL NUMBERS

0

Pool Permit/with UW Lights

0

Storable Pool/Spa/Hot Tub

0

KW Elec. Range/Receptical

0

KW Oven/Surface Unit

0

KW Elec. Water Heater

0

KW Elec. Dryer/Recepticle

0

KW Dishwasher

0

HP Garbage Disposal

0

KW Central A/C Unit

1

HP/KW Space Heater/Air

0

KW Baseboard Heat

0

HP Motors 1/+ HP

0

KW Transformer/Generator

0

AMP Service

0

AMP Subpanels

0

AMP Motor Control Center

0

KW Elec. Sign/Outline Light

0

0

0

0

0

0

Administrative Surcharge

Minimum Fee \$40

State Permit Surcharge Fee \$2

TOTAL FEE \$42



PLUMBING SUBCODE
TECHNICAL SECTION



Date Received 06/14/2005
Control # C-05-135937
Date Issued 7/6/05
Permit # 05-26024

A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO. 1-800-272-1000

Block 1205.02 Lot 15 Qualification Code

Work Site Location: 208 VERONICA DR.

Owner In Fee: GRONINGER, BERNARD

Address 208 VERONICA DR. BRICK NJ

Tel.

Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

Tel. 732/938-1260 Fax. 732/938-3010

Contractor License No.

Federal Employee No.

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed R-5

Building Sewer Size 0 Public Sewer Private Septic

Water Service Size 0 Public Water Private Well

Estimated Cost of Plumbing Work \$1,250

JOB SUMMARY (Office Use Only)

PLAN REVIEW

No Plan Required

Joint Plan Review Required

Building Electrical

Fire Elevator

Plumbing Plans Approved

Date: 6/16/05

Approved by:

SUBCODE APPROVAL

CO COO

Date: 7-25-05

Approved by:

INSPECTIONS

Type: Failure Failure Approval Initial

Slab

Rough Water

Sewer

Fixtures

Gas Equipment

Solar

TCO

Final A.C.

Refrac.

D. TECHNICAL SITE DATA (List of all fixtures)

NO. FIXTURE/EQUIPMENT

Water Closet

Urinal/Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bibb

Water Heater

Fuel Oil Piping

Gas Piping

LP Gas Tank

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor/Separator

Backflow Preventor

Grasestrap

Sewer Connector

Water Service Connection

Stacks

Other A/C

Other

2.5 - 700's

700's

700's

700's

700's

700's

700's

700's

700's

700's

700's

700's

Administrative Surcharge \$0
Minimum Fee \$40
State Permit Surcharge Fee \$2
TOTAL FEE \$42

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of the record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

Licensed Plumbing Contractor Exempt Applicant

AC Replace

700's

700's

700's

CONDENSING UNITS

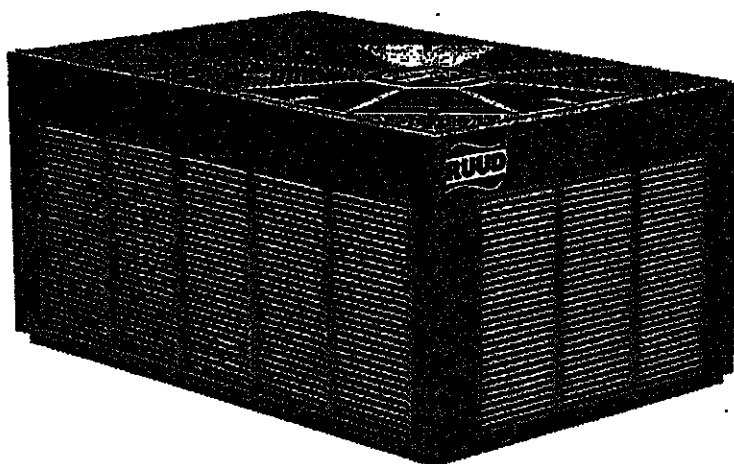


ACHIEVER 10[®] CONDENSING UNITS

Seven Models

Cooling Capacities
17,000 to 56,500 BTU/HR
[4.98 kW] to [16.56 kW]

2.5 ton
UAKA- SERIES
Nominal Sizes 1½ to 5 Tons
[5.28 kW] to [17.58 kW]



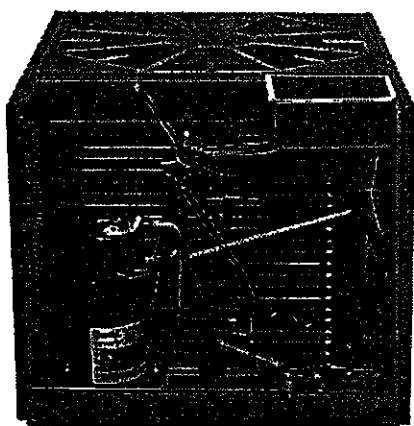
The Ruud[®] Achiever 10 UAKA- Condensing Unit was designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications.

- Attractive, louvered wrap-around jacket protects the coil from yard hazards and weather extremes. Top grille is steel reinforced for extra strength. Cabinet is powder painted for all-weather protection.
- Air is discharged upward away from bushes and shrubs. The discharge pattern of the top grille provides minimum air restriction, resulting in quiet fan operation.
- Exclusive Combination Grille/Motor Mount secures the motor to the underside of the discharge grille. The grille protects the motor windings and bearings from rain and snow.
- All controls are accessible by removing one service panel. Removable top grille provides access to the condenser fan motor and condenser coil.
- Single speed motor designed for low speed, quiet, energy-saving operation.

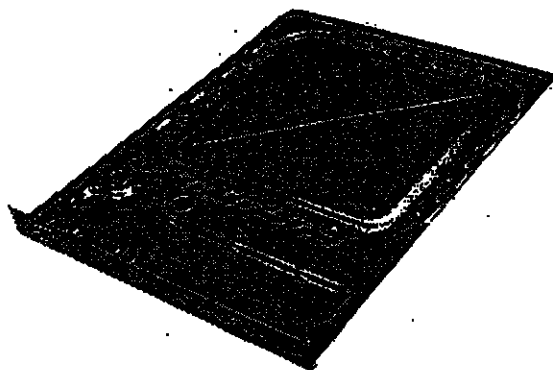


"CERTIFIED UNDER THE
A.R.I. CERTIFICATION
PROGRAM—A.R.I.
STANDARD 210"
*575 VOLT MODELS ARE NOT
A.R.I. CERTIFIED





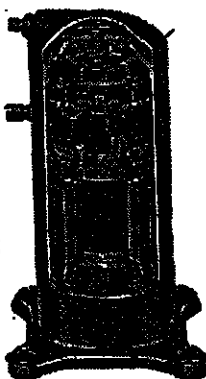
All controls and compressor are accessible for servicing by removal of the service panel. (Unit pictured with field installed high and low pressure controls and filter drier.)



Drawn Painted Base Pan.

