BLOCK 382.32 LOT 2 QUALIFICATION CODE C25-82 ADDRESS (SITE) 230 Essex Pl PERMIT NO. 03-4021

CONSTRUCTION PERMIT APPLICATION

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

I. IDENTIFICATION

1. Propsed Work Site at: 230 ESSex Pl
2. Name of Owner in Fee: Kevin McKee Tel. [redacted]
   Address Brick Twp 08723
   street municipality zip code
3. Ownership in Fee: Public _____ Private ✓
4. Principal Contr...
   Address ___ NJR Home Services
   License No. O 1415 Wyckoff Rd., Wall NJ 07719
   Federal Emplo Tel. 1.877.466.3657 Fax. 732-938-3010
5. Architect or Er Federal Employee No. 22-3609806
   Address ___
6. Responsible P JOHN MAINES TEL. 732-938-1151
   Tel. (____

replace furnace & A/C

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	$ 53		
2. Electrical	35		
3. Plumbing	46		
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	$		
7. Less 20% for State Plan Review			
8. Subtotal	$		
9. DCA Training Fee			
10. Subtotal			
11. Cert. of Occupancy			
12. Other			
13. TOTAL	$ 134		

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	

II. PROPOSED WORK

	Est. Cost	Plans Rec'd by	Date Recd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Resubmission Dates Rejection	Re-viewer
1. ☐ Minor Work									
2. ☐ New Building									
3. ☐ Addition									
4. ☐ Alteration									
5. ☐ Fire Protection					8-29-03		10-14-03		
6. ☑ Plumbing					8-29-03		10-10-03		
7. ☑ Electrical					9-25-03	AM	10-10-03		
8. ☐ Elevator Devices									
9. ☐ Asbestos Abat. Subch. 8									
10. ☐ Lead Hazard Abatement									
11. ☐ Demolition									
TOTAL COSTS									

OPTIONAL (for office use only)

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

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. ☐ Hotels (R-1)
2. ☐ Multi-Family (R-2)
3. ☐ Two-Family (R-3) BOCA
4. ☐ Two-Family (R-4) CABO
5. ☐ One-Family (R-3) BOCA
6. ☐ One-Family (R-4) CABO

No. of dwelling units:
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 10400979

U.C.C. F100-1 (rev. 3/96)

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. 5:32-2.15(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**
Address **1415 Wyckoff Rd., Wall NJ 07719**
Tel. 1.877.466.3657 Fax. 732-938-3010

Federal Employee No. 22-3609806

Telephone (**JOHN MAINES TEL. 732-938-1151**

Signature _____

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									
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

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

Name of Code & Edition		Name of Code & Edition			
Building	_____	Energy	_____	Other	_____
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. _____	_____	_____	_____	_____

REQUIRED INSPECTIONS

truction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. Th
cy will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conform
e approved plans and the requirements of the Uniform Construction Code.

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

equired inspections for all subcodes for one and two family dwellings are the following:

The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections sha
be made in accordance with the requirements of the building subcode;

Foundations and all walls up to grade level prior to back filling;

All structural framing and connections prior to covering with finish or infill material; plumbing underground services, roug
piping, water service, sewer, septic services and storm drains; electrical rough wiring, panels and service installations; insulatio
installations;

Installation of all finished materials, sealings of exterior joints; plumbing piping, trim and fixtures; electrical wiring, device
and fixtures; mechanical systems equipment.

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

final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issue
y violations of the approved plans and/or permit will be noted and the holder of the permit notified of discrepancies.

complete copy of approved plans must be kept on the job site.

do not understand any of this information, please ask.

Form F-170D

CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

ENTIFICATION Block 382.39 Lot 9

ork Site Location 230 Essex Pl
Brick 08723

wner in Fee Penn McKee

ddress Same

el. ([redacted]

Contractor NJR Home Services
Address 1415 Wyckoff Rd
Wall NJ 07719
Tel. (732) 938-1151
Lic. No. or Bldrs. Reg. No.
Fed. Emp. No. 22-3609806

hereby granted permission to perform the following work:

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

ESCRIPTION OF WORK:

replace furnace A/C

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

stimated Cost of Work $ 5100.-

Construction Official

Date

PAYMENTS (Office Use Only)

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

C.C. F170
v. 3/96)

1 WHITE—INSPECTOR COPY 2 CANARY—OFFICE COPY 3 PINK—OFFICE COPY 4 GOLD—APPLICANT COPY

(see reverse side

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Date Issued 09/08/2003
Control #
Permit # 03-4021

UCC NEW JERSEY
CONSTRUCTION PERMIT

IDENTIFICATION Block 382.32 Lot 2 Qual

Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Telephone [redacted]

Contractor DILLON ELECTRIC
Address 1011 WOODMILL DR
CRANBURY, NJ 08512-
Telephone (609)371-1272
Lic. No. or Bldrs. Reg. No. 7490
Federal Emp. No. 15-8607405

Is hereby granted permission to perform the following work:

[ ] BUILDING [X] PLUMBING [ ] LEAD HAZARD ABATEMENT
[X] ELECTRICAL [X] FIRE PROTECTION [ ] DEMOLITION
[ ] ELEVATOR DEVICES [ ] ASBESTOS ABATEMENT [ ] OTHER
(Subchapter 8 only)

DESCRIPTION OF WORK:
REPLACE A/C & FURNACE

PAYMENTS (Office Use Only)

Building	0
Electrical	53
Plumbing	35
Fire Protection	46
Elevator Devices	0
Other	
DCA State Permit Fee	0
Cert. of Occupancy	0
Other	
Total	134
Check No.	3848
Cash	
Collected By	TL

09/08/03 2:00PM 000000#3491
XXX04 SERV.004
#4021
ELECTRIC $53.00
PLUMBING $35.00
FIRE $46.00
XXXTOTAL $134.00
CHECK $134.00
CHANGE $0.00

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 $ 190

Construction Official

09/08/2003
Date

U.C.C. F170 (rev. 3/96) NJ OCCARS 5.24E

NJ UCCARS 5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/8/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
[redacted]
Contractor NJR HOME SERVICES
Address 1415 WYCKOFF RD
WALL TOWNSHIP, NJ 07719-
Tele.(732)938-1260
Lic. No. or Bldrs. Reg. No.
Federal Emp. No. 22-3609806

B. PLUMBING CHARACTERISTICS

Use Group Present R-5 Proposed R-5
Building Sewer Size [ ] Public Sewer [ ] Private Septic
Water Sewer Size [ ] Public Water [ ] Private Well
Estimated Cost of Plumbing Work $ 50

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Fire [ ] Elevator
[ ] Plumb. Plans Approved
Date: 8/28/03
Approved By:

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Approved By:
Date:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equip.				
Gas Piping				
Solar				
TCO				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature/Contractor Seal
[ ] Licensed Plumbing Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
0	Water Closet	0
0	Urinal / Bidet	0
0	Bath Tub	0
0	Lavatory	0
0	Shower	0
0	Floor Drain	0
0	Sink	0
0	Dishwasher	0
0	Drinking Fountain	0
0	Washing Machine	0
0	Hose Bib	0
0	Water Heater	0
0	Fuel Oil Piping	0
0	Gas Piping	0
0	Steam Boiler	0
0	Hot Water Boiler	0
0	Sewer Pump	0
0	Interceptor / Separator	0
0	Backflow Preventer	0
0	Greasetrap	0
0	Sewer Connection	0
0	Water Service Connection	0
0	Stacks	0
	Other REPLACE A/C	35
	Other	0

Administrative Surcharge $ 0
Paid [ ] Check # Minimum Fee $ 0
Collected by: TOTAL FEE $ 35
DCA State Permit Fee $ 0

U.C.C. P130 (rev. 3/96)

NJ UCCARS 5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/5/03
Control # C25-82
Permit # 03-4221

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

Block 382.32 Lot 2 Qual

Work Site Location 230 ESSEX PL

REPLACE FURNACE & A/C

Owner in Fee MCKEE, KEVIN

Address SAME

BRICK, NJ 08723-

T[redacted]

Contractor NJR HOME SERVICES

Address 1415 WYCKOFF RD

WALL TOWNSHIP, NJ 07719-

Tele.(732)938-1260

Lic. No. or Bldrs. Reg. No.

Federal Emp. No. 22-3609806

B. PLUMBING CHARACTERISTICS

Use Group Present R-5 Proposed R-5

Building Sewer Size [ ] Public Sewer [ ] Private Septic

Water Sewer Size [ ] Public Water [ ] Private Well

Estimated Cost of Plumbing Work $ 50

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Fire [ ] Elevator
[ ] Plumb. Plans Approved
Date: 8/28/03
Approved By:

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Approved By:
Date:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equip.				
Gas Piping				
Solar				
TCO				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature/Contractor Seal

[ ] Licensed Plumbing Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
0	Water Closet	0
0	Urinal / Bidet	0
0	Bath Tub	0
0	Lavatory	0
0	Shower	0
0	Floor Drain	0
0	Sink	0
0	Dishwasher	0
0	Drinking Fountain	0
0	Washing Machine	0
0	Hose Bib	0
0	Water Heater	0
0	Fuel Oil Piping	0
0	Gas Piping	0
0	Steam Boiler	0
0	Hot Water Boiler	0
0	Sewer Pump	0
0	Interceptor / Separator	0
0	Backflow Preventer	0
0	Greasetrap	0
0	Sewer Connection	0
0	Water Service Connection	0
0	Stacks	0
	Other REPLACE A/C	35
	Other	0

Administrative Surcharge $ 0

Paid [ ] Check # Minimum Fee $ 0

Collected by: TOTAL FEE $ 35

DCA State Permit Fee $ 0

U.C.C. P130 (rev. 3/96)

NJ UCCARS 5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/8/03
Control # C25-82
Permit # 03-402/

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

Block 382.32 Lot 2 Qual

Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C

Owner in Fee MCKEE, KEVIN

Address SAME
BRICK, NJ 08723-

Tele. [redacted]

Contractor NJR HOME SERVICES

Address 1415 WYCKOFF RD
WALL TOWNSHIP, NJ 07719-

Tele.(732)938-1260

Lic. No. or Bldrs. Reg. No.

Federal Emp. No. 22-3609806

B. PLUMBING CHARACTERISTICS

Use Group Present R-5 Proposed R-5

Building Sewer Size [ ] Public Sewer [ ] Private Septic

Water Sewer Size [ ] Public Water [ ] Private Well

Estimated Cost of Plumbing Work $ 50

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Fire [ ] Elevator
[ ] Plumb Plans Approved
Date: 8/28/03
Approved By:

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Approved By:
Date: 8-28-03

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equip.				
Gas Piping				
Solar				
TCO	9/C		8-28-03	

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
0	Water Closet	0
0	Urinal / Bidet	0
0	Bath Tub	0
0	Lavatory	0
0	Shower	0
0	Floor Drain	0
0	Sink	0
0	Dishwasher	0
0	Drinking Fountain	0
0	Washing Machine	0
0	Hose Bib	0
0	Water Heater	0
0	Fuel Oil Piping	0
0	Gas Piping	0
0	Steam Boiler	0
0	Hot Water Boiler	0
0	Sewer Pump	0
0	Interceptor / Separator	0
0	Backflow Preventer	0
0	Greasetrap	0
0	Sewer Connection	0
0	Water Service Connection	0
0	Stacks	0
	Other REPLACE A/C	35
	Other	0

Administrative Surcharge $ 0
Paid [ ] Check # Minimum Fee $ 0
Collected by: TOTAL FEE $ 35
DCA State Permit Fee $ 0

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature/Contractor Seal

[ ] Licensed Plumbing Contractor [ ] Exempt Applicant

U.C.C. F130 (rev. 3/96)

NJ UCCARS 5.24E
TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/8/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tel [redacted]
Contractor NJR HOME SERVICES
Address 1415 WYCKOFF RD
WALL TOWNSHIP, NJ 07719-
Tele.(732)938-1260
Lic. No. or Bldrs. Reg. No.
Federal Emp. No. 22-3609806

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-5 Proposed R-5
Constr Class Present Proposed
Heating Systems [ ] New [X] Existing [ ] HVAC
Type: [X] Gas [ ] Oil [ ] Elect [ ] Solar
[ ] Other
Location:
Total Est Cost of Fire Prot Work $ 55

Fire Alarm System
New [ ] Existing [ ]
Location of Panel:
Fire Suppression/Standpipe Sys
New [ ] Existing [ ]
Location of Main Control Valve

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Plumb [ ] Elevator
[ ] Fire Plans Approved
Date: 8-29-03
Approved By: DB

SUBCODE APPROVAL
[ ] CO [ ] CCO [X] CA
Date: 10/4/03
Approved By: [illegible]

INSPECTIONS Type	Failure	Failure	Dates (Month/Day) Approval	Initial
Alarm Sys				
Suppr Test				
Standpipe				
Fire Pump				
PreEng Sys				
Mechanical			10-10-03	DT
Smoke Ctl				
TCO				
Final			10-10-03	DT
Other				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA

Description of Work:
Water Supply Source
Method of Alarm/Suppr Sys Superv

Storage Tanks		FEE (Office Use Only)
Type: [ ] Flammable Liquid [ ] Combust Liquid [ ] LPG [ ] LNG Capacity 0 Fuel		
Alarm Systems [ ] 110v Interconnected [ ] System	NUMBER	need C.O. alarm.
Alarm Devices(smoke,heat,pulls,water/flow)	0	
Supervisory Devices (tampers,low/high air)	0	
Signalling Devices (horn/strobes, bells)	0	
Other Devices	0	
TOTAL	0	0
Suppression Systems		
Fire Pump 0 GPM Type	0	
Dry Pipe/Alarm Valves	0	
Pre-action Valves	0	
Sprinkler Heads (Dry and Wet)	0	0
Standpipes	0	0
Pre-Engineered Systems		
Wet Chemical	0	0
Dry Chemical	0	0
CO2 Suppression	0	0
Foam Suppression	0	0
Halon Suppression	0	0
Other		0
Kitchen Hood Exhaust System	0	0
Smoke Control System	0	0
Gas [ ] or Oil [ ] Fired Appliances	0	0
Other REPLACE FURNACE		46
Other		0