COPELAND® SCROLL® COMPRESSOR

Copeland's new scroll compressor is the key to efficiency for this Ruud model. It's the latest in high-efficiency compressor technology. The advanced scroll compressor offers low noise and vibration characteristics and features tolerance to liquid refrigerant and system contamination. The Copeland Scroll also has low start torque, eliminating start problems in the field. And its unique design enables the UAKA-Condensing unit to perform more efficiently.



Engineering Features

UAKA- Series Condensing Units

1. Compressor is hermetically sealed and incorporates internal high temperature motor overload protection, and durable insulation on the motor windings. It is externally mounted on rubber grommets to reduce vibration and noise.
2. All refrigerant connections are on the exterior of the unit, located close to the ground for neat appearing installations.
3. Cabinet is constructed of powder painted galvanized steel. The full wraparound louvered grille protects the coil from damage.
4. Copper Tube—Aluminum Fin coils are used on all models.
5. The control box is located in the top corner of the cabinet providing for easy access through a service panel.
6. Service valves are standard on all models.
7. Power and control wiring are kept separate.
8. Every unit is factory charged and tested.
9. Separate compressor compartment for easy service access.
10. Drawn, painted base pan for extra corrosion resistance and sound reduction.

Field Installed Accessories

- **Compressor Time Delay Control**—Compressor will remain off for five minutes after power or thermostat interruption, allowing system pressures to equalize. (Model No. RXMD-B01) (3-phase models only).
- **Low Ambient Switch**—Cycles outdoor fan to maintain adequate condensing pressures assuring liquid refrigerant flow to the coil. Allows indoor cooling with outdoor temperatures down to 0°F [-17.8°C]. (Model No. RXAD-A04)
It is recommended that this control be installed in units to be operated at outdoor ambient temperatures under 65°F [18°C].
- **High Pressure Control**—(Model No. RXAB-A03)
- **Low Pressure Control**—Deactivates system if refrigerant loss occurs. (Model No. RXAC-A03)
- **Crankcase Heater**—Available through the Universal Parts® Department.
- **Start Kit**—Available through the Universal Parts® Department.

[] Designates Metric Conversions

Model Number Identification

<u>U</u>	<u>A</u>	<u>K</u>	<u>A</u>	<u>—</u>	<u>024</u>	<u>J</u>	<u>A</u>	<u>Z</u>
RUUD	CONDENSING UNIT	TYPE-K STANDARD EFFICIENCY	DESIGN SERIES		NOMINAL COOLING CAPACITY	ELECTRICAL DESIGNATION	VARIATIONS A = STANDARD MODEL	Z = COPELAND ZR SCROLL COMPRESSOR S = SWEAT CONNECTION
					018 = 18,000 BTU/HR [5.28 kW]	J = 208-230-1-60		
					024 = 24,000 BTU/HR [7.03 kW]	C = 208-230-3-60		
					030 = 30,000 BTU/HR [8.79 kW]	D = 460-3-60		
					036/037 = 36,000 BTU/HR [10.55 kW]	Y = 575-3-60		
					042 = 42,000 BTU/HR [12.31 kW]			
					048 = 48,000 BTU/HR [14.07 kW]			
					060 = 60,000 BTU/HR [17.58 kW]			

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

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	Indoor CFM [L/s]
Outdoor Unit UAKA-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
018JAZ	RCAB-A021 (UHQA-08)	17,600 [5.16]	12,300 [3.60]	5,300 [1.56]	9.80	10.00	7.2	600 [285]
	RCBA-2453 Ⓞ	17,000 [4.98]	12,000 [3.51]	5,000 [1.47]	9.50	10.00	7.2	600 [285]
	RCBA-2453 (UBEA-14)	17,200 [5.04]	12,200 [3.57]	5,000 [1.47]	9.65	10.10	7.2	600 [285]
	RCBA-2453 (UBHA-14)	17,200 [5.04]	12,200 [3.57]	5,000 [1.47]	9.65	10.10	7.2	600 [285]
	RCBA-2453 + RXMD-C02	17,000 [4.98]	12,000 [3.51]	5,000 [1.47]	9.50	10.10	7.2	600 [285]
	RCBA-2453 + RXMD-C02 (UBEA-14)	17,200 [5.04]	12,200 [3.57]	5,000 [1.47]	9.65	10.20	7.2	600 [285]
	RCBA-2453 + RXMD-C02 (UBHA-14)	17,200 [5.04]	12,200 [3.57]	5,000 [1.47]	9.65	10.20	7.2	600 [285]
	RCGA-24A1	16,900 [4.95]	11,800 [3.45]	5,100 [1.50]	9.35	10.00	7.2	600 [285]
	RCGA-24A1 (UBEA-14)	17,000 [4.98]	11,900 [3.48]	5,100 [1.50]	9.50	10.20	7.2	600 [285]
	RCGA-24A1 (UBHA-14)	17,000 [4.98]	11,900 [3.48]	5,100 [1.50]	9.50	10.20	7.2	600 [285]
	RCHA-24A1	16,900 [4.95]	11,800 [3.45]	5,100 [1.50]	9.35	10.00	7.2	600 [285]
	RCHA-24A1 (UBEA-14)	17,000 [4.98]	11,900 [3.48]	5,100 [1.50]	9.50	10.20	7.2	600 [285]
	RCHA-24A1 (UBHA-14)	17,000 [4.98]	11,900 [3.48]	5,100 [1.50]	9.50	10.20	7.2	600 [285]
	RCLB-A024	18,100 [5.31]	12,900 [3.78]	5,200 [1.53]	9.60	10.00	7.2	600 [285]
	RCTB-A018	17,100 [5.01]	11,800 [3.45]	5,300 [1.56]	9.00	10.00	7.2	600 [285]
	RCTB-A018 (UHQA-08)	17,400 [5.10]	12,100 [3.54]	5,300 [1.56]	9.60	10.35	7.2	600 [285]
	RCTH-A024	17,500 [5.13]	12,600 [3.69]	4,900 [1.44]	9.50	10.30	7.2	600 [285]
024JAZ	RCBA-2457 Ⓞ	22,800 [6.66]	16,500 [4.83]	6,300 [1.83]	9.05	10.00	7.2	800 [380]
	RCBA-2457 (UBEA-14)	23,000 [6.72]	16,700 [4.89]	6,300 [1.83]	9.25	10.15	7.2	800 [380]
	RCBA-2457 (UBHA-14)	23,000 [6.72]	16,700 [4.89]	6,300 [1.83]	9.25	10.15	7.2	800 [380]
	RCBA-2457 + RXMD-C02	22,800 [6.66]	16,500 [4.83]	6,300 [1.83]	9.05	10.10	7.2	800 [380]
	RCBA-2457 + RXMD-C02 (UBEA-14)	23,000 [6.72]	16,700 [4.89]	6,300 [1.83]	9.25	10.25	7.2	800 [380]
	RCBA-2457 + RXMD-C02 (UBHA-14)	23,000 [6.72]	16,700 [4.89]	6,300 [1.83]	9.25	10.25	7.2	800 [380]
	RCGA-24A2	22,600 [6.60]	16,000 [4.68]	6,600 [1.92]	8.75	10.00	7.2	800 [380]
	RCGA-24A2 (UBEA-14)	22,800 [6.66]	16,200 [4.74]	6,600 [1.92]	8.90	10.15	7.2	800 [380]
	RCGA-24A2 (UBHA-14)	22,800 [6.66]	16,200 [4.74]	6,600 [1.92]	8.90	10.15	7.2	800 [380]
	RCHA-24A2	22,600 [6.60]	16,000 [4.68]	6,600 [1.92]	8.75	10.00	7.2	800 [380]
	RCHA-24A2 (UBEA-14)	22,800 [6.66]	16,200 [4.74]	6,600 [1.92]	8.90	10.15	7.2	800 [380]
	RCHA-24A2 (UBHA-14)	22,800 [6.66]	16,200 [4.74]	6,600 [1.92]	8.90	10.15	7.2	800 [380]
	RCLB-A024	23,400 [6.84]	17,100 [5.01]	6,300 [1.83]	9.15	10.00	7.2	800 [380]
	RCLB-A024 (UHQA-08)	23,800 [6.96]	17,500 [5.13]	6,300 [1.83]	9.70	10.15	7.2	800 [380]
	RCTB-A024	23,000 [6.72]	16,500 [4.83]	6,500 [1.89]	8.85	10.00	7.2	800 [380]
	RCTB-A024 (UHQA-08)	23,400 [6.84]	16,900 [4.95]	6,500 [1.89]	9.35	10.15	7.2	800 [380]
	RCTH-A024	23,200 [6.78]	16,800 [4.92]	6,400 [1.86]	8.90	10.00	7.2	800 [380]
030JAZ	RCAN-Z037	27,600 [8.10]	20,200 [5.94]	7,400 [2.16]	9.45	10.00	7.4	1,000 [470]
	RCBA-3765 Ⓞ	28,200 [8.28]	21,200 [6.24]	7,000 [2.04]	9.60	10.00	7.4	1,000 [470]
	RCBA-3765 (UBEA-17)	28,400 [8.34]	21,400 [6.30]	7,000 [2.04]	9.85	10.20	7.4	1,000 [470]
	RCBA-3765 (UBHA-17)	28,400 [8.34]	21,400 [6.30]	7,000 [2.04]	9.85	10.20	7.4	1,000 [470]
	RCBA-3765 + RXMD-C02	28,200 [8.28]	21,200 [6.24]	7,000 [2.04]	9.60	10.10	7.4	1,000 [470]
	RCBA-3765 + RXMD-C02 (UBEA-17)	28,400 [8.34]	21,400 [6.30]	7,000 [2.04]	9.85	10.30	7.4	1,000 [470]
	RCBA-3765 + RXMD-C02 (UBHA-17)	28,400 [8.34]	21,400 [6.30]	7,000 [2.04]	9.85	10.30	7.4	1,000 [470]
	RCGA-37A1	28,200 [8.28]	20,800 [6.06]	7,600 [2.22]	9.55	10.00	7.4	1,000 [470]
	RCGA-37A1 (UBEA-17)	28,400 [8.34]	20,800 [6.12]	7,600 [2.22]	9.80	10.20	7.4	1,000 [470]
	RCGA-37A1 (UBHA-17)	28,400 [8.34]	20,800 [6.12]	7,600 [2.22]	9.80	10.20	7.4	1,000 [470]
	RCHA-36A1	28,200 [8.28]	20,600 [6.06]	7,600 [2.22]	9.55	10.00	7.4	1,000 [470]
	RCHA-36A1 (UBEA-17)	28,800 [8.46]	21,200 [6.24]	7,600 [2.22]	9.80	10.20	7.4	1,000 [470]
	RCHA-36A1 (UBHA-17)	28,800 [8.46]	21,200 [6.24]	7,600 [2.22]	9.80	10.20	7.4	1,000 [470]
	RCLB-A030	29,000 [8.52]	22,200 [6.48]	6,800 [2.04]	9.75	10.00	7.4	1,000 [470]
	RCLB-A030 (UHQA-13)	29,200 [8.58]	22,400 [6.54]	6,800 [2.04]	10.00	10.30	7.4	1,000 [470]
	RCTB-A036	29,000 [8.52]	21,800 [6.36]	7,200 [2.16]	9.70	10.20	7.4	1,000 [470]
	RCTB-A036 (UHQA-13)	29,200 [8.58]	22,000 [6.42]	7,200 [2.16]	9.95	10.50	7.4	1,000 [470]
	RCTH-A036	29,000 [8.52]	21,800 [6.36]	7,200 [2.16]	9.70	10.20	7.4	1,000 [470]
036CAS/DAS	RCBA-3673 Ⓞ	35,000 [10.26]	27,000 [7.91]	8,000 [2.34]	9.40	10.00	7.6	1,200 [565]
	RCBA-3673 (UBEA-17)	35,400 [10.37]	27,400 [8.03]	8,000 [2.34]	9.75	10.30	7.6	1,200 [565]
	RCBA-3673 (UBHA-17)	35,400 [10.37]	27,400 [8.03]	8,000 [2.34]	9.75	10.30	7.6	1,200 [565]
	RCBA-3673 + RXMD-C02	35,000 [10.26]	27,000 [7.91]	8,000 [2.34]	9.40	10.10	7.6	1,200 [565]
	RCBA-3673 + RXMD-C02 (UBEA-17)	35,400 [10.37]	27,400 [8.03]	8,000 [2.34]	9.75	10.40	7.6	1,200 [565]
	RCBA-3673 + RXMD-C02 (UBHA-17)	35,400 [10.37]	27,400 [8.03]	8,000 [2.34]	9.75	10.40	7.6	1,200 [565]
	RCGA-36A2	34,600 [10.14]	25,495 [7.47]	9,105 [2.67]	9.35	10.00	7.6	1,200 [565]
	RCGA-36A2 (UBEA-17)	35,000 [10.26]	25,895 [7.59]	9,105 [2.67]	9.70	10.30	7.6	1,200 [565]
	RCGA-36A2 (UBHA-17)	35,000 [10.26]	25,895 [7.59]	9,105 [2.67]	9.70	10.30	7.6	1,200 [565]
	RCHA-36A1	34,600 [10.14]	25,495 [7.47]	9,105 [2.67]	9.35	10.00	7.6	1,200 [565]
	RCHA-36A1 (UBEA-17)	35,000 [10.26]	25,895 [7.59]	9,105 [2.67]	9.70	10.30	7.6	1,200 [565]
	RCHA-36A1 (UBHA-17)	35,000 [10.26]	25,895 [7.59]	9,105 [2.67]	9.70	10.30	7.6	1,200 [565]
	RCLB-A036	35,400 [10.37]	26,600 [7.80]	8,800 [2.58]	9.50	10.10	7.6	1,150 [543]
	RCLB-A036 (UHQA-13)	35,400 [10.37]	26,600 [7.80]	8,800 [2.58]	9.45	10.05	7.6	1,150 [543]