Administrative Surcharge	$	0
Minimum Fee	$	0
TOTAL FEE	$	46
DCA State Permit Fee	$	0

Paid [ ] Check #
Collected by:

U.C.C. F140 (rev. 3/96)

NJ UCCARS 5.24E
TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/8/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tel [redacted]
Contractor NJR HOME SERVICES
Address 1415 WYCKOFF RD
WALL TOWNSHIIP, NJ 07719-
Tele.(732)938-1260
Lic. No. or Bldrs. Reg. No.
Federal Emp. No. 22-3609806

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-5 Proposed R-5
Constr Class Present Proposed
Heating Systems [ ] New [X] Existing [ ] HVAC
Type: [X] Gas [ ] Oil [ ] Elect [ ] Solar
[ ] Other
Location:
Total Est Cost of Fire Prot Work $ 55

Fire Alarm System
New [ ] Existing [ ]
Location of Panel:
Fire Suppression/Standpipe Sys
New [ ] Existing [ ]
Location of Main Control Valve

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Plumb [ ] Elevator
[ ] Fire Plans Approved
Date: 8-29-03
Approved By:
SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved By:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Alarm Sys				
Suppr Test				
Standpipe				
Fire Pump				
PreEng Sys				
Mechanical				
Smoke Ctl				
TCO				
Final				
Other				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA

Description of Work:
Water Supply Source
Method of Alarm/Suppr Sys Superv

Storage Tanks		FEE (Office Use Only)
Type: [ ] Flammable Liquid [ ] Combust Liquid		
[ ] LPG [ ] LNG Capacity 0 Fuel		
Alarm Systems [ ] 110v Interconnected [ ] System	NUMBER	
Alarm Devices(smoke,heat,pulls,water/flow)	0	
Supervisory Devices (tampers,low/high air)	0	
Signalling Devices (horn/strobes, bells)	0	
Other Devices	0	
TOTAL	0	0
Suppression Systems		
Fire Pump 0 GPM Type	0	
Dry Pipe/Alarm Valves	0	
Pre-action Valves	0	
Sprinkler Heads (Dry and Wet)	0	0
Standpipes	0	0
Pre-Engineered Systems		
Wet Chemical	0	0
Dry Chemical	0	0
CO2 Suppression	0	0
Foam Suppression	0	0
Halon Suppression	0	0
Other		0
Kitchen Hood Exhaust System	0	0
Smoke Control System	0	0
Gas [ ] or Oil [ ] Fired Appliances	0	0
Other REPLACE FURNACE		46
Other		0

need C.O. also

Administrative Surcharge	$	0
Minimum Fee	$	0
TOTAL FEE	$	46
DCA State Permit Fee	$	0

Paid [ ] Check #
Collected by:

U.C.C. F140 (rev. 3/96)

NJ UCCARS 5.24E
TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/15/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tele. [redacted]
Contractor NJK HOME SERVICES
Address 1415 DYCKOFF RD
WALL TOWNSHIP, NJ 07719-
Tele.(732)938-1260
Lic. No. or Bldrs. Reg. No.
Federal Emp. No. 22-3609806

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present R-5 Proposed R-5
Constr Class Present Proposed
Heating Systems [ ] New [X] Existing [ ] HVAC
Type: [X] Gas [ ] Oil [ ] Elect [ ] Solar
[ ] Other
Location:
Total Est Cost of Fire Prot Work $ 55

Fire Alarm System
New [ ] Existing [ ]
Location of Panel:
Fire Suppression/Standpipe Sys
New [ ] Existing [ ]
Location of Main Control Valve

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Elect
[ ] Plumb [ ] Elevator
[ ] Fire Plans Approved
Date:
Approved By:
SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved By:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Alarm Sys				
Suppr Test				
Standpipe				
Fire Pump				
PreEng Sys				
Mechanical				
Smoke Ctl				
TCO				
Final				
Other				

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and an authorized to make this application.
Signature

D. TECHNICAL SITE DATA

Description of Work:
Water Supply Source
Method of Alarm/Suppr Sys Superv

	NUMBER	FEE (Office Use Only)
Storage Tanks		
Type: [ ] Flammable Liquid [ ] Combust Liquid [ ] LPG [ ] LNG Capacity 0 Fuel		
Alarm Systems [ ] 110v Interconnected [ ] System		
Alarm Devices(smoke,heat,pulls,water/flow)	0	
Supervisory Devices (tampers,low/high air)	0	
Signalling Devices (horn/strobes, bells)	0	
Other Devices	0	
TOTAL	0	0
Suppression Systems		
Fire Pump 0 GPM Type	0	
Dry Pipe/Alarm Valves	0	
Pre-action Valves	0	
Sprinkler Heads (Dry and Wet)	0	0
Standpipes	0	0
Pre-Engineered Systems		
Wet Chemical	0	0
Dry Chemical	0	0
CO2 Suppression	0	0
Foam Suppression	0	0
Halon Suppression	0	0
Other		0
Kitchen Hood Exhaust System	0	0
Smoke Control System	0	0
Gas [ ] or Oil [ ] Fired Appliances	0	0
Other REPLACE FURNACE		46
Other		0

Administrative Surcharge	$ 0
Minimum Fee	$ 0
TOTAL FEE	$ 46
DCA State Permit Fee	$ 0

Paid [ ] Check #
Collected by:

U.C.C. F140 (rev. 1/96)

NJ UCCARS5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/8/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tele. [redacted]
Contractor DILLON ELECTRIC
Address 1011 WOODMILL DR
CRANBURY, NJ 08512-
Tele.(609)371-1272
Lic. No. or Bldrs. Reg. No. 7490
Federal Emp. No. 15-8607405

B. ELECTRICAL CHARACTERISTICS

Use Group - Present R-5 Proposed R-5
[ ] Pole/Pad # [ ] Temporary [ ] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work $ 85

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Plumb
[ ] Fire [ ] Elevator
[ ] Elect Plans Approved
Date: 92503
Approved By: VM

SUBCODE APPROVAL
[ ] CO [ ] CCO [X] CA
Date: 10/10/03
Approved By: B

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Rough				
Temp Serv				
Const Serv				
TCO				
Other				
Service				
Final			10/10/03	B

Temp. Cut-in-Card Date Issued
Final Cut-in-Card Date Issued

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of 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 Electrical Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM	FEE (Office Use Only)
0		Lighting Fixtures	
0		Receptacles	
1		Switches	
0		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
1		TOTAL NUMBERS	35
0		Pool Permit/with UW Lights	0
0		Storable Pool/Spa/Hot Tub	0
0	0	KW Elect Range/Receptacle	0
0	0	KW Oven/Surface Unit	0
0	0	KW Elect Water Heater	0
0	0	KW Elect Dryer/Receptacle	0
0	0	KW Dishwasher	0
0	0	HP Garbage Disposal	0
1	7	KW Central A/C Unit	9
1	3	HP/KW Space Heater/Air Handler	9
0	0	Baseboard Heat	0
0	0	HP Motors 1/+ HP	0
0	0	KW Transformer/Generator	0
0	0	AMP Service	0
0	0	AMP Subpanels	0
0	0	AMP Motor Control Center	0
0	0	KW Elect Sign/Outline Light	0
		Other	0
		Other	0

Administrative Surcharge	$ 0
Paid [ ] Check # Minimum Fee	$ 0
Collected by: TOTAL FEE	$ 53
DCA State Permit Fee	$ 0

U.C.C. F120 (rev. 3/96)

NJ UCCARS5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/5/03
Control # C25-82
Permit # 03-4021

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

Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee MCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tele [redacted]
Contractor DILLON ELECTRIC
Address 1011 WOODHILL DR
CRANBURY, NJ 08512-
Tele.(609)371-1272
Lic. No. or Bldrs. Reg. No. 7490
Federal Emp. No. 15-8607405

B. ELECTRICAL CHARACTERISTICS

Use Group - Present R-5 Proposed R-5
[ ] Pole/Pad # [ ] Temporary [ ] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work $ 85

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Plumb
[ ] Fire [ ] Elevator
[ ] Elect Plans Approved
Date: 92503
Approved By: VM

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved By:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Rough				
Temp Serv				
Const Serv				
TCO				
Other				
Service				
Final				

Temp. Cut-in-Card Date Issued
Final Cut-in-Card Date Issued

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Applicant's Signature/Contractor's Seal and Signature
[ ] Licensed Electrical Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM	FEE (Office Use Only)
0		Lighting Fixtures	
0		Receptacles	
1		Switches	
0		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
1		TOTAL NUMBERS	35
0		Pool Permit/with UW Lights	0
0		Storable Pool/Spa/Hot Tub	0
0	0	KW Elect Range/Receptacle	0
0	0	KW Oven/Surface Unit	0
0	0	KW Elect Water Heater	0
0	0	KW Elect Dryer/Receptacle	0
0	0	KW Dishwasher	0
0	0	HP Garbage Disposal	0
1	7	KW Central A/C Unit	9
1	7	HP/KW Space Heater/Air Handler	9
0	0	Baseboard Heat	0
0	0	HP Motors 1/4 HP	0
0	0	KW Transformer/Generator	0
0	0	AMP Service	0
0	0	AMP Subpanels	0
0	0	AMP Motor Control Center	0
0	0	KW Elect Sign/Outline Light	0
		Other	0
		Other	0

Administrative Surcharge	$ 0
Minimum Fee	$ 0
TOTAL FEE	$ 53
DCA State Permit Fee	$ 0

Paid [ ] Check #
Collected by:

U.C.C. F120 (rev. 3/96)

NJ UCCARS5.24E

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 08/22/2003
Date Issued 9/5/03
Control # C25-82
Permit # 03-4021

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Block 382.32 Lot 2 Qual
Work Site Location 230 ESSEX PL
REPLACE FURNACE & A/C
Owner in Fee HCKEE, KEVIN
Address SAME
BRICK, NJ 08723-
Tel [redacted]
Contractor DILLON ELECTRIC
Address 1011 WOODHILL DR
CRANBURY, NJ 08512-
Tele.(609)371-1272
Lic. No. or Bldrs. Reg. No. 7490
Federal Emp. No. 15-8607405

B. ELECTRICAL CHARACTERISTICS

Use Group - Present R-5 Proposed R-5
[ ] Pole/Pad # [ ] Temporary [ ] Other
Building Occupied as Utility Co.
Estimated Cost of Electrical Work $ 85

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[X] No Plans Required
Joint Plan Review Required:
[ ] Bldg [ ] Plumb
[ ] Fire [ ] Elevator
[ ] Elect Plans Approved
Date: 9/5/03
Approved By: WM

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved By:

INSPECTIONS Type	Dates (Month/Day) Failure	Failure	Approval	Initial
Rough				
Temp Serv				
Const Serv				
TCO				
Other				
Service				
Final				

Temp. Cut-in-Card Date Issued
Final Cut-in-Card Date Issued

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[ ] Licensed Electrical Contractor [ ] Exempt Applicant

D. TECHNICAL SITE DATA

NO.	SIZE	ITEM	FEE (Office Use Only)
0		Lighting Fixtures	
0		Receptacles	
1		Switches	
0		Detectors	
0		Light Poles	
0		Motors-Fract HP	
0		Emergency & Exit Lights	
0		Communications Points	
0		Alarm Devices/F.A.C. Panel	
1		TOTAL NUMBERS	35
0		Pool Permit/with UW Lights	0
0		Storable Pool/Spa/Hot Tub	0
0	0	KW Elect Range/Receptacle	0
0	0	KW Oven/Surface Unit	0
0	0	KW Elect Water Heater	0
0	0	KW Elect Dryer/Receptacle	0
0	0	KW Dishwasher	0
0	0	HP Garbage Disposal	0
1	7	KW Central A/C Unit	9
1	3	HP/KW Space Heater/Air Handler	9
0	0	Baseboard Heat	0
0	0	HP Motors 1/+ HP	0
0	0	KW Transformer/Generator	0
0	0	AMP Service	0
0	0	AMP Subpanels	0
0	0	AMP Motor Control Center	0
0	0	KW Elect Sign/Outline Light	0
		Other	0
		Other	0

Administrative Surcharge $ 0
Paid [ ] Check # Minimum Fee $ 0
Collected by: TOTAL FEE $ 53
DCA State Permit Fee $ 0

U.C.C. F120 (rev. 3/96)

NJR
Home Services
A New Jersey Resources Company

BUILDING PERMITS PAYMENT

BLOCK: 382-32 LOT: 2 APPL CODE: cmb

MAILED TO: Brick Township 401 Chambers Bridge Rd., Brick, NJ 08723

134.00

MC KEE,KEVIN
230 ESSEX PL

Account ID . . 064537422720
BRICK TOWNSHIP

NOTE: PLEASE MAIL PERMITS TO NJR HOME SERVICE (ENCL. ENVELOPE) mf

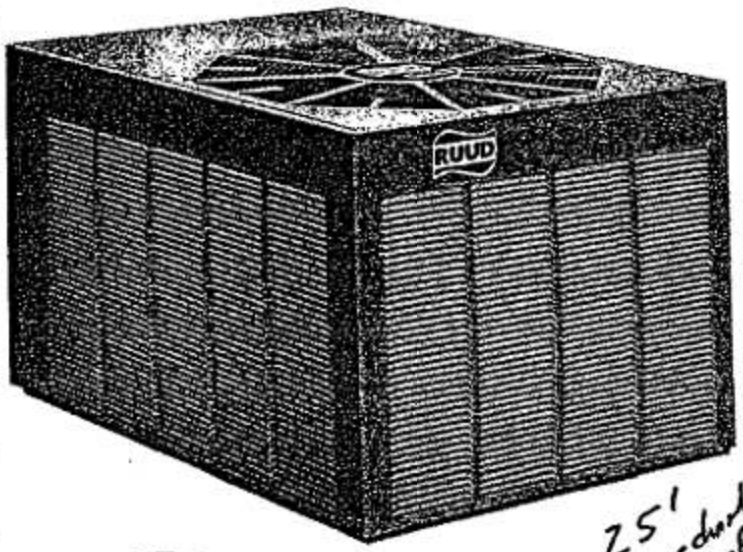
CONDENSING UNITS

RUUD®

ACHIEVER 12®
SUPER HIGH EFFICIENCY
CONDENSING UNITS

3½ ton

UAMB- SERIES
Nominal Sizes 1½ to 5 Tons
[5.28 kW] to [17.58 kW]



25 product lines

Seven Models
Cooling Capacities
18,100 to 55,000 BTU/HR
[5.30 kW] to [16.12 kW]

The Ruud® Achiever 12 Super High Efficiency UAMB- Condensing Unit was designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications.