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

[] Designates Metric Conversion

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	Indoor CFM [L/s]
Outdoor Unit UAKA-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
036CAS/DAS	RCTB-A036	34,400 [10.08]	26,000 [7.80]	8,400 [2.46]	9.35	10.50	7.6	1,200 [565]
	RCTB-A036 (UHQA-13)	34,400 [10.08]	26,000 [7.80]	8,400 [2.46]	9.35	10.50	7.6	1,200 [565]
	RCTB-A037	35,200 [10.32]	26,600 [7.80]	8,600 [2.52]	9.45	10.70	7.8	1,200 [565]
	RCTH-A036	34,200 [10.02]	25,800 [7.56]	8,400 [2.46]	9.30	10.50	7.8	1,200 [565]
037CAZ/DAZ	RCBA-3765	35,400 [10.38]	25,200 [7.38]	10,200 [3.00]	9.50	10.00	7.8	1,200 [565]
	RCBA-3765 (UBEA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.15	7.8	1,200 [565]
	RCBA-3765 (UBHA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.15	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02	35,400 [10.38]	25,200 [7.38]	10,200 [3.00]	9.50	10.05	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02 (UBEA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.20	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02 (UBHA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.20	7.8	1,200 [565]
	RCGA-36A2	35,000 [10.26]	24,800 [7.26]	10,200 [3.00]	9.60	10.50	7.8	1,200 [565]
	RCGA-36A2 (UBEA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCGA-36A2 (UBHA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCHA-36A1	35,000 [10.26]	24,800 [7.26]	10,200 [3.00]	9.60	10.50	7.8	1,200 [565]
	RCHA-36A1 (UBEA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCHA-36A1 (UBHA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCTH-A036	35,400 [10.38]	25,200 [7.38]	10,200 [3.00]	9.60	10.50	7.8	1,200 [565]
	RCBA-3765 Ⓞ	35,400 [10.38]	25,200 [7.38]	10,200 [3.00]	9.50	10.00	7.8	1,200 [565]
037JAZ	RCBA-3765 (UBEA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.15	7.8	1,200 [565]
	RCBA-3765 (UBHA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.15	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02	35,400 [10.38]	25,200 [7.38]	10,200 [3.00]	9.50	10.05	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02 (UBEA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.20	7.8	1,200 [565]
	RCBA-3765 + RXMD-C02 (UBHA-17)	35,600 [10.44]	25,400 [7.44]	10,200 [3.00]	9.70	10.20	7.8	1,200 [565]
	RCGA-36A2	35,000 [10.26]	24,800 [7.26]	10,200 [3.00]	9.60	10.50	7.8	1,200 [565]
	RCGA-36A2 (UBEA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCGA-36A2 (UBHA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCHA-36A1	35,000 [10.26]	24,800 [7.26]	10,200 [3.00]	9.60	10.50	7.8	1,200 [565]
	RCHA-36A1 (UBEA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCHA-36A1 (UBHA-17)	35,200 [10.32]	25,000 [7.32]	10,200 [3.00]	9.70	10.70	7.8	1,200 [565]
	RCLB-A036	35,600 [10.44]	25,654 [7.50]	9,946 [2.94]	9.40	10.00	7.8	1,200 [565]
	RCLB-A036 (UHQA-13)	35,600 [10.44]	25,654 [7.50]	9,946 [2.94]	9.40	10.05	7.8	1,200 [565]
	RCTB-A036	35,400 [10.38]	25,454 [7.44]	9,946 [2.94]	9.35	10.10	7.8	1,200 [565]
042CAS/DAS/CAZ/DAZ/JAZ	RCTB-A037	36,600 [10.74]	26,780 [7.86]	9,820 [2.88]	9.60	10.15	7.8	1,200 [565]
	RCTH-A036	35,400 [10.38]	25,596 [7.50]	9,804 [2.88]	9.35	10.00	7.8	1,200 [565]
	RCBA-4873	40,000 [11.70]	28,900 [8.46]	11,100 [3.25]	9.20	10.00	7.8	1,400 [660]
	RCBA-4873 (UBEA-21)	40,500 [11.85]	29,400 [8.64]	11,100 [3.25]	9.45	10.25	7.8	1,400 [660]
	RCBA-4873 (UBHA-21)	40,500 [11.85]	29,400 [8.64]	11,100 [3.25]	9.45	10.25	7.8	1,400 [660]
	RCBA-4873 + RXMD-C02	40,000 [11.70]	28,900 [8.46]	11,100 [3.25]	9.20	10.05	7.8	1,400 [660]
	RCBA-4873 + RXMD-C02 (UBEA-21)	40,500 [11.85]	29,400 [8.64]	11,100 [3.25]	9.45	10.30	7.8	1,400 [660]
	RCBA-4873 + RXMD-C02 (UBHA-21)	40,500 [11.85]	29,400 [8.64]	11,100 [3.25]	9.45	10.30	7.8	1,400 [660]
	RCGA-48A1	39,500 [11.55]	28,200 [8.28]	11,300 [3.31]	9.15	10.30	7.8	1,400 [660]
	RCGA-48A1 (UBEA-21)	40,000 [11.70]	28,700 [8.40]	11,300 [3.31]	9.40	10.55	7.8	1,400 [660]
	RCGA-48A1 (UBHA-21)	40,000 [11.70]	28,700 [8.40]	11,300 [3.31]	9.40	10.55	7.8	1,400 [660]
	RCHA-48A1	39,500 [11.55]	28,200 [8.28]	11,300 [3.31]	9.15	10.30	7.8	1,400 [660]
	RCHA-48A1 (UBEA-21)	40,000 [11.70]	28,700 [8.40]	11,300 [3.31]	9.40	10.55	7.8	1,400 [660]
	RCHA-48A1 (UBHA-21)	40,000 [11.70]	28,700 [8.40]	11,300 [3.31]	9.40	10.55	7.8	1,400 [660]
048CAS/DAS/CAZ/DAZ/JAZ	RCLB-A048 (UHQA-16)	40,000 [11.70]	28,812 [8.46]	11,188 [3.28]	9.30	10.10	7.8	1,400 [660]
	RCMB-A048 (UHQA-16)	40,500 [11.85]	29,312 [8.58]	11,188 [3.28]	9.40	10.15	7.8	1,400 [660]
	RCTB-A048 (UHQA-16)	40,000 [11.70]	29,089 [8.52]	10,911 [3.20]	9.30	10.05	7.8	1,400 [660]
	RCTH-A048	39,500 [11.55]	28,200 [8.28]	11,300 [3.31]	9.20	10.30	7.8	1,400 [660]
	RCBA-4882 Ⓞ	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.65	10.00	8.0	1,600 [755]
	RCBA-4882 (UBEA-21)	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.75	10.10	8.0	1,600 [755]
	RCBA-4882 (UBHA-21)	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.75	10.10	8.0	1,600 [755]
	RCBA-4882 + RXMD-C02	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.65	10.10	8.0	1,600 [755]
	RCBA-4882 + RXMD-C02 (UBEA-21)	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.75	10.20	8.0	1,600 [755]
	RCBA-4882 + RXMD-C02 (UBHA-21)	46,000 [13.50]	33,200 [9.72]	12,800 [3.78]	9.75	10.20	8.0	1,600 [755]
	RCGA-48A1	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.70	10.30	8.0	1,600 [755]
	RCGA-48A1 (UBEA-21)	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.80	10.40	8.0	1,600 [755]
	RCGA-48A1 (UBHA-21)	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.80	10.40	8.0	1,600 [755]
	RCHA-48A1	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.70	10.30	8.0	1,600 [755]
	RCHA-48A1 (UBEA-21)	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.80	10.20	8.0	1,600 [755]