The Ruud Achiever 12 UAMB- Condensing Units are the result of an ongoing development program for improved efficiencies. With SEER's ranging to 13.7, these units continue a tradition of high efficiency.

- 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.

energy
EPA POLLUTION PREVENTER

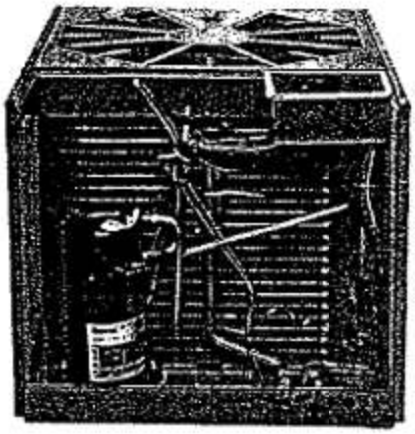
ENERGUIDE
SEER

Scroll inside®

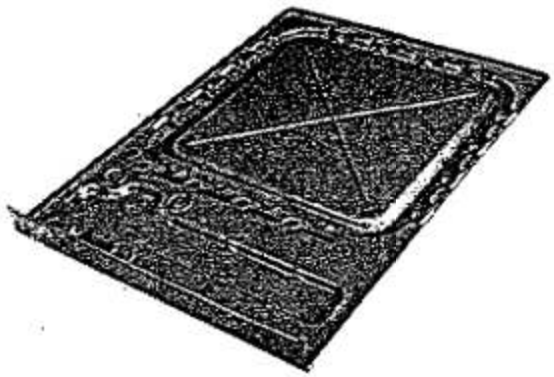
ISO 9002
Certificate Number: 3064

CERTIFIED UNDER THE A.R.I. CERTIFICATION PROGRAM—A.R.I. STANDARD 210

c UL us
LISTED



All controls and compressor are accessible for servicing by removal of the service panel.



Drawn Painted Base Pan.

Engineering Features

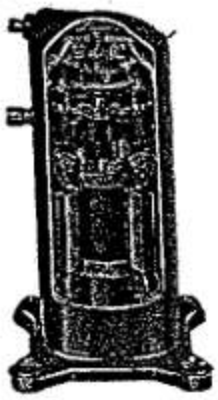
UAMB- Series Condensing Units

1. Scroll 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. Compressors have an internal pressure relief assembly to protect against excessive pressure differential.
3. All refrigerant connections are on the exterior of the unit, located close to the ground for neat appearing installations.
4. Cabinet is constructed of powder painted galvanized steel. The full wraparound louvered grille protects the coil from damage.
5. Copper Tube—Aluminum Fin coils are used on all models.
6. The control box is located in the top corner of the cabinet providing for easy access through a service panel.
7. Service valves are standard on all models.
8. Power and control wiring are kept separate.
9. Every unit is factory charged and tested.
10. Separate compressor compartment for easy service access.
11. Drawn, painted base pan for extra corrosion resistance and sound reduction.
12. **UAMB—JAZ/JBZ Series has a 10 year compressor limited warranty.** The JAZ/CAZ Series has factory-installed low pressure control, high pressure control and a liquid line filter drier. The JBZ/CBZ Series does not contain factory-installed low pressure control, high pressure or a liquid line filter drier.

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)
- **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].



COPELAND® COMPLIANT SCROLL®

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 compliant scroll compressor offers low noise and vibration characteristics and features tolerance to liquid refrigerant and system contamination. The Copeland Compliant Scroll also has low start torque, eliminating start problems in the field. And its unique design enables the UAMB- condensing unit to perform efficiently, quietly and reliably.

Model Number Identification

U	A	M	B	—	024	J	A*	Z
RUUD	CONDENSING UNIT	TYPE–M 12 SEER	DESIGN SERIES		NOMINAL COOLING CAPACITY	ELECTRICAL DESIGNATION	VARIATIONS	COMPRESSOR TYPE

018 = 18,000 BTU/HR [5.28 kW]
024 = 24,000 BTU/HR [7.03 kW]
030 = 30,000 BTU/HR [8.79 kW]
036 = 36,000 BTU/HR [10.55 kW]
042 = 42,000 BTU/HR [12.31 kW]
048 = 48,000 BTU/HR [14.07 kW]
060 = 60,000 BTU/HR [17.58 kW]

J = 208/230-1-60
C = 208/230-3-60

A = DELUXE MODEL
B = BUILDER MODEL

Z = COPELAND ZR COMPLIANT SCROLL COMPRESSOR

*See Engineering Feature #12.

[ ] Designates Metric Conversions

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					
Outdoor (ODU)	Indoor Coil (IDU) Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound dB(A)
018JAZ/JBZ	RCBA-24**+RXCT-BCA	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.05	12.00	7.6
	RCBA-24**+RXCT-BCA (UBEA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCBA-24**+RXCT-BCA (UBHA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCBA-2453	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.05	11.50	7.6
	RCBA-2453 (UBEA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	11.90	7.6
	RCBA-2453 (UBHA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	11.90	7.6
	RCGA-24A1 Ⓓ	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.05	12.00	7.6
	RCGA-24A1 (UBEA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCGA-24A1 (UBHA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCGA-24A1 (UGLH-05?BMK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.50	7.6
	RCGA-24A1 (UGLH-07?BRK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.60	7.6
	RCGA-24A1 (UGPH-05?BMK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.50	7.6
	RCGA-24A1 (UGPH-07?BRK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.60	7.6
	RCGA-24A1 (UGFD-06?MCK?)	18,500 [5.42]	13,600 [3.99]	4,900 [1.44]	12.30	13.50	7.6
	RCGA-24A1 (UGFD-07?MCK?)	18,600 [5.45]	13,700 [4.02]	4,900 [1.44]	12.40	13.60	7.6
	RCHA-24A1	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.05	12.00	7.6
	RCHA-24A1 (UBEA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCHA-24A1 (UBHA-14)	18,100 [5.30]	13,000 [3.81]	5,100 [1.49]	11.25	12.40	7.6
	RCHA-24A1 (UGLH-05?BMK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.50	7.6
	RCHA-24A1 (UGLH-07?BRK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.60	7.6
	RCHA-24A1 (UGPH-05?BMK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.50	7.6
	RCHA-24A1 (UGPH-07?BRK?)	18,600 [5.45]	13,500 [3.96]	5,100 [1.49]	12.50	13.60	7.6
	RCHA-24A1 (UGFD-06?MCK?)	18,500 [5.42]	13,600 [3.99]	4,900 [1.44]	12.30	13.50	7.6
	RCHA-24A1 (UGFD-07?MCK?)	18,600 [5.45]	13,700 [4.02]	4,900 [1.44]	12.40	13.60	7.6
	RCBA-36**+RXCT-BCL	18,700 [5.48]	13,600 [3.99]	5,100 [1.49]	11.35	12.35	7.6
	RCBA-36**+RXCT-BCL (UBHB-17)	18,800 [5.51]	13,700 [4.02]	5,100 [1.49]	11.55	12.60	7.6
	RCBA-36**+RXCT-BCL (UBHJ-17)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCGJ-24A1	18,700 [5.48]	13,600 [3.99]	5,100 [1.49]	11.35	12.35	7.6
	RCGJ-24A1 (UBHB-17)	18,800 [5.51]	13,700 [4.02]	5,100 [1.49]	11.55	12.60	7.6
	RCGJ-24A1 (UBHJ-17)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCGJ-24A1 (UGLH-05?BMK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.75	14.05	7.6
	RCGJ-24A1 (UGLH-07?BRK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCGJ-24A1 (UGPH-05?BMK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.75	14.05	7.6
	RCGJ-24A1 (UGPH-07?BRK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCGJ-24A1 (UGFD-06?MCK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.60	13.85	7.6
	RCGJ-24A1 (UGFD-07?MCK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.70	14.00	7.6
	RCHJ-24A1	18,700 [5.48]	13,600 [3.99]	5,100 [1.49]	11.35	12.35	7.6
	RCHJ-24A1 (UBHB-17)	18,800 [5.51]	13,700 [4.02]	5,100 [1.49]	11.55	12.60	7.6
	RCHJ-24A1 (UBHJ-17)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCHJ-24A1 (UGLH-05?BMK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.75	14.05	7.6
	RCHJ-24A1 (UGLH-07?BRK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCHJ-24A1 (UGPH-05?BMK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.75	14.05	7.6
	RCHJ-24A1 (UGPH-07?BRK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.90	14.20	7.6
	RCHJ-24A1 (UGFD-06?MCK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.60	13.85	7.6
	RCHJ-24A1 (UGFD-07?MCK?)	19,200 [5.63]	14,100 [4.13]	5,100 [1.49]	12.70	14.00	7.6
	RCTB-A024	18,400 [5.39]	13,500 [3.96]	4,900 [1.44]	11.20	12.20	7.6
024JAZ/JBZ	RCBA-24**+RXCT-BCB	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	12.00	7.7
	RCBA-24**+RXCT-BCB (UBEA-14)	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	12.40	7.7
	RCBA-24**+RXCT-BCB (UBHA-14)	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	12.40	7.7
	RCBA-2457	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	11.50	7.7
	RCBA-2457 (UBEA-14)	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	11.90	7.7
	RCBA-2457 (UBHA-14)	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	11.90	7.7
	RCGA-24A1 Ⓓ	22,500 [6.62]	16,500 [4.86]	6,000 [1.76]	10.50	12.00	7.7

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					
Outdoor Unit (ODU)	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER①	SEER	Sound Rating
024JAZ/JBZ	RCGA-24A2 (UBEA-14)	22,600 [6.62]	16,600 [4.86]	6,000 [1.76]	10.50	12.40	7.6
	RCGA-24A2 (UBHA-14)	22,600 [6.62]	16,600 [4.86]	6,000 [1.76]	10.50	12.40	7.6
	RCGA-24A2 (UGLH-05?BMK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.40	13.40	7.6
	RCGA-24A2 (UGLH-07?BRK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.60	13.70	7.6
	RCGA-24A2 (UGPH-05?BMK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.40	13.40	7.6
	RCGA-24A2 (UGPH-07?BRK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.60	13.70	7.6
	RCGA-24A2 (UGFD-06?MCK?)	23,000 [6.74]	17,100 [5.01]	5,900 [1.73]	11.10	13.10	7.6
	RCGA-24A2 (UGFD-07?MCK?)	23,000 [6.74]	17,100 [5.01]	5,900 [1.73]	11.30	13.30	7.6
	RCHA-24A2	22,600 [6.62]	16,600 [4.86]	6,000 [1.76]	10.50	12.00	7.6
	RCHA-24A2 (UBEA-14)	22,600 [6.62]	16,600 [4.86]	6,000 [1.76]	10.50	12.40	7.6
	RCHA-24A2 (UBHA-14)	22,600 [6.62]	16,600 [4.86]	6,000 [1.76]	10.50	12.40	7.6
	RCHA-24A2 (UGLH-05?BMK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.40	13.40	7.6
	RCHA-24A2 (UGLH-07?BRK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.60	13.70	7.6
	RCHA-24A2 (UGPH-05?BMK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.40	13.40	7.6
	RCHA-24A2 (UGPH-07?BRK?)	23,200 [6.80]	17,200 [5.04]	6,000 [1.76]	11.60	13.70	7.6
	RCHA-24A2 (UGFD-06?MCK?)	23,000 [6.74]	17,100 [5.01]	5,900 [1.73]	11.10	13.10	7.6
	RCHA-24A2 (UGFD-07?MCK?)	23,000 [6.74]	17,100 [5.01]	5,900 [1.73]	11.30	13.30	7.6
	RCBA-36**+RXCT-BCB	23,600 [6.92]	17,700 [5.19]	5,900 [1.73]	10.70	12.50	7.6
	RCBA-36**+RXCT-BCB (UBHB-17)	23,800 [6.98]	17,600 [5.16]	6,200 [1.82]	11.00	12.90	7.6
	RCBA-36**+RXCT-BCB (UBHJ-17)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.90	14.00	7.6
	RCGJ-24A2	23,600 [6.92]	17,700 [5.19]	5,900 [1.73]	10.70	12.50	7.6
	RCGJ-24A2 (UBHB-17)	23,800 [6.98]	17,600 [5.16]	6,200 [1.82]	11.00	12.90	7.6
	RCGJ-24A2 (UBHJ-17)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.90	14.00	7.6
	RCGJ-24A2 (UGLH-05?BMK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.00	14.00	7.6
	RCGJ-24A2 (UGLH-07?BRK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.10	14.30	7.6
	RCGJ-24A2 (UGPH-05?BMK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.00	14.00	7.6
	RCGJ-24A2 (UGPH-07?BRK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.10	14.30	7.6
	RCGJ-24A2 (UGFD-06?MCK?)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.70	13.70	7.6
	RCGJ-24A2 (UGFD-07?MCK?)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.80	13.90	7.6
	RCHJ-24A2	23,600 [6.92]	17,700 [5.19]	5,900 [1.73]	10.70	12.50	7.6
	RCHJ-24A2 (UBHB-17)	23,800 [6.98]	17,600 [5.16]	6,200 [1.82]	11.00	12.90	7.6
	RCHJ-24A2 (UBHJ-17)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.90	14.00	7.6
	RCHJ-24A2 (UGLH-05?BMK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.00	14.00	7.6
	RCHJ-24A2 (UGLH-07?BRK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.10	14.30	7.6
	RCHJ-24A2 (UGPH-05?BMK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.00	14.00	7.6
	RCHJ-24A2 (UGPH-07?BRK?)	24,400 [7.15]	18,200 [5.33]	6,200 [1.82]	12.10	14.30	7.6
	RCHJ-24A2 (UGFD-06?MCK?)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.70	13.70	7.6
	RCHJ-24A2 (UGFD-07?MCK?)	24,200 [7.09]	18,000 [5.27]	6,200 [1.82]	11.80	13.90	7.6
	RCTB-A024	23,000 [6.74]	17,000 [4.98]	6,000 [1.76]	10.50	12.20	7.6
	RCTH-A024	23,200 [6.80]	17,300 [5.07]	5,900 [1.73]	10.50	12.30	7.6
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① Highest sales volume tested combination required by D.O.E. test procedures.