Ⓞ 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	Indoor CFM [L/s]
Outdoor Unit UAKA-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
048CAS/DAS/CAZ/DAZ/JAZ	RCHA-48A1 (UBHA-21)	46,000 [13.50]	33,000 [9.66]	13,000 [3.84]	9.80	10.20	8.0	1,600 [755]
	RCLB-A048	45,500 [13.35]	33,200 [9.72]	12,300 [3.63]	9.65	10.00	8.0	1,600 [755]
	RCLB-B048	46,000 [13.50]	33,400 [9.78]	12,600 [3.72]	9.70	10.00	8.0	1,600 [755]
	RCMB-A048	46,000 [13.50]	33,400 [9.78]	12,600 [3.72]	9.70	10.00	8.0	1,600 [755]
	RCMB-A048 (UHQA-16)	46,000 [13.50]	33,400 [9.78]	12,600 [3.72]	9.95	10.10	8.0	1,600 [755]
	RCTB-A048	46,000 [13.50]	33,600 [9.84]	12,400 [3.66]	9.85	10.30	8.0	1,600 [755]
	RCTB-A048 (UHQA-16)	46,000 [13.50]	33,600 [9.84]	12,400 [3.66]	9.95	10.40	8.0	1,600 [755]
048YAS	RCTH-A048	46,500 [13.65]	33,800 [9.90]	12,700 [3.75]	9.80	10.30	8.0	1,600 [755]
	RCBA-4876 Ⓞ	46,500 [13.65]	35,800 [10.50]	10,700 [3.15]	9.45	10.00	8.0	1,600 [755]
	RCBA-4876 (UBEA-21)	47,000 [13.80]	36,300 [10.62]	10,700 [3.18]	9.75	10.20	8.0	1,600 [755]
	RCBA-4876 (UBHA-21)	47,000 [13.80]	36,300 [10.62]	10,700 [3.18]	9.75	10.20	8.0	1,600 [755]
	RCBA-4876 + RXMD-C02	46,500 [13.65]	35,800 [10.50]	10,700 [3.15]	9.45	10.10	8.0	1,600 [755]
	RCBA-4876 + RXMD-C02 (UBEA-21)	47,000 [13.80]	36,300 [10.62]	10,700 [3.18]	9.75	10.30	8.0	1,600 [755]
	RCBA-4876 + RXMD-C02 (UBHA-21)	47,000 [13.80]	36,300 [10.62]	10,700 [3.18]	9.75	10.30	8.0	1,600 [755]
	RCGA-48A1	46,000 [13.50]	33,920 [9.96]	12,080 [3.54]	9.40	10.00	8.0	1,600 [755]
	RCGA-48A1 (UBEA-21)	46,500 [13.65]	34,420 [10.08]	12,080 [3.57]	9.65	10.20	8.0	1,600 [755]
	RCGA-48A1 (UBHA-21)	46,500 [13.65]	34,420 [10.08]	12,080 [3.57]	9.65	10.20	8.0	1,600 [755]
	RCHA-48A1	46,000 [13.50]	33,820 [9.96]	12,080 [3.54]	9.40	10.00	8.0	1,600 [755]
	RCHA-48A1 (UBEA-21)	46,500 [13.65]	34,420 [10.08]	12,080 [3.57]	9.65	10.20	8.0	1,600 [755]
	RCHA-48A1 (UBHA-21)	46,500 [13.65]	34,420 [10.08]	12,080 [3.57]	9.65	10.20	8.0	1,600 [755]
	RCLB-A048	46,000 [13.50]	34,500 [10.14]	11,500 [3.36]	9.45	10.00	8.0	1,550 [730]
	RCLB-B048	47,000 [13.80]	35,300 [10.32]	11,700 [3.48]	9.55	10.10	8.0	1,550 [730]
	RCMB-A048	47,000 [13.80]	35,300 [10.32]	11,700 [3.48]	9.50	10.15	8.0	1,550 [730]
	RCMB-A048 (UHQA-16)	47,500 [13.95]	35,800 [10.50]	11,700 [3.45]	9.70	10.40	8.0	1,550 [730]
	RCTB-A048	46,500 [13.65]	35,100 [10.26]	11,400 [3.39]	9.35	10.35	8.0	1,600 [755]
	RCTB-A048 (UHQA-16)	46,500 [13.65]	35,200 [10.32]	11,300 [3.33]	9.65	10.65	8.0	1,600 [755]
	RCTH-A048	47,000 [13.80]	35,500 [10.38]	11,500 [3.42]	9.50	10.45	8.0	1,600 [755]
060CAS/DAS	RCBA-6089 Ⓞ	56,000 [16.35]	43,100 [12.60]	12,900 [3.75]	9.45	10.00	8.2	2,000 [945]
	RCBA-6089 (UBEA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.20	8.2	2,000 [945]
	RCBA-6089 (UBHA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.20	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02	56,000 [16.35]	43,100 [12.60]	12,900 [3.75]	9.45	10.10	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02 (UBEA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.30	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02 (UBHA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.30	8.2	2,000 [945]
	RCGA-60A1	55,500 [16.20]	40,865 [12.00]	14,635 [4.20]	9.40	10.00	8.2	2,000 [945]
	RCGA-60A1 (UBEA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCGA-60A1 (UBHA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCHA-60A1	55,500 [16.20]	40,865 [12.00]	14,635 [4.20]	9.40	10.00	8.2	2,000 [945]
	RCHA-60A1 (UBEA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCHA-60A1 (UBHA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCQB-C060	57,000 [16.65]	42,500 [12.45]	14,500 [4.20]	9.10	10.10	8.2	2,000 [945]
	RCQB-C060 (UHQA-20)	57,000 [16.65]	42,500 [12.45]	14,500 [4.20]	9.10	10.15	8.2	2,000 [945]
	RCTB-B060 (UHQA-20)	54,500 [15.90]	41,200 [12.07]	13,300 [3.90]	9.40	10.00	8.2	1,950 [920]
060CAZ/DAZ/JAZ/YAS	RCBA-6089 Ⓞ	56,000 [16.35]	43,100 [12.60]	12,900 [3.75]	9.45	10.00	8.2	2,000 [945]
	RCBA-6089 (UBEA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.20	8.2	2,000 [945]
	RCBA-6089 (UBHA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.20	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02	56,000 [16.35]	43,100 [12.60]	12,900 [3.75]	9.45	10.10	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02 (UBEA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.30	8.2	2,000 [945]
	RCBA-6089 + RXMD-C02 (UBHA-24)	56,500 [16.50]	43,600 [12.75]	12,900 [3.75]	9.70	10.30	8.2	2,000 [945]
	RCGA-60A1	55,500 [16.20]	40,865 [12.00]	14,635 [4.20]	9.40	10.00	8.2	2,000 [945]
	RCGA-60A1 (UBEA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCGA-60A1 (UBHA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCHA-60A1	55,500 [16.20]	40,865 [12.00]	14,635 [4.20]	9.40	10.00	8.2	2,000 [945]
	RCHA-60A1 (UBEA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCHA-60A1 (UBHA-24)	56,000 [16.35]	41,365 [12.15]	14,635 [4.20]	9.60	10.15	8.2	2,000 [945]
	RCQB-C060	57,000 [16.65]	42,500 [12.45]	14,500 [4.20]	9.10	10.10	8.2	2,000 [945]
	RCQB-C060 (UHQA-20)	57,000 [16.65]	42,500 [12.45]	14,500 [4.20]	9.10	10.15	8.2	2,000 [945]