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					
Outdoor Unit [AHRI]	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	CSEER	Sound Rating [dB(A)]
030JAZ/JBZ	RCGA-37A1 (UGLH-07?BRK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.40	13.30	7.2
	RCGA-37A1 (UGPH-05?BMK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.20	13.00	7.2
	RCGA-37A1 (UGPH-07?BRK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.40	13.30	7.2
	RCGA-37A1 (UGFD-06?MCK?)	30,000 [8.79]	21,600 [6.33]	8,400 [2.46]	10.80	12.50	7.2
	RCGA-37A1 (UGFD-07?MCK?)	30,000 [8.79]	21,600 [6.33]	8,400 [2.46]	10.90	12.70	7.2
	RCHA-36A1	29,600 [8.67]	21,200 [6.21]	8,400 [2.46]	10.50	12.00	7.2
	RCHA-36A1 (UBEA-17)	29,800 [8.73]	21,400 [6.27]	8,400 [2.46]	10.60	12.40	7.2
	RCHA-36A1 (UBHA-17)	29,800 [8.73]	21,400 [6.27]	8,400 [2.46]	10.60	12.40	7.2
	RCHA-37A1 (UGLH-05?BMK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.20	13.00	7.2
	RCHA-37A1 (UGLH-07?BRK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.40	13.30	7.2
	RCHA-37A1 (UGPH-05?BMK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.20	13.00	7.2
	RCHA-37A1 (UGPH-07?BRK?)	30,200 [8.85]	21,800 [6.39]	8,400 [2.46]	11.40	13.30	7.2
	RCHA-37A1 (UGFD-06?MCK?)	30,000 [8.79]	21,600 [6.33]	8,400 [2.46]	10.80	12.50	7.2
	RCHA-37A1 (UGFD-07?MCK?)	30,000 [8.79]	21,600 [6.33]	8,400 [2.46]	10.90	12.70	7.2
	RCBA-48**+RXCT-BCG	30,400 [8.91]	21,800 [6.39]	8,600 [2.52]	10.60	12.30	7.2
	RCBA-48**+RXCT-BCG (UBHB-21)	30,600 [8.97]	22,000 [6.50]	8,600 [2.52]	10.80	12.60	7.2
	RCBA-48**+RXCT-BCG (UBHJ-21)	31,000 [9.08]	22,400 [6.57]	8,600 [2.52]	11.60	13.60	7.2
	RCGJ-36A2	30,400 [8.91]	21,800 [6.39]	8,600 [2.52]	10.60	12.30	7.2
	RCGJ-36A2 (UBHB-21)	30,600 [8.97]	22,000 [6.50]	8,600 [2.52]	10.80	12.60	7.2
	RCGJ-36A2 (UBHJ-21)	31,000 [9.08]	22,400 [6.57]	8,600 [2.52]	11.60	13.60	7.2
	RCGJ-36A2 (UGLH-05?BMK?)	31,000 [9.08]	22,600 [6.62]	8,400 [2.46]	11.50	13.50	7.2
	RCGJ-36A2 (UGLH-07?BRK?)	31,200 [9.14]	22,800 [6.68]	8,400 [2.46]	11.70	13.70	7.2
	RCGJ-36A2 (UGPH-05?BMK?)	31,000 [9.08]	22,600 [6.62]	8,400 [2.46]	11.50	13.50	7.2
	RCGJ-36A2 (UGPH-07?BRK?)	31,200 [9.14]	22,800 [6.68]	8,400 [2.46]	11.70	13.70	7.2
	RCGJ-36A2 (UGFD-06?MCK?)	30,800 [9.03]	22,400 [6.57]	8,400 [2.46]	11.00	12.90	7.2
	RCGJ-36A2 (UGFD-07?MCK?)	30,800 [9.03]	22,400 [6.57]	8,400 [2.46]	11.20	13.10	7.2
	RCHJ-36A2	30,400 [8.91]	21,800 [6.39]	8,600 [2.52]	10.60	12.30	7.2
	RCHJ-36A2 (UBHB-21)	30,600 [8.97]	22,000 [6.50]	8,600 [2.52]	10.80	12.60	7.2
	RCHJ-36A2 (UBHJ-21)	31,000 [9.08]	22,400 [6.57]	8,600 [2.52]	11.60	13.60	7.2
	RCHJ-36A2 (UGLH-05?BMK?)	31,000 [9.08]	22,600 [6.62]	8,400 [2.46]	11.50	13.50	7.2
	RCHJ-36A2 (UGLH-07?BRK?)	31,200 [9.14]	22,800 [6.68]	8,400 [2.46]	11.70	13.70	7.2
	RCHJ-36A2 (UGPH-05?BMK?)	31,000 [9.08]	22,600 [6.62]	8,400 [2.46]	11.50	13.50	7.2
	RCHJ-36A2 (UGPH-07?BRK?)	31,200 [9.14]	22,800 [6.68]	8,400 [2.46]	11.70	13.70	7.2
	RCHJ-36A2 (UGFD-06?MCK?)	30,800 [9.03]	22,400 [6.57]	8,400 [2.46]	11.00	12.90	7.2
	RCHJ-36A2 (UGFD-07?MCK?)	30,800 [9.03]	22,400 [6.57]	8,400 [2.46]	11.20	13.10	7.2
	RCTB-A036	29,600 [8.67]	21,400 [6.27]	8,200 [2.40]	10.35	12.00	7.2
	RCTH-A036	29,600 [8.67]	21,400 [6.27]	8,200 [2.40]	10.35	12.00	7.2
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① Highest sales volume tested combination required by D.O.E. test procedures.

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air / 95°F [35°C] DB Outdoor Air					
Outdoor Unit (ODU)	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Cooling Capacity BTU/H [kW]	Heat Pump Heating Capacity BTU/H [kW]	EER	SEER	Sound Rating
036JAZ/JBZ/CAZ/CBZ	RCGA-36A2 (UGPH-05?BMK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCGA-36A2 (UGPH-05?BMM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCGA-36A2 (UGPH-07?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCGA-36A2 (UGPH-07?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCGA-36A2 (UGPH-10?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCGA-36A2 (UGPH-10?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCGA-36A2 (UGFD-06?MCK?)	34,400 [10.08]	24,600 [7.21]	9,800 [2.87]	10.60	12.20	7.2
	RCGA-36A2 (UGFD-07?MCK?)	34,600 [10.14]	24,800 [7.27]	9,800 [2.87]	10.90	12.60	7.2
	RCGA-36A2 (UGFD-09?ZCM?)	35,000 [10.26]	25,200 [7.39]	9,800 [2.87]	11.45	13.20	7.2
	RCGA-36A2 (UGFD-10?ZCM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.30	13.10	7.2
	RCHA-36A1	34,200 [10.02]	24,400 [7.15]	9,800 [2.87]	10.50	12.00	7.2
	RCHA-36A1 (UBEA-17)	34,400 [10.08]	24,600 [7.21]	9,800 [2.87]	10.70	12.40	7.2
	RCHA-36A1 (UBHA-17)	34,400 [10.08]	24,600 [7.21]	9,800 [2.87]	10.70	12.40	7.2
	RCHA-36A2 (UGLH-05?BMK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCHA-36A2 (UGLH-05?BMM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCHA-36A2 (UGLH-07?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCHA-36A2 (UGLH-07?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCHA-36A2 (UGLH-10?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCHA-36A2 (UGLH-10?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCHA-36A2 (UGPH-05?BMK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCHA-36A2 (UGPH-05?BMM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.20	12.90	7.2
	RCHA-36A2 (UGPH-07?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCHA-36A2 (UGPH-07?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.35	13.10	7.2
	RCHA-36A2 (UGPH-10?BRK?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCHA-36A2 (UGPH-10?BRM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.10	12.80	7.2
	RCHA-36A2 (UGFD-06?MCK?)	34,400 [10.08]	24,600 [7.21]	9,800 [2.87]	10.60	12.20	7.2
	RCHA-36A2 (UGFD-07?MCK?)	34,600 [10.14]	24,800 [7.27]	9,800 [2.87]	10.90	12.60	7.2
	RCHA-36A2 (UGFD-09?ZCM?)	35,000 [10.26]	25,200 [7.39]	9,800 [2.87]	11.45	13.20	7.2
	RCHA-36A2 (UGFD-10?ZCM?)	34,800 [10.20]	25,000 [7.33]	9,800 [2.87]	11.30	13.10	7.2
	RCBA-48**+RXCT-BCH	35,600 [10.43]	25,800 [7.56]	9,800 [2.87]	10.80	12.40	7.2
	RCBA-48**+RXCT-BCH (UBHB-21)	35,800 [10.49]	26,000 [7.62]	9,800 [2.87]	11.10	12.80	7.2
	RCBA-48**+RXCT-BCH (UBHJ-21)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.70	13.60	7.2
	RCGJ-36A2	35,600 [10.43]	25,800 [7.56]	9,800 [2.87]	10.80	12.40	7.2
	RCGJ-36A2 (UBHB-21)	35,800 [10.49]	26,000 [7.62]	9,800 [2.87]	11.10	12.80	7.2
	RCGJ-36A2 (UBHJ-21)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.70	13.60	7.2
	RCGJ-36A2 (UGLH-05?BMK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCGJ-36A2 (UGLH-05?BMM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCGJ-36A2 (UGLH-07?BRK?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCGJ-36A2 (UGLH-07?BRM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCGJ-36A2 (UGLH-10?BRK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCGJ-36A2 (UGLH-10?BRM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCGJ-36A2 (UGPH-05?BMK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCGJ-36A2 (UGPH-05?BMM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCGJ-36A2 (UGPH-07?BRK?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCGJ-36A2 (UGPH-07?BRM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCGJ-36A2 (UGPH-10?BRK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCGJ-36A2 (UGPH-10?BRM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCGJ-36A2 (UGFD-06?MCK?)	35,800 [10.49]	26,000 [7.62]	9,800 [2.87]	11.00	12.70	7.2
	RCGJ-36A2 (UGFD-07?MCK?)	36,000 [10.55]	26,200 [7.68]	9,800 [2.87]	11.30	13.10	7.2
	RCGJ-36A2 (UGFD-09?ZCM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.90	13.70	7.2
	RCGJ-36A2 (UGFD-10?ZCM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.70	13.60	7.2
	RCGJ-36A2 (UGFD-12?RCM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.70	7.2
	RCHJ-36A2	35,600 [10.43]	25,800 [7.56]	9,800 [2.87]	10.80	12.40	7.2

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

[ ] Designates Metric Conversions

Performance Data @ All Standard Conditions - Cooling (continued)

Outdoor Unit [AMB]	Model Numbers → Indoor Coil and/or Air Handler/Gas Furnace	80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air, 95°F [35°C] DB Outdoor Air: Total Capacity BTU/H [kW]	Sensible BTU/H [kW]	Input BTU/H [kW]	EER	SEER	Sound Rating
036JAZ/JBZ/ CAZ/CBZ	RCHJ-36A2 (UBHB-21)	35,800 [10.49]	26,000 [7.62]	9,800 [2.87]	11.10	12.80	7.2
	RCHJ-36A2 (UBHJ-21)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.70	13.60	7.2
	RCHJ-36A2 (UGLH-057BMK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCHJ-36A2 (UGLH-057BMM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCHJ-36A2 (UGLH-07?BRK?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCHJ-36A2 (UGLH-07?BRM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCHJ-36A2 (UGLH-10?BRK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCHJ-36A2 (UGLH-10?BRM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCHJ-36A2 (UGPH-057BMK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCHJ-36A2 (UGPH-057BMM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.60	13.40	7.2
	RCHJ-36A2 (UGPH-07?BRK?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCHJ-36A2 (UGPH-07?BRM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.60	7.2
	RCHJ-36A2 (UGPH-10?BRK?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCHJ-36A2 (UGPH-10?BRM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.50	13.30	7.2
	RCHJ-36A2 (UGFD-067MCK?)	35,800 [10.49]	26,000 [7.62]	9,800 [2.87]	11.00	12.70	7.2
	RCHJ-36A2 (UGFD-077MCK?)	36,000 [10.55]	26,200 [7.68]	9,800 [2.87]	11.30	13.10	7.2
	RCHJ-36A2 (UGFD-097ZCM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.90	13.70	7.2
	RCHJ-36A2 (UGFD-107ZCM?)	36,200 [10.61]	26,400 [7.74]	9,800 [2.87]	11.70	13.60	7.2
	RCHJ-36A2 (UGFD-127RCM?)	36,400 [10.67]	26,600 [7.80]	9,800 [2.87]	11.80	13.70	7.2
	RCTB-A036	34,400 [10.08]	25,000 [7.33]	9,400 [2.75]	10.50	12.00	7.2
	RCTH-A036	34,400 [10.08]	25,000 [7.33]	9,400 [2.75]	10.50	12.10	7.2
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air / 95°F [35°C] DB Outdoor Air					
Outdoor Unit [AMB]	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Sensible BTU/H [kW]	Net Water BTU/H [kW]	EER	EER	Sound Rating
042JAZ/JBZ/CAZ/C8Z	RCGJ-48A1	42,000 [12.31]	30,400 [8.91]	11,600 [3.40]	10.60	12.40	7.8
	RCGJ-48A1 (UBHB-24)	42,000 [12.31]	30,300 [8.88]	11,700 [3.43]	10.90	12.60	7.8
	RCGJ-48A1 (UBHJ-24)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCGJ-48A1 (UGLH-07?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCGJ-48A1 (UGLH-10?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.10	13.00	7.8
	RCGJ-48A1 (UGLH-12?ARM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.00	7.8
	RCGJ-48A1 (UGPH-07?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCGJ-48A1 (UGPH-10?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.10	13.00	7.8
	RCGJ-48A1 (UGPH-12?ARM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.00	7.8
	RCGJ-48A1 (UGFD-09?ZCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCGJ-48A1 (UGFD-10?ZCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCGJ-48A1 (UGFD-12?RCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCHJ-48A1	42,000 [12.31]	30,400 [8.91]	11,600 [3.40]	10.60	12.40	7.8
	RCHJ-48A1 (UBHB-24)	42,000 [12.31]	30,300 [8.88]	11,700 [3.43]	10.90	12.60	7.8
	RCHJ-48A1 (UBHJ-24)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCHJ-48A1 (UGLH-07?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCHJ-48A1 (UGLH-10?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.10	13.00	7.8
	RCHJ-48A1 (UGLH-12?ARM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.00	7.8
	RCHJ-48A1 (UGPH-07?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.40	13.40	7.8
	RCHJ-48A1 (UGPH-10?BRM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.10	13.00	7.8
	RCHJ-48A1 (UGPH-12?ARM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.00	7.8
	RCHJ-48A1 (UGFD-09?ZCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCHJ-48A1 (UGFD-10?ZCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCHJ-48A1 (UGFD-12?RCM?)	42,500 [12.46]	30,800 [9.03]	11,700 [3.43]	11.20	13.10	7.8
	RCTB-A048	40,500 [11.87]	29,400 [8.62]	11,100 [3.25]	10.30	12.00	7.8
	RCTH-A048	41,000 [12.02]	29,800 [8.73]	11,200 [3.28]	10.40	12.00	7.8
[redacted]	RCGA-48A1 (RXQT-BCK)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.00	7.8
	RCGA-48A1 (RXQT-BCK (UBEA-20))	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCGA-48A1 (RXQT-BCK (UBHA-20))	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCGA-48A1 (UBEA-20)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCGA-48A1 (UBHA-20)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCGA-48A1 (UGLH-07?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCGA-48A1 (UGLH-10?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCGA-48A1 (UGLH-12?ARM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCGA-48A1 (UGPH-07?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCGA-48A1 (UGPH-10?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCGA-48A1 (UGPH-12?ARM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCGA-48A1 (UGFD-09?ZCM?)	47,000 [13.77]	32,500 [9.53]	11,500 [4.25]	10.90	12.40	7.8
	RCGA-48A1 (UGFD-10?ZCM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCGA-48A1 (UGFD-12?RCM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.20	7.8
	RCHA-48A1 (RXQT-BCK)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.00	7.8
	RCHA-48A1 (RXQT-BCK (UBEA-20))	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCHA-48A1 (RXQT-BCK (UBHA-20))	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCHA-48A1 (UBEA-20)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCHA-48A1 (UBHA-20)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCHA-48A1 (UGLH-07?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.60	12.40	7.8
	RCHA-48A1 (UGLH-10?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCHA-48A1 (UGLH-12?ARM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCHA-48A1 (UGPH-07?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.80	12.40	7.8
	RCHA-48A1 (UGPH-10?BRM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCHA-48A1 (UGPH-12?ARM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCHA-48A1 (UGFD-09?ZCM?)	47,000 [13.77]	32,500 [9.53]	11,500 [4.25]	10.90	12.40	7.8
	RCHA-48A1 (UGFD-10?ZCM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.40	7.8
	RCHA-48A1 (UGFD-12?RCM?)	46,500 [13.63]	32,000 [9.38]	11,500 [4.25]	10.90	12.20	7.8
	RCGA-60A1 (RXQT-BCK)	58,000 [17.07]	43,300 [12.69]	14,600 [4.28]	10.90	12.30	7.8

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					
Outdoor Unit (UAMB)	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating
048JAZ/JBZ/ CAZ/CBZ	RCBA-60**+RXCT-BCK (UBHB-24)	48,000 [14.07]	33,400 [9.79]	14,600 [4.28]	11.10	12.60	7.8
	RCBA-60**+RXCT-BCK (UBHJ-24)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.40	13.00	7.8
	RCGJ-60A1	48,000 [14.07]	33,400 [9.79]	14,600 [4.28]	10.90	12.30	7.8
	RCGJ-60A1 (UBHB-24)	48,000 [14.07]	33,400 [9.79]	14,600 [4.28]	11.10	12.60	7.8
	RCGJ-60A1 (UBHJ-24)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.40	13.00	7.8
	RCGJ-60A1 (UGLH-107BRM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCGJ-60A1 (UGLH-127ARM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCGJ-60A1 (UGPH-107BRM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCGJ-60A1 (UGPH-127ARM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCGJ-60A1 (UGFD-097ZCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCGJ-60A1 (UGFD-107ZCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCGJ-60A1 (UGFD-127RCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.50	7.8
	RCHJ-48A2	48,000 [14.07]	33,400 [9.79]	14,600 [4.28]	10.90	12.30	7.8
	RCHJ-48A2 (UBHB-24)	48,000 [14.07]	33,400 [9.79]	14,600 [4.28]	11.10	12.60	7.8
	RCHJ-48A2 (UBHJ-24)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.40	13.00	7.8
	RCHJ-48A2 (UGLH-107BRM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCHJ-48A2 (UGLH-127ARM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCHJ-48A2 (UGPH-107BRM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCHJ-48A2 (UGPH-127ARM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCHJ-48A2 (UGFD-097ZCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.20	12.70	7.8
	RCHJ-48A2 (UGFD-107ZCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.60	7.8
	RCHJ-48A2 (UGFD-127RCM?)	48,000 [14.07]	33,500 [9.82]	14,500 [4.25]	11.10	12.50	7.8
	RCTB-A060	46,500 [13.63]	32,600 [9.55]	13,900 [4.07]	10.60	12.00	7.8
	RCTH-A060	45,500 [13.33]	32,200 [9.44]	13,300 [3.90]	10.40	12.00	7.8
060JAZ/JBZ/ CAZ/CBZ	RCBA-60**+RXCT-BCK	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.60	12.00	7.8
	RCBA-60**+RXCT-BCK (UBEA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCBA-60**+RXCT-BCK (UBHA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCBA-6089	55,000 [16.12]	38,500 [11.28]	16,500 [4.84]	10.80	12.00	7.8
	RCBA-6089 (UBEA-24)	55,000 [16.12]	38,500 [11.28]	16,500 [4.84]	10.80	12.00	7.8
	RCBA-6089 (UBHA-24)	55,000 [16.12]	38,500 [11.28]	16,500 [4.84]	10.80	12.00	7.8
	RCGA-60A1	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.60	12.00	7.8
	RCGA-60A1 (UBEA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCGA-60A1 (UBHA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCGA-60A1 (UBHB-25)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCGA-60A1 (UBHJ-25)	55,500 [16.27]	38,500 [11.28]	17,000 [4.98]	11.20	12.60	7.8
	RCGA-60A1 (UGLH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCGA-60A1 (UGPH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCGA-60A1 (UGFD-127RCM?)	54,500 [15.97]	37,533 [11.00]	16,967 [4.97]	10.55	11.90	7.8
	RCGJ-60A1	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.60	12.00	7.8
	RCGJ-60A1 (UBHB-25)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCGJ-60A1 (UBHJ-25)	55,500 [16.27]	38,500 [11.28]	17,000 [4.98]	11.20	12.60	7.8
	RCGJ-60A1 (UGLH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCGJ-60A1 (UGPH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCGJ-60A1 (UGFD-127RCM?)	54,500 [15.97]	37,533 [11.00]	16,967 [4.97]	10.55	11.90	7.8
	RCHA-60A1	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.60	12.00	7.8
	RCHA-60A1 (UBEA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCHA-60A1 (UBHA-24)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCHA-60A1 (UBHB-25)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCHA-60A1 (UBHJ-25)	55,500 [16.27]	38,500 [11.28]	17,000 [4.98]	11.20	12.60	7.8
	RCHA-60A1 (UGLH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCHA-60A1 (UGPH-127ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCHA-60A1 (UGFD-127RCM?)	54,500 [15.97]	37,533 [11.00]	16,967 [4.97]	10.55	11.90	7.8

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (continued)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air, 95°F [35°C] DB Outdoor Air					
Outdoor Unit (RUUAMB)	Indoor Coil and/or Air Handler/Gas Furnace	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating
060JAZ/JBZ/ CAZ/CBZ	RCHJ-60A1	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.60	12.00	7.8
	RCHJ-60A1 (UBHB-25)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.00	7.8
	RCHJ-60A1 (UBHJ-25)	55,500 [16.27]	38,500 [11.28]	17,000 [4.98]	11.20	12.60	7.8
	RCHJ-60A1 (UGLH-12?ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCHJ-60A1 (UGPH-12?ARM?)	55,000 [16.12]	38,033 [11.15]	16,967 [4.97]	10.80	12.10	7.8
	RCHJ-60A1 (UGFD-12?RCM?)	54,500 [15.97]	37,533 [11.00]	16,967 [4.97]	10.55	11.90	7.8
	RCTB-A060	53,500 [15.68]	36,500 [10.70]	17,000 [4.98]	10.85	12.00	7.8
	RCTH-A060	54,000 [15.83]	37,287 [10.93]	16,713 [4.90]	10.45	11.10	7.8

Electrical and Physical Data

Model No. (RUUAMB)	ELECTRICAL							PHYSICAL					
								Outdoor Coil			R22 Oz. [g]	Weight	
	Phase, Hertz, Volts	Compr. RLA	Compr. LRA	Fan Motor FLA	Min. Circuit Ampacity Amps	Fuse or HACR Circuit Breaker Min. Amps	Fuse or HACR Circuit Breaker Max. Amps	Face Area Sq. Ft. [m²]	No. Rows	Fan CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
018JA/JB	1-60-208/230	9.0/9.0	41	.9	13/13	15/15	20/20	9.1 [.845]	1.00	1960 [925]	60 [1701]	150 [68.0]	160 [72.6]
024JA/JB	1-60-208/230	10.9/10.9	54	.9	15/15	20/20	25/25	9.1 [.845]	1.00	1950 [920]	66 [1871]	155 [70.3]	165 [74.8]
030JA/JB	1-60-208/230	13.5/13.5	72.5	1.3	19/19	25/25	30/30	11.0 [1.022]	1.00	2700 [1274]	77 [2183]	169 [76.7]	179 [81.2]
036CA/CB	3-60-208/230	10.3/10.3	77	1.3	15/15	20/20	20/20	12.9 [1.198]	1.00	4200 [1982]	93 [2637]	188 [85.2]	198 [89.8]
036JA/JB	1-60-208/230	16.1/16.1	88	1.3	22/22	30/30	35/35	12.9 [1.198]	1.00	4200 [1982]	93 [2637]	188 [85.2]	198 [89.8]
042CA/CB	3-60-208/230	12.5/12.5	88	2.0	18/18	25/25	25/25	12.9 [1.198]	1.00	4150 [1959]	96 [2722]	193 [87.5]	203 [92.0]
042JA/JB	1-60-208/230	18.0/18.0	104	2.0	25/25	30/30	40/40	12.9 [1.198]	1.00	4150 [1959]	96 [2722]	193 [87.5]	203 [92.0]
048CA/CB	3-60-208/230	12.9/12.9	91	2.0	19/19	25/25	30/30	15.4 [1.431]	2.00	3800 [1793]	162 [4593]	255 [115.7]	265 [120.2]
048JA/JB	1-60-208/230	19.3/19.3	137	2.0	27/27	35/35	45/45	15.4 [1.431]	2.00	3800 [1793]	162 [4593]	255 [115.7]	265 [120.2]
060CA/CB	3-60-208/230	17.3/17.3	123	2.0	24/24	30/30	40/40	20.8 [1.932]	2.00	3995 [1885]	192 [5443]	309 [140.2]	332 [150.6]
060JA/JB	1-60-208/230	28.9/28.9	169	2.0	38/38	50/50	60/60	20.8 [1.932]	2.00	3995 [1885]	192 [5443]	309 [140.2]	332 [150.6]

[ ] Designates Metric Conversions

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.