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

[] Designates Metric Conversions

Electrical and Physical Data

Model Number UAKA-	ELECTRICAL							PHYSICAL					
	Phase Hertz Volts	Compr. (RLA)	Compr. (LRA)	Fan Motor (FLA)	Min. Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			R22 Oz. [g]	Weight	
						Min. Amperes	Max. Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
018JAZ	1-60-208-230	9.7/9.7	50	.9	13/13	20/20	20/20	5.0 [465]	1.00	1850 [873]	46 [1304]	135 [61.2]	145 [65.8]
024JAZ	1-60-208-230	12.2/12.2	61	.9	16/16	20/20	25/25	6.1 [567]	1.00	1950 [920]	50 [1417]	140 [63.5]	150 [68.0]
030JAZ	1-60-208-230	14.1/14.1	76	.9	19/19	25/25	30/30	9.1 [845]	1.00	1960 [925]	66 [1871]	155 [70.3]	165 [74.8]
036CAS	3-60-208-230	11.5/11.5	78	1.3	16/16	20/20	25/25	11.0 [1.022]	1.00	2700 [1274]	75 [2126]	180 [81.8]	190 [86.2]
036DAS	3-60-460	5.8	40	.8	8	15	15	11.0 [1.022]	1.00	2700 [1274]	75 [2126]	180 [81.8]	190 [86.2]
037CAZ	3-60-208-230	10.3/10.3	77	1.3	14/14	20/20	20/20	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	180 [81.8]	190 [86.2]
037DAZ	3-60-460	5.1	39	.6	7	15	15	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	180 [81.8]	190 [86.2]
037JAZ	1-60-208-230	16.5/16.5	95	1.3	22/22	30/30	35/35	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	180 [81.8]	190 [86.2]
042CAS	3-60-208-230	14.1/14.1	130	1.3	19/19	25/25	30/30	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	190 [86.2]	200 [90.7]
042CAZ	3-60-208-230	12.4/12.4	88	1.3	17/17	20/20	25/25	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	190 [86.2]	200 [90.7]
042DAS	3-60-460	7.1	64	.6	10	15	15	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	190 [86.2]	200 [90.7]
042DAZ	3-60-460	6.4	44	.6	9	15	15	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	190 [86.2]	200 [90.7]
042JAZ	1-60-208-230	18.3/18.3	109	1.3	24/24	30/30	40/40	11.0 [1.022]	1.00	2700 [1274]	79 [2240]	190 [86.2]	200 [90.7]
048CAS	3-60-208-230	13.7/13.7	82	2.0	20/20	25/25	30/30	15.8 [1.468]	1.00	4100 [1935]	113 [3203]	220 [99.8]	230 [104.3]
048CAZ	3-60-208-230	13.5/13.5	91	2.0	19/19	25/25	30/30	15.8 [1.468]	1.00	4100 [1935]	103 [2920]	220 [99.8]	230 [104.3]
048DAS	3-60-460	6.9	41	1.0	10	15	15	15.8 [1.468]	1.00	4100 [1935]	113 [3203]	220 [99.8]	230 [104.3]
048DAZ	3-60-460	6.8	46	1.0	10	15	15	15.8 [1.468]	1.00	4100 [1935]	103 [2920]	220 [99.8]	230 [104.3]
048JAZ	1-60-208-230	21.9/21.9	131	2.0	29/29	35/35	50/50	15.8 [1.468]	1.00	4100 [1935]	103 [2920]	220 [99.8]	230 [104.3]
048YAS	3-60-575	5.2	36	.7	8	15	15	15.8 [1.468]	1.00	4100 [1935]	113 [3203]	220 [99.8]	230 [104.3]
060CAS	3-60-208-230	17.0/17.0	150	2.0	24/24	30/30	40/40	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]
060CAZ	3-60-208-230	17.2/17.2	128	2.0	24/24	30/30	40/40	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]
060DAS	3-60-460	9.6	73	1.0	13	20	20	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]
060DAZ	3-60-460	9.1	63	1.0	12/12	15	20	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]
060JAZ	1-60-208-230	28.9/28.9	175	2.0	39/39	50/50	60/60	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]
060YAS	3-60-575	8.3	59	.7	12	15	15	15.8 [1.468]	1.00	4150 [1959]	112 [3175]	250 [113.4]	260 [117.9]

[] Designates Metric Conversions

Condensing Unit Refrigerant Line Size Information

System Capacity Tons [kW]	Line Size (Inch O.D.) [mm]	Liquid Line Size Outdoor Unit Above Indoor Coil						Liquid Line Size Outdoor Unit Below Indoor Coil					
		Total Length—Feet [m]						Total 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]
		Vertical Separation—Feet [m]						Vertical Separation—Feet [m]					
1.5 [5.28]	1/4" [6.35]	25 [7.62]	50 [15.24]	70 [21.34]				25 [7.62]	23 [7.01]	8 [2.44]			
	5/16 [7.94]			36 [10.97]	42 [12.80]	48 [14.63]	54 [16.46]			36 [10.97]	30 [9.14]	24 [7.32]	18 [5.49]
2 [7.03]	1/4" [6.35]	25 [7.62]	50 [15.24]					25 [7.62]	23 [7.01]				
	5/16 [7.94]		24 [7.32]	34 [10.36]	44 [13.41]	54 [16.46]	64 [19.51]		48 [14.63]	38 [11.58]	28 [8.53]	18 [5.49]	8 [2.44]
2.5 [8.79]	1/4" [6.35]	25 [7.62]	50 [15.24]					25 [7.62]	23 [7.01]				
	5/16 [7.94]		19 [5.79]	33 [10.06]	47 [14.33]	61 [18.59]			50 [15.24]	39 [11.89]	25 [7.62]	11 [3.35]	
	3/8 [9.53]					11 [3.35]	15 [4.57]						57 [17.37]
3 [10.55]	5/16" [7.94]	25 [7.62]	50 [15.24]	70 [21.34]				25 [7.62]	23 [7.01]	9 [2.74]			
	3/8 [9.53]			34 [10.36]	40 [12.19]	46 [14.02]	52 [15.85]			38 [11.58]	32 [9.75]	26 [7.92]	20 [6.10]
3.5 [12.30]	5/16" [7.94]	25 [7.62]	50 [15.24]	75 [22.86]				25 [7.62]	23 [7.01]	9 [2.74]			
	3/8 [9.53]			32 [9.75]	39 [11.89]	46 [14.02]	53 [16.15]			40 [12.19]	33 [10.06]	26 [7.92]	19 [5.79]
4 [14.06]	3/8" [9.53]	25 [7.62]	44 [13.41]	53 [16.15]	61 [18.59]	70 [21.34]		25 [7.62]	28 [8.53]	19 [5.79]	11 [3.35]	3 [0.91]	
	1/2 [12.7]					37 [11.28]	39 [11.89]					35 [10.67]	33 [10.06]
5 [17.58]	3/8" [9.53]	25 [7.62]	48 [14.63]	61 [18.59]	72 [21.95]			25 [7.62]	23 [7.01]	11 [3.35]	3 [0.91]		
	1/2 [12.7]				35 [10.67]	38 [11.58]	41 [12.50]				37 [11.28]	34 [10.36]	31 [9.45]

*Standard line size

NOTES:

- This chart is applicable for condensing units.
- If the separation height exceeds the table values, reduce the indoor coil flow-check piston two sizes plus one size for each additional 10 feet (3.05 m).
Example 1: A 5 ton [17.58 kW] condensing unit with a total line length of 125 feet [38.10 m] with a vertical separation of 101 feet [30.78 m] utilizing a 1/2" [12.7 mm] liquid line. Table = 38 feet [11.58 m] maximum vertical separation for 125 feet [38.10 m] run. Separation exceeds table by (101-38) = 63 feet [19.20 m]. Therefore, reduce the indoor coil flow-check piston 2 + 6 = 8 sizes (For example, a #89 piston would reduce to a #81 piston)
- Do not exceed 120 feet [36.58 m] maximum vertical separation.
- No changes are required for expansion valve coils.
- Do not exceed table values for capillary tube coils.
- Always use the smallest liquid line possible to minimize system charge.
- Chart may be used to size horizontal runs.

NOTES:

- This chart is applicable for condensing units.
Example 1: A 2.5 ton [8.79 kW] condensing unit with a total line length of 75 feet [22.86 m] with a vertical separation of 30 feet [9.14 m] requires a liquid line size of 3/8" [9.53 mm].
- This chart may also be used to size horizontal runs.
Example 2: A 5 ton [17.58 kW] condensing unit may have a total horizontal run of 100 feet [30.48 m] if using the 3/8" [9.53 mm] liquid line. The total horizontal run if using 1/2" [12.7 mm] liquid line size will be 150 feet [45.72 m]
- Do not exceed vertical separation as indicated on the chart.
- Always use the smallest liquid line possible to minimize system charge.
- No changes required for flow-check pistons or expansion valve coils.

Suction Line Length/Size versus Capacity Multiplier								
UAKA-		018	024	030	036/037	042	048	060
Unit Suction Line Connection Size		5/8" [15.88 mm] I.D. Sweat	3/4" [19.05 mm] I.D. Sweat				1 1/8" [28.58 mm] I.D. Sweat*	
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Standard 3/4" [19.05 mm] O.D. Optional	5/8" [15.88 mm] O.D. Optional 3/4" [19.05 mm] O.D. Standard 7/8" [22.23 mm] O.D. Optional				7/8" [22.23 mm] O.D. Optional 1 1/8" [28.58 mm] O.D. Standard 1 3/8" [34.94 mm] O.D. Optional	
25' [7.62]	Optional Standard Optional	— 1.00 1.01	.98 1.00 1.01	— 1.00 1.01	— 1.00 1.01	— 1.00 1.01	.99 1.00 1.01	.99 1.00 1.01
50' [15.24]	Optional Standard Optional	— .98 1.00	.96 .99 1.00	— .99 1.00	— .98 1.00	— .97 1.00	.97 1.00 1.01	.97 .99 1.01
100' [30.48]	Optional Standard Optional	— .96 .99	.93 .98 .99	— .97 .99	— .96 .99	— .94 .98	.96 .99 1.00	.95 .99 1.00
150' [45.72]	Optional Standard Optional	— .97 .98	— .97 .98	— .95 .97	— .93 .97	— .90 .96	.93 .99 1.00	.91 .98 .99

NOTES: Capacity Multiplier x Rated Capacity = Actual Capacity.

Additional compressor oil is not required for runs up to 150 feet [45.72 m].

Oil traps in vertical runs are not required for any height up to 100 feet [30.48 m]. See Liquid Line chart for Vertical Separation Requirements and Limitations.

*Adapter to 1 1/8" [28.58 mm] factory supplied.

[] Designates Metric Conversions

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
AIR CONDITIONING
DIVISION

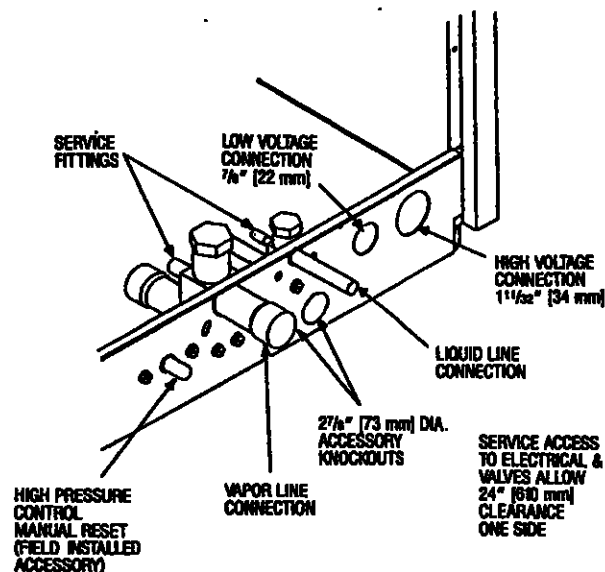
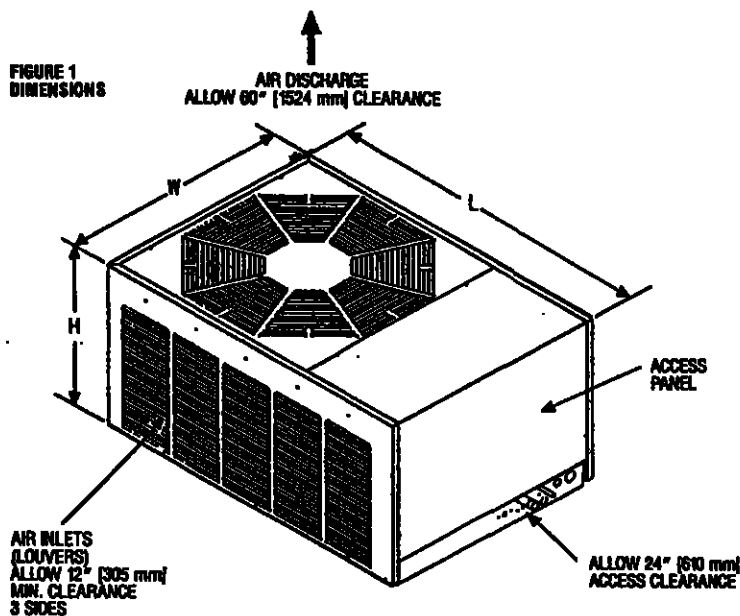
5600 Old Greenwood Road, Fort Smith, Arkansas 72908