Condenser Coil leaks caused by factory defects.....Five (5) Years
Compressor—Single Phase Models .....Ten (10) Years
Compressor—Three Phase Models .....Five (5) Years
Any Other Part.....One (1) Year

***For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.**

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

Condensing Unit Refrigerant Line Size Information

System Capacity (Btuh) (kW)	Line Size (inch O.D.) (in mm)	Liquid Line Size — Outdoor Unit Above Indoor Coil — Total Length — Feet (m)						Liquid Line Size — Outdoor Unit Below Indoor Coil — 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]
2.5 [8.79]	1/4* [6.35]	25 [7.62]	50 [15.24]					25 [7.62]	23 [7.01]				8 [2.44]
	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 [.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 [.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:

① This chart is applicable for condensing units.

② 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)

③ Do not exceed 120 feet [36.58 m] maximum vertical separation.

④ No changes are required for expansion valve coils.

⑤ Do not exceed table values for capillary tube coils.

⑥ Always use the smallest liquid line possible to minimize system charge.

⑦ Chart may be used to size horizontal runs.

NOTES:

① 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 5/16" [7.94 mm].

② 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]

③ Do not exceed vertical separation as indicated on the chart.

④ Always use the smallest liquid line possible to minimize system charge.

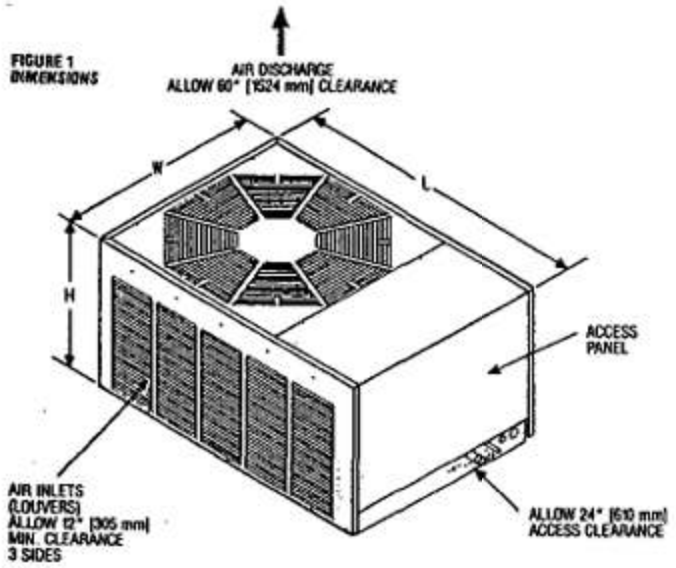
⑤ No changes required for flow-check pistons or expansion valve coils.

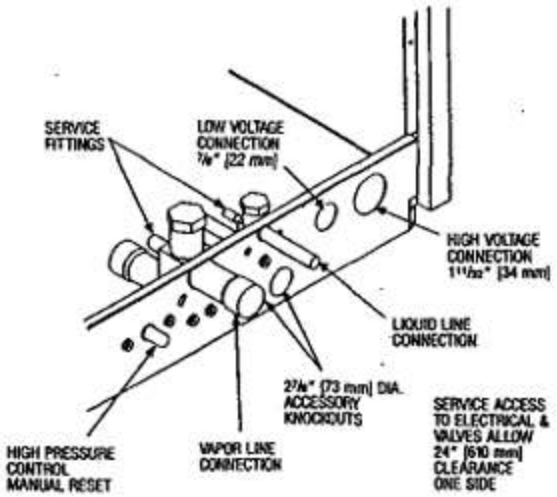
Suction Line Length/Size versus Capacity Multiplier								
UAMB-		018	024	030	036	042	048	060
Unit Suction Line Connection Size		7/8" [19.05 mm] I.D. Sweat			1 1/8" [22.23 mm] I.D. Sweat	1 3/8" [28.58 mm] I.D. Sweat*		
Suction Line Run — Feet (m)		7/8" [15.88 mm] O.D. Optional 7/8" [19.05 mm] O.D. Standard 1 1/8" [22.23 mm] O.D. Optional			7/8" [19.05 mm] O.D. Optional 1 1/8" [22.23 mm] O.D. Standard 1 3/8" [28.58 mm] O.D. Optional	1 1/8" [22.23 mm] O.D. Optional 1 3/8" [28.58 mm] O.D. Standard 1 5/8" [34.94 mm] O.D. Optional		
25' [7.62]	Optional	.98	.98	—	.99	.99	.99	.99
	Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Optional	1.01	1.01	1.01	1.01	1.01	1.01	1.01
50' [15.24]	Optional	.96	.96	—	.97	.97	.97	.97
	Standard	.99	.99	.99	.99	1.00	1.00	.99
	Optional	1.00	1.00	1.00	1.01	1.01	1.01	1.01
100' [30.48]	Optional	.93	.93	—	.93	.96	.96	.95
	Standard	.99	.98	97	.98	.99	.99	.99
	Optional	1.00	.99	.99	1.00	1.00	1.00	1.00
150' [45.72]	Optional	—	—	—	—	.93	.93	.93
	Standard	.98	.97	.95	.97	.99	.99	.98
	Optional	1.00	.98	.97	.99	1.00	1.00	.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 125 feet [38.10 m]. See Liquid Line chart for Vertical Separation Requirements and Limitations.
* Adapter to 1 1/8" [28.58 mm] factory supplied.

[ ] Designates Metric Conversions

Unit Dimensions





Model Number UAMB	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
018/024	20 3/4 [527.05]	33 11/16 [855.66]	23 1/4 [590.55]
030	20 3/4 [527.05]	38 11/16 [982.66]	27 1/8 [688.98]
036/042	20 3/4 [527.05]	42 9/16 [1081.09]	31 [787.40]
048	26 3/4 [679.49]	42 9/16 [1081.09]	31 [787.40]
060	34 3/4 [882.65]	43 [1092.20]	31 [787.40]

[ ] 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

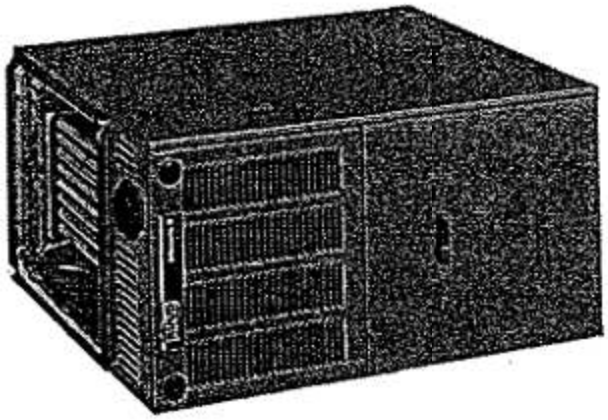
"In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice."

PRINTED IN U.S.A. 1-99 DC

FORM NO. A22-158

FORM NO. G22-448 REV. 8
Supersedes Form No. G22-448 Rev. 7

GAS FURNACES



UGPH- SERIES
Models with Input Rates from 45,000 to 150,000 BTU/HR [13 to 44 kW] (U.S. & Canadian Models)

RUUD®

SILHOUETTE® II 80.0%–81.7% A.F.U.E.† UPFLOW/ HORIZONTAL GAS FURNACES

The Ruud® Silhouette® II line of upflow/horizontal gas furnaces are designed for utility rooms, closets, alcoves, or attics. **Because of the Silhouette's low-profile 34 inch [864 mm] height, the upflow model can also be used to satisfy most applications that traditionally call for a horizontal furnace.**

The design is certified by the American Gas Association. Canadian models are certified by the Canadian Gas Association.

Features

- Patented Heat Exchanger, constructed of both stainless and aluminized steel for the maximum in corrosion resistance.
- Low profile "34 inch" design is lighter and easier to handle, and leaves room for optional equipment.
- Convertible from upflow to horizontal left or right without field conversion.
- Left or right side gas and electric inlet connections with quick, simple change.
- Direct spark ignition models utilize remote sense and feature an integrated board with humidifier and electronic air cleaner hookups.
- Insulated blower compartment helps to reduce jacket loss and noise.
- Pre-paint galvanized steel cabinet.
- Molded permanent filter.
- Grab-holes in doors to aid in easy door removal and replacement.

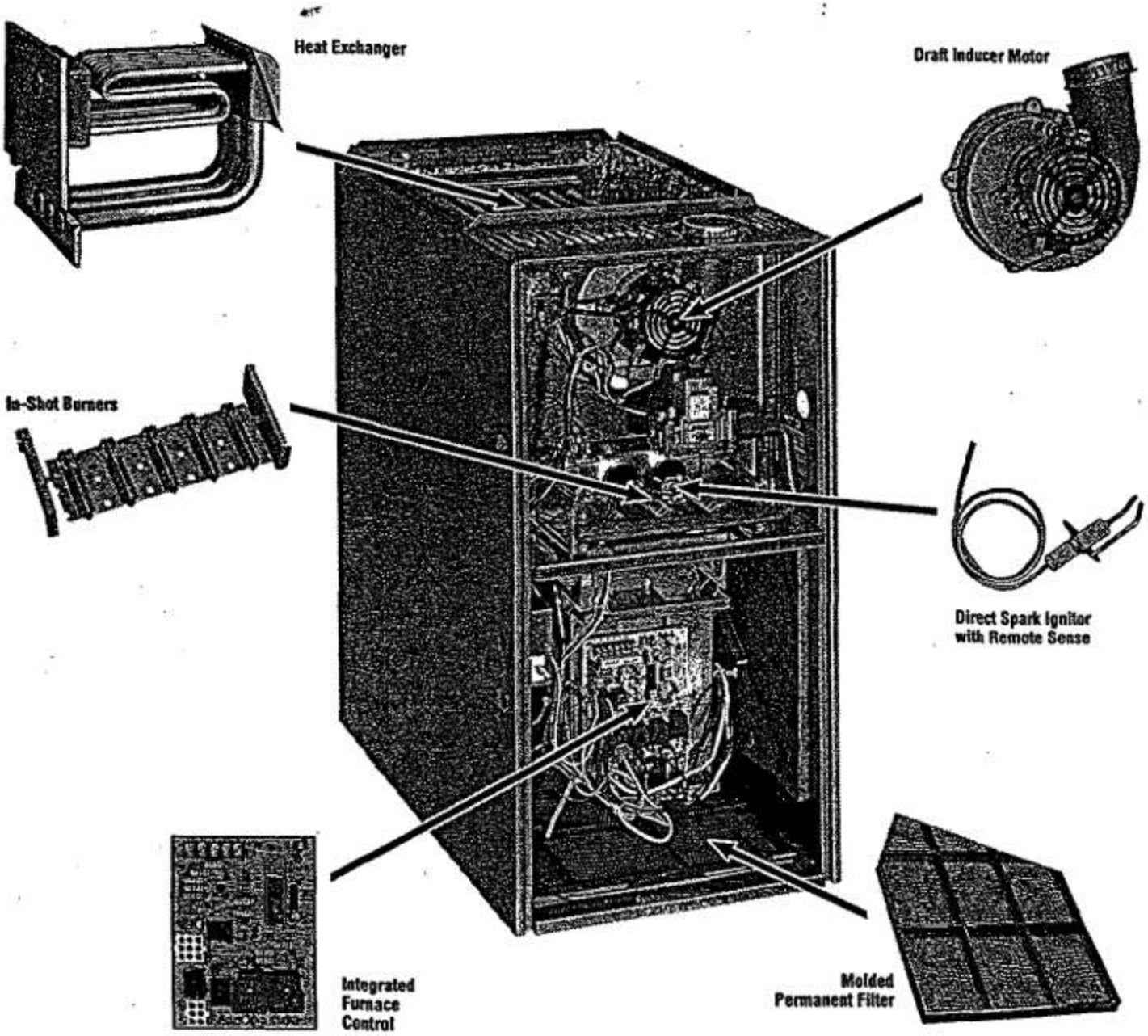
A variety of cooling coils and plenums designed to use with Ruud Silhouette II gas furnaces are available as optional accessories.

These furnaces can be installed in an upflow position or laid on either side in a horizontal position. No field converting required.

†A.F.U.E. (Annual Fuel Utilization Efficiency) calculated in accordance with Department of Energy test procedures.

ISO 9002

RUUD SILHOUETTE II 80% UPFLOW/HORIZONTAL GAS FURNACE



STANDARD EQUIPMENT

Completely assembled and wired; induced draft blower; pressure switch; redundant main gas control; blower compartment door safety switch; solid state time on/time off blower control; limit control; manual shut-off valve, pressure regulator for natural and L.P. (propane) gas; transformer; direct drive multi-speed blower motor. Furnaces are equipped with cooling/heating relay and transformer (40VA) ready for air conditioning applications. (Please note: a thermostat is not included as standard equipment.) Flame sensor diagnostics; **on-board twinning options; fused transformer (secondary), 3rd speed fan option for continuous fan; common heat/cool terminal.**

OPTIONAL EQUIPMENT

Side filter frame assembly. Return air cabinet for all sizes. (See Page 6)

NOTE: Furnace is not listed for use with fuels other than natural or L.P. (propane) gas.

The complete terms of limited and other warranties are available at our sales office, or through local installer.

All models can be converted by a qualified Ruud distributor or local service dealer to use L.P. (propane) gas without changing burners. Factory approved kits must be used to convert from natural to L.P. (propane) gas and may be ordered as optional accessories from a *Ruud parts distributor.*

For L.P. (propane) operation, refer to Conversion Kit Index Form No. 92-21519-52 for U.S. models and Form No. 92-21519-53 for Canadian models.