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

Unit Dimensions

FIGURE 1
DIMENSIONS



Model Number UAKA-	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
-018/024	16 ³ / ₄ [425.45]	33 ¹¹ / ₁₆ [855.66]	23 ¹ / ₄ [590.55]
-030	20 ³ / ₄ [527.05]	33 ¹¹ / ₁₆ [855.66]	23 ¹ / ₄ [590.55]
-036/-037/-042	20 ³ / ₄ [527.05]	38 ¹¹ / ₁₆ [982.66]	27 ¹ / ₈ [688.98]
-048/-060	26 ³ / ₄ [679.45]	42 ⁹ / ₁₆ [1081.09]	31 [787.4]

[] Designates Metric Conversions

Piston Sizes (Part Number 61-23414-**)

Model Size	Evaporator Coil Piston Size
-018	53
-024	57
-030	65
-037	65
-042	73
-048	82
-060	89

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 Contact the Manufacturer for a Copy.

CompressorFive (5) Years
 *Any Other PartFive (5) Years
 Condenser Coil leaks caused by
 factory defects.....Five (5) Years

*This five year limited warranty is applicable only to single-phase products installed in residential applications on or after January 1, 2001.

PLUMBING

FIRE

Contractor: NJR HOME SERVICES
 Address: 1415 Wyckoff Rd
Wall NJ 07719
 Phone #: 732-919-8172
 Lis #: _____
 Federal Emp # or SSN 22-3609806

Contractor: _____
 Address: _____
 Phone #: _____
 Lis #: _____
 Federal Emp # or SSN _____

Technical Data

Fixtures	Quantity
Water Closets	_____
Urinals/Bidets	_____
Bath Tub	_____
Lavatory	_____
Shower	_____
Floor Drain	_____
Sink	_____
Dishwasher	_____
Drinking Fountain	_____
Washing Machine	_____
Hose Bib	_____
Gas Piping	_____
Fuel Oil Piping	_____
Water Heater	_____
Steam Boiler	_____
Hot Water Boiler	_____
Sewer Pump	_____
Interceptor/Separator	_____
Backflow Preventer	_____
Greasetrap	_____
Water Cooled A/C or Refrig. Unit	_____
Septic Tank Closure	_____
Sewer Service Connection	_____
Water Service Connection	_____
Active Solar System	_____
Auxiliary Meter	_____
Sprinkler Heads	_____
Sump Pump	_____
Other:	_____

*direct replacement
 rep air unit
 ac unit*

Estimated Cost of Plumbing Work: \$1200.-
 Signature: Winfred Johnson
 Please Print Name: Winfred Johnson

CONTRACTOR'S SEAL

Technical Data

Description of Work: _____

Heating Type: Gas Oil Electric Solar
 Heating System is New Existing
 Location of Furnace/Boiler: _____

Water Supply Source _____
 Method of Valve Supervision _____
 Local Alarm Supervision _____
 Central Supervision: _____
 Proprietary Supervision: _____

Flammable Storage Tanks	_____ capacity	_____ fuel
Combustible Storage Tanks	_____ capacity	_____ fuel
LPG Storage Tanks	_____ capacity	_____ fuel

Item	Quantity
Wet Sprinkler Heads	_____
Dry Sprinkler Heads	_____
Total	_____
Smoke Detectors	_____
Heat Detectors	_____
Total	_____
Stand Pipes	_____
Kitchen Hood Exhaust System	_____
Pre-Engineered Systems:	_____
CO2 Suppression	_____
Haloh Suppression	_____
Foam Suppression	_____
Dry Chemical	_____
Wet Chemical	_____
Gas/ Oil Fired Appliances:	_____
Number of gas/oil fired appliances	_____
Furnace	_____
Gas/Wood Fireplace	_____
Gas Logs	_____
Wood Burning Stove	_____
Other:	_____

Estimated Cost of Fire Work _____
 Signature: _____
 Print Name: _____

Township of Brick

Counter Form
(PLEASE PRINT)

Site Location: 208 Veronica Dr
 Block: 1205.02 Lot: 15
 Owner's Name: Bernard Groninger
 Owner's Mailing Address: Brick 08724
 Phone: [REDACTED]

BUILDING

Contractor: _____
 Address: _____
 Phone#: _____
 Lis #: _____
 Federal Emp # or SSN: _____

Technical Data

Description of Work: _____

Type of Work

 New Building Siding
 Addition Fence
 Alteration Pool
 Roofing Demolition
 Asbestos Abatement Sign _____ sq ft

Building Characteristics

Use Group Present: _____ Proposed: _____
 No of Stories: _____
 Height of Structure: _____
 Area of the largest floor: _____
 Area of New Building: _____
 Volume of Structure: _____
 Total Land Disturbed: _____

Cost of Alteration: _____

Cost of New Building: _____

Total Cost of Building Work: _____

Signature: _____

Please Print Name: _____

ELECTRICAL

Contractor: NJR HOME SERVICES CO
 Address: 1415 WYCKOFF RD
WALL NJ 07719
 Phone#: 732-938-7330
 Lis #: 15234
 Federal Emp # or SSN: 22-3609806

Technical Data

Item	Quantity
Lighting Fixtures	_____
Receptacles	_____
Switches	_____
Detectors	_____
Light Poles	_____
Motors w/ Fract. HP	_____
Emergency & Exit Lights	_____
Communication Points	_____
Alarm Devices/FAC Panel	_____
Total	_____

Pool	_____
Spa/Hot Tub/Storable Pool	_____
Electric Range	_____ KW
Oven/Surface Unit	_____ KW
Electric Water Heater	_____ KV
Electric Dryer	_____ KV
Dishwasher	_____ KV
Garbage Disposal	_____ H
A/C Unit - Central Air	_____ / KV
Space Heater/Air Handler	_____ KV
Baseboard Heating	_____ KW
Motors 1+ HP	_____
Transformer/Generator	_____ KV
Light Stander	_____ AMP
Service	_____ AMP
Subpanel	_____ AMI
Motor Control Center	_____ AMI
Sign/Outline Light	_____ KW
Furnace	_____
Steam Boiler	_____
Other:	_____

Direct Replacement

Estimated Cost of Electrical Work: \$1200.00

Signature: [Signature]

Please Print Name: James C. Anderson

CONTRACTOR'S SEAL