WARNING
THIS FURNACE IS NOT APPROVED OR RECOMMENDED FOR USE IN MOBILE HOMES

FROM YOUR RETAILER.

PHYSICAL DATA AND SPECIFICATIONS
U.S. AND CANADA MODELS (UPFLOW/HORIZONTAL)

MODEL NUMBERS UGPH- SERIES	04EAUSR 04NAUSR 04EAUSA	05EAUER 05NAUER 05EAUEA	06EAUER 06NAUER 06EAUEA	07EAUER 07NAUER 07EAUEA	07EAMGR 07NAMGR 07EAMGA	10EAMER 10NAMER 10EAMEA	10EBRJR 10NBRJR 10EBRJA	12EARJR 12NARJR 12EARJA	15EARJR 15NARJR 15EARJA
Input-BTU/Hr [kW] ②	45,000 [13]	50,000 [15]	67,500 [20]	75,000 [22]	75,000 [22]	100,000 [29]	100,000 [29]	125,000 [37]	150,000 [44]
Heating Capacity BTU/Hr [kW] ①	36,000 [11]	41,000 [12]	54,000 [16]	60,000 [18]	60,000 [18]	80,000 [23.4]	81,000 [23.7]	99,000 [29]	119,000 [35]
High Altitude Input [kW]*	40,500 [12]	45,000 [13]	60,800 [18]	67,500 [20]	67,500 [20]	90,000 [26]	90,000 [26]	112,500 [33]	135,000 [39.6]
High Altitude Output Capacity [kW]*	32,900 [10]	36,500 [11]	49,000 [14]	53,500 [16]	54,000 [16]	72,000 [21]	72,500 [21]	89,000 [26.1]	107,500 [31.5]
Heat Ext. Static Pressure [kPa]	.10 [.025]	.10 [.025]	.12 [.029]	.12 [.029]	.12 [.029]	.15 [.037]	.15 [.037]	.20 [.05]	.20 [.05]
Blower (D x W) [mm]	11 x 6 [279 x 152]	11 x 6 [279 x 152]	11 x 6 [279 x 152]	11 x 6 [279 x 152]	11 x 7 [279 x 178]	11 x 7 [279 x 178]	11 x 10 [279 x 254]	11 x 10 [279 x 254]	11 x 10 [279 x 254]
Motor H.P.–Speeds–PSC Type [W]	1/2-4-PSC [373]	1/2-4-PSC [373]	1/2-4-PSC [373]	1/2-4-PSC [373]	3/4-4-PSC [559]	1/2-4-PSC [373]	3/4-4-PSC [559]	3/4-4-PSC [559]	3/4-4-PSC [559]
Motor Full Load Amps	7.1	6.8	7.1	7.1	9.5	7.1	9.5	9.5	9.5
Heating Speed	MED-LOW	MED-LOW	MED-HIGH	MED-HIGH	MED-LOW	MED-HIGH	MED-LOW	MED-LOW	MED-LOW
Cooling Speed	HIGH	HIGH	HIGH	HIGH	MED-HIGH	HIGH	MED-HIGH	MED-HIGH	MED-HIGH
Cooling CFM @ .5" [kPa] E.S.P. (Nominal) [L/s]	1200 [566]	1200 [566]	1200 [566]	1200 [566]	1600 [755]	1200 [566]	2000 [944]	2000 [944]	2000 [944]
Rated E.S.P. (In. W.C.) [kPa]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]	.50 [.12]
Temperature Rise Range °F [°C]	35-65 [19.4-36.1]	25-55 [13.9-30.6]	30-60 [16.7-33.3]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	50-80 [27.8-44.4]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	50-80 [27.8-44.4]
Max. Outlet Air Temp. °F [°C]	165 [73.8]	155 [68.3]	165 [73.8]	165 [73.8]	155 [68.3]	190 [87.7]	170 [76.6]	180 [82.2]	190 [87.7]
Standard Filter–In. [mm]	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	19 1/4 x 25 [489 x 635]	22 3/4 x 25 [578 x 635]	22 3/4 x 25 [578 x 635]
Approx. Shipping Weight (Lbs.) [kg]	85 [39]	85 [39]	105 [48]	105 [48]	105 [48]	115 [52]	120 [54]	140 [63]	150 [68]
Return Air Cabinets (Opt.) RXGR- Filter Size [mm]	C14B (2) 12 x 16 [305 x 406]	C14B (2) 12 x 16 [305 x 406]	C17B (2) 12 x 16 [305 x 406]	C17B (2) 12 x 16 [305 x 406]	C17B (2) 12 x 16 [305 x 406]	C17B (2) 12 x 16 [305 x 406]	C21B (2) 20 x 16 [508 x 406]	C24B (2) 24 x 16 [610 x 406]	C24B (2) 24 x 16 [610 x 406]
AFUE–Electric Ignition Models ①	81.7%	81.4%	80.6%	80.6%	80.5%	80.0%	80.0%	80.0%	80.0%
California Seasonal Efficiency–Electric Ignition/No_x Models	75.4/75.6	74.9/75.4	73.2/73.4	74.9/75.4	74.7/75.3	75.4/75.4	73.9/74.5	74.2/74.2	74.7/74.7

NOTES: All models are 115V, 60HZ, 1Ø. Gas connection size for all models is 1/2" [12.7 mm] N.P.T.
① In accordance with D.O.E. test procedures.
② See Conversion Kit Index Form No. 92-21519-52 for U.S. models and Form No. 92-21519-53 for Canadian models for high altitude derate.
* Data references Canadian Models only.

MODEL IDENTIFICATION—UPFLOW MODELS

U	G	P	H	—	07E	A	U	E	R
Ruud	Gas Furnace	Upflow/ Horizontal	Design Series		Heating Input Designation	Variations	Blower Designation	Heating & Cooling Designation	Fuel Type

Electric Ignition	NO_x Model	Input BTU/HR
04E	04N	45,000 [13 kW]
05E	05N	50,000 [15 kW]
06E	06N	67,500 [20 kW]
07E	07N	75,000 [22 kW]
10E	10N	100,000 [29 kW]
12E	12N	125,000 [37 kW]
15E	15N	150,000 [44 kW]

A = Std. Cabinet
B = Wide Cabinet

U = 11 x 6 [279 x 152 mm]
M = 11 x 7 [279 x 178 mm]
R = 11 x 10 [279 x 254 mm]

S = 500-1200 CFM [236-566 L/s]
E = 1100-1330 CFM [519-628 L/s]
G = 1450-1750 CFM [684-826 L/s]
J = 1800-2075 CFM [850-979 L/s]

R = Natural Gas, U.S. Standard Furnace
A = Natural Gas, Canadian Standard Furnace

[ ] Designates Metric Conversions

UPFLOW DIMENSIONS

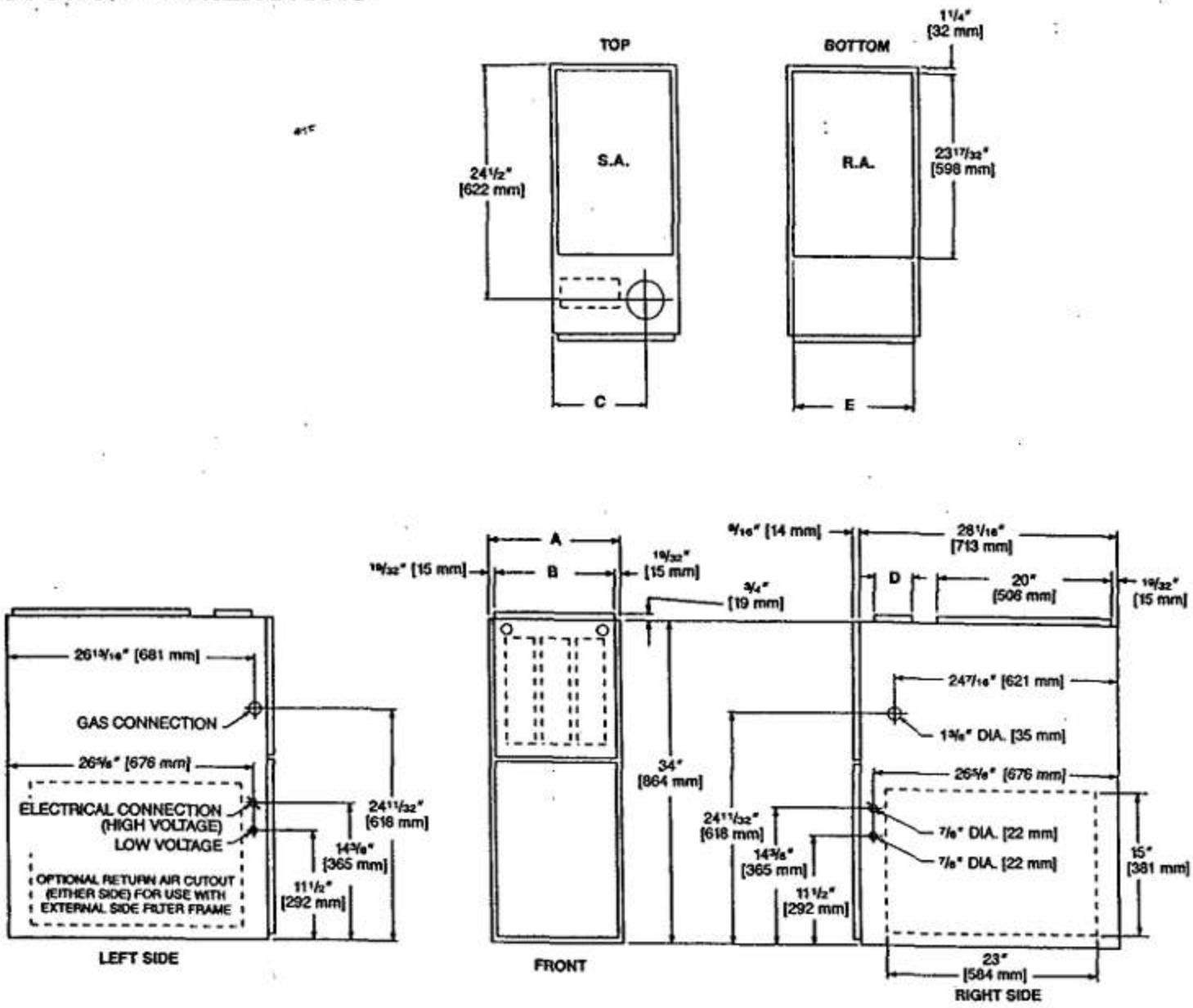


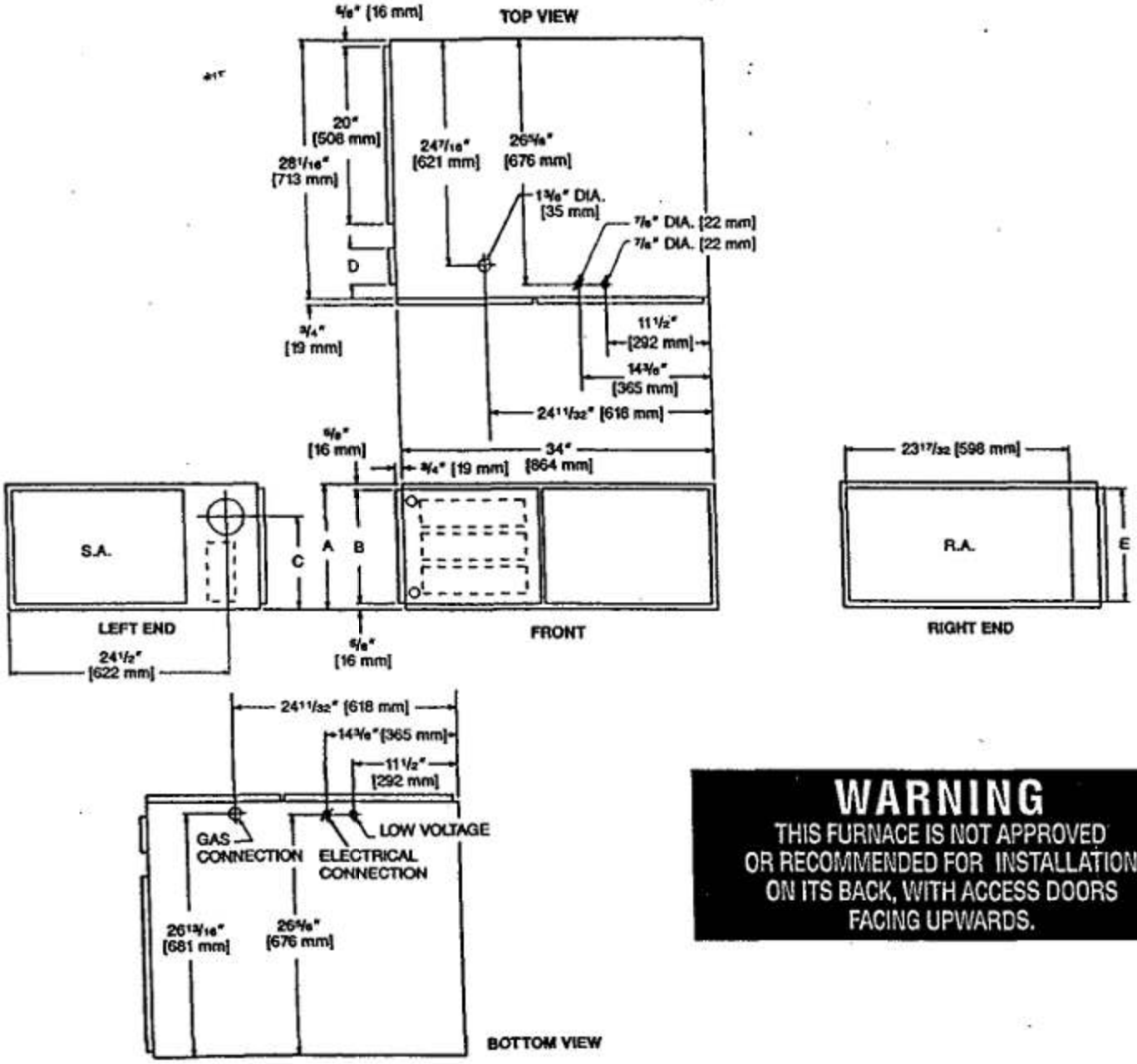
TABLE 1. DIMENSIONS AND CLEARANCE TO COMBUSTIBLE MATERIAL (INCHES) [mm]

MODEL UGPH-	A	B	C	D	E	REDUCED CLEARANCES (IN.) [mm]						SHIP. WGTS. (LBS.) [kg]
						LEFT SIDE	RIGHT SIDE	BACK	TOP	FRONT	VENT	
04, 05	14 [356]	12 27/32 [326]	10 3/8 [263]	①	11½ [292]	0	4 [102] ②	0	1 [25]	3 [76]	6 [152] ③	85 [38.6]
06, 07	17½ [445]	16 11/32 [415]	12⅛ [308]	①	15 [381]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③	105 [47.6]
10 (A)	17½ [445]	16 11/32 [415]	12⅛ [308]	①	15 [381]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③	115 [52.2]
10 (B)	21 [533]	19 27/32 [504]	13⅞ [352]	①	18½ [470]	0	0	0	1 [25]	3 [76]	6 [152] ③	120 [54.4]
12	24½ [622]	23 11/32 [593]	15⅝ [397]	①	22 [559]	0	0	0	1 [25]	3 [76]	6 [152] ③	140 [63.5]
15	24½ [622]	23 11/32 [593]	15⅝ [397]	①	22 [559]	0	0	0	1 [25]	3 [76]	6 [152] ③	150 [68]

NOTES: ① May require a 3" [76 mm] to 4" [102 mm] or 3" [76 mm] to 5" [127 mm] adapter.
② May be 0" [0 mm] with type B vent.
③ May be 1" [25 mm] with type B vent.
Furnaces must be vented in accordance with ANSI Z21.47-1993 • CAN/CGA-2.3-M93 venting table guidelines and in accordance with local codes.

[ ] Designates Metric Conversions

HORIZONTAL DIMENSIONS



WARNING

THIS FURNACE IS NOT APPROVED OR RECOMMENDED FOR INSTALLATION ON ITS BACK, WITH ACCESS DOORS FACING UPWARDS.

TABLE 1. DIMENSIONS AND CLEARANCE TO COMBUSTIBLE MATERIAL (INCHES) [mm]

MODEL UGPH-	A	B	C	D	E	REDUCED CLEARANCES (IN.) [mm]						
						LEFT SIDE	RIGHT SIDE	BACK	TOP	FRONT	VENT	SHIP. WGTS. (LBS.) [kg]
04, 05	14 [356]	12 27/32 [326]	10 3/8 [263]	①	11 1/2 [292]	0	4 [102] ②	0	1 [25]	3 [76]	6 [152] ③	85 [38.6]
06, 07	17 1/2 [445]	16 11/32 [415]	12 1/8 [308]	①	15 [381]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③	105 [47.6]
10 (A)	17 1/2 [445]	16 11/32 [415]	12 1/8 [308]	①	15 [381]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③	115 [52.2]
10 (B)	21 [533]	19 27/32 [504]	13 7/8 [352]	①	18 1/2 [470]	0	0	0	1 [25]	3 [76]	6 [152] ③	120 [54.4]
12	24 1/2 [622]	23 11/32 [593]	15 5/8 [397]	①	22 [559]	0	0	0	1 [25]	3 [76]	6 [152] ③	140 [63.5]
15	24 1/2 [622]	23 11/32 [593]	15 5/8 [397]	①	22 [559]	0	0	0	1 [25]	3 [76]	6 [152] ③	150 [68]

NOTES: ① May require a 3" [76 mm] to 4" [102 mm] or 3" [76 mm] to 5" [127 mm] adapter.
② May be 0" [0 mm] with type B vent.
③ May be 1" [25 mm] with type B vent.
Furnaces must be vented in accordance with ANSI Z21.47-1993 • CAN/CGA-2.3-M93 venting table guidelines and in accordance with local codes.

[ ] Designates Metric Conversions

ACCESSORIES—UPFLOW

PLENUM DATA FOR "A" COILS

Plenum adapters are required in some instances for use on upflow applications when plenum and furnace size do not match.

FURNACE WIDTH IN. [mm]	PLENUM WIDTH IN. [mm]	PLENUM ADAPTER UPFLOW	COIL PLENUM
14 [356]	16¼ [413]	RXAA-C171	RXAL-B16BU
14 [356]	20¼ [514]	RXAA-C172	RXAL-B20BU
17½ [445]	16¼ [413]	RXAA-C185	RXAL-B16BU
17½ [445]	20¼ [514]	RXAA-C173	RXAL-B20BU
17½ [445]	21⅝ [549]	RXAA-C187	RXAL-B21BU
17½ [445]	25¼ [641]	RXAA-C174	RXAL-B25BU
21 [533]	25¼ [641]	RXAA-C175	RXAL-B25BU
21 [533]	22¼ [565]	RXAA-C176	RXAL-B22BU
21 [533]	21⅝ [549]	RXAA-C188	RXAL-B21BU
24½ [622]	25¼ [641]	RXAA-C177	RXAL-B25BU
24½ [622]	21⅝ [549]	RXAA-C187	RXAL-B21BU

Note: See Form Number C22-206 for MultiFlex coil data.

OPTION CODE FOR HIGH ALTITUDE: US-277
Canada-298
(U.S. Models—Kit packaged with furnace. Requires field installation.)

OPTION CODE FOR SOLID BOTTOM: US-263
(U.S. Models—Kit packaged with furnace. Requires field installation.)

EXTERNAL BOTTOM FILTER RACK: RXGF-CB

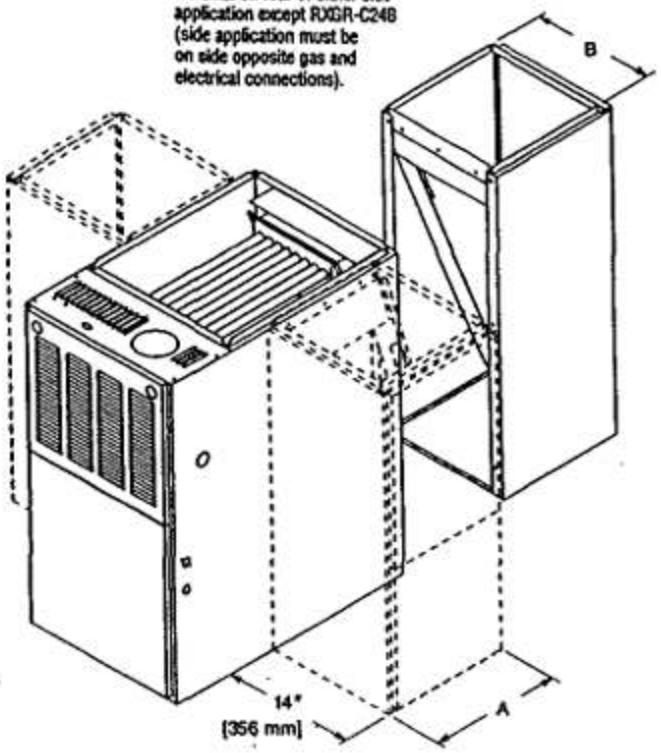
FILTER RACK FILTER SIZES† INCHES [mm]	
MODEL UGPH-	RXGF-CA (SIDE)
04, 05, 06, 07, 10*A	15¾ x 25 [400 x 635]
10*BRJ	15¾ x 25 [400 x 635]
12, 15	15¾ x 25 [400 x 635]

† Filter racks are shipped without filters. Filters shipped with furnace may be used or a suitable 1" [25.4 mm] filter.
*Designates "E" or "N".

RXPF-F01 and F02

FOSSIL FUEL KITS are for use with Ruud Heat Pumps and Silhouette II warm air furnaces. The RXPF-F02 meets TVA requirements.

ACCESSORY RETURN AIR CABINETS
Return Air Cabinets may be installed on rear or either side application except RXGR-C24B (side application must be on side opposite gas and electrical connections).



THE RXGR-C24B MAY ONLY BE INSTALLED ON REAR AND LEFT SIDES.

RETURN AIR CABINETS	A IN. [mm]	B IN. [mm]	FILTER SIZE IN. [mm]
RXGR-C14B	14 [356]	12 27/32 [326]	(2) 12 x 16 [305 x 406]
RXGR-C17B	17½ [445]	16 11/32 [415]	(2) 12 x 16 [305 x 406]
RXGR-C21B	21 [533]	19 27/32 [504]	(2) 20 x 16 [508 x 406]
RXGR-C24B	24½ [622]	23 11/32 [593]	(2) 24 x 16 [610 x 406]

WARNING: IMPORTANT NOTICE

A SOLID METAL BASE PLATE (SEE TABLE) MUST BE IN PLACE WHEN THE FURNACE IS INSTALLED WITH SIDE OR REAR AIR RETURN DUCTS. FAILURE TO INSTALL A BASE PLATE COULD CAUSE PRODUCTS OF COMBUSTION TO BE CIRCULATED INTO THE LIVING SPACE AND CREATE POTENTIALLY HAZARDOUS CONDITIONS. SOLID BOTTOM IS AVAILABLE FACTORY INSTALLED WITH OPTION CODE 263.

FURNACE WIDTH IN. [mm]	SOLID BOTTOM KIT NO.	BASE PLATE NO.	BASE PLATE SIZE IN. [mm]
14 [356]	RXGB-D14	AE-61874-01	11⅝ x 23 9/16 [295 x 598]
17½ [445]	RXGB-D17	AE-61874-02	15⅛ x 23 9/16 [384 x 598]
21 [533]	RXGB-D21	AE-61874-03	18⅝ x 23 9/16 [473 x 598]
24½ [622]	RXGB-D24	AE-61874-04	25⅝ x 23 9/16 [651 x 598]

[ ] Designates Metric Conversions

CHIMNEY CERTIFICATION FOR REPLACEMENT OF FUEL FIRED EQUIPMENT

BLOCK: 382.32 LOT: 2 PERMIT #: _____

WORKSITE ADDRESS: 230 Essex Pl

CERTIFYING INDIVIDUAL (PRINT NAME)
Name: John Maines
Address
Street: 1415 Wyckoff Rd
State: NJ

COMPANY
Name: NJR HOME SERVICES
City: Wall
Zip: 07719
Phone# ( ) 732-938-1151

CHECK THE APPROPRIATE BOX
TYPE OF REPLACEMENT
( ) Oil to Gas Conversion
(✓) Gas appliance Replacement
( ) Oil to Oil Replacement
( ) Other (describe): _____

EXISTING VENT/CHIMNEY:
(✓) B label vent
( ) L label vent
( ) Masonry chimney-tile lined
( ) Flexible liner
( ) Other (describe): _____

PLEASE SIGN ONE OF THE FOLLOWING CERTIFICATION STATEMENTS
CERTIFICATION

FOR OIL TO GAS CONVERSIONS:
I hereby certify that the chimney/vent is free and clear of obstruction and is substantially clean of residue from its previous use serving an oil appliance. I further certify that the chimney/vent is appropriately lined and sized for the appliance being installed.

Signature Date

OIL TO OIL OR GAS TO GAS REPLACEMENTS
I hereby certify that the existing chimney/vent is free and clear of obstruction. I further certify that the existing chimney/vent is appropriately lied and sized for the appliance being installed.

John Maines 8/20/03
Signature Date

CERTIFICATION NOT SUBMITTED:
I choose not to submit a certification. I understand that I will be required to be present for the inspection to remove and reinstall the chimney vent connector.

Signature Date

DIRECT VENT APPLIANCE:
NO CERTIFICATION REQUIRED:

Signature Date

THIS FORM MUST BE RETURNED TO THE CODE ENFORCEMENT OFFICE PRIOR TO FINAL INSPECTION.

Block: [redacted]

Owner's Name: Kevin McKee

Owner's Mailing Address: [redacted] 08723

[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: Dillon Electric

Address: 1011 Woodmill Dr
Cranbury NJ 08512

Phone#: 609-371-1272

Lis #: ~~7490~~ 158607405

Federal Emp # or SSN

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	KW
Electric Dryer	KW
Dishwasher	KW
Garbage Disposal	HP
A/C Unit –Central Air	1 KW
Space Heater/Air Handler	KW
Baseboard Heating	KW
Motors 1+ HP	
Transformer/Generator	KW
Light Stander	AMP
Service	AMP
Subpanel	AMP
Motor Control Center	AMP
Sign/Outline Light	KW
Furnace	1
Steam Boiler	

Other: direct replacement

Estimated Cost of Electrical Work: $85.-

Signature: Mark McKee

Please Print Name Mark McKee

Phone #: [redacted]
Lis #:
Federal Emp # or SSN 22-3609806

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:

replace furnace & A/C

Estimated Cost of Plumbing Work $50.-

Signature: John Maines

Please Print Name: John Maines

CONTRACTOR'S SEAL

Phone #: 732-938-1161
Lis #:
Federal Emp # or SSN 22-3609806

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 1

Furnace 1
Gas/Wood Fireplace
Gas Logs
Wood Burning Stove
Other:

duct replacement

Estimated Cost of Fire Work $55.-

Signature: John Maines

Print Name: John Maines