



NJ
NEW JERSEY
ECONOMIC DEVELOPMENT
2010

005-134533

ref low H/C system

called
5/10

[illegible][illegible]

U.C.C. F100-1 (rev. 12/03)

LDS BR-B 10100648

CERTIFICATION IN LIEU OF OATH

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

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

Mark the following applicable boxes:

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

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

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

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

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

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

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

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

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

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

Signature _____ Date _____

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

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

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

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

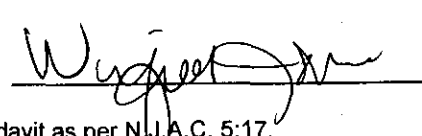
I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

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

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

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	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)

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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 05/16/2007
Tracking Number C-05-134533
Permit Number 05-1727
Permit Issue Date 05/17/2005
Certificate Number 05-1727

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 30 KETTLE CREEK DR. Brick Township, NJ Block: 341 Lot: 471 Qual: _____
Owner in Fee: SMITH, WILLIAM K. & MARY J.
Owner Address: 16 NAUTILUS DR BRICK NJ 08723
Telephone: _____
Contractor NJR HOME SERVICES
Address 1415 WYCKOFF RD WALL TOWNSHIP NJ 07719-
Telephone: 732/938-1260 Fax: 732/938-3010
License Number or Builders Registration Number: 13VH00361500 Federal Emp. Number: _____

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work Use:

REPLACEMENT A/C

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate: This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate: This certificate has an expiration date of:

Conditions to be met:

Construction Official

Date Printed: 05/16/2007

Fee: \$0.00

Check Number: _____

Collected By: _____

Page 1



CONSTRUCTION PERMIT

Date Issued 05/17/2005
Control # C-05-134533
Permit # 05-1727

IDENTIFICATION Block: 341 Lot: 471 Qualifier
Work Site Location: 30 KETTLE CREEK DR. Brick Township, NJ Contractor NJR HOME SERVICES
Owner in Fee SMITH, WILLIAM K. & MARY J. Address 1415 WYCKOFF RD WALL TOWNSHIP NJ 07719-
Address 16 NAUTILUS DR BRICK NJ 08723 Telephone: 732/938-1260
Telephone: Lic. No. or Bldrs. Reg. No.
Federal Employee No. 22-3609806

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

REPLACEMENT A/C

Note: If construction does not commence within one (1) year of date of issuance, or it construction ceases for a period of six (6) months, this permit is void.
Estimated Cost of Work \$3,000

Construction Official 05/17/2005
Date

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

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$40
Plumbing	\$40
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$4
CO Fee	
Other	\$0
Total	\$84
Check No.	8491
Cash	\$0
Credit	\$0
Collected By	Ann Marie Hanlon

REQUIRED INSPECTIONS

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

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

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

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

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

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

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

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



CONSTRUCTION PERMIT

Date Issued

Permit #

IDENTIFICATION Block 341 Lot 471 Qualification Code _____
Work Site Location 30 Kettle Creek Dr. Contractor NJR Home Services
Briar 07725 Address 1415 Wyckoff Rd
Owner in Fee William Smith Wall NJ 07719
Address 34 Kettle Creek Dr Tel. (732) 919-8172
Tel. [REDACTED] Lic. No. or Bldrs. Reg. No. _____
22-3609806

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

replace A/C system

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 \$ 3000.

Construction Official

Date

PAYMENTS (Office Use Only)

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

(see reverse side)

REQUIRED INSPECTIONS

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

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

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

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

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

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

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

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



ELECTRICAL SUBCODE TECHNICAL SECTION



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

Block 341 Lot 471 Qualification Code _____

Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH, WILLIAM K. & MARY J.

Address 16 NAUTILUS DR. BRICK NJ

Tel. _____

Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD. WALL TOWNSHIP NJ

Tel. 732/938-1260

Fax 732/938-3010

Lic No. _____

Federal Employee No. _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____ R-5 _____

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as _____ Utility Co. _____

Estimated Cost of Electrical Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plan ☐ Required

Date _____

Joint Plan Review Required

☐ Building ☐ Plumbing

☐ Fire ☐ Elevator

☐ Electrical Plans Approved

Date: 5/9/05

Approved by: WJ

INSPECTIONS

Type: _____ Failure _____ Dates (Month/Day) _____

Rough _____

Barrier-Free _____

Trench _____

Temp. Serv. _____

Constr. Serv. _____

TCO _____

Other _____

Service _____

Final _____

Barrier-Free _____

Temp. Cut-in-Card Date Issued _____

Final Cut-in-Card Date Issued _____

Annual Pool Inspection _____

Date of Grounding and Bonding _____

SUBCODE APPROVAL
☐ CO ☐ CCO ☒ CCA

Date: 5/14/07

Approved by: WJ

Applicant's Signature/Contractor's Seal and Signature

☐ Licensed Elec Contr ☐ Certifd Landscape Irrigation Contr ☐ Exempt Applicant
D. TECHNICAL SITE DATA

QTY. SIZE

ITEMS

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors - Fract. HP

Emergency & Exit Lights

Communication Points

Alarm Devices/F. A.C. Panel

TOTAL NUMBERS

Pool Permit/with UV Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptical

KW Oven/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Recepticle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air

KW Baseboard Heat

HP Motors 1/+ HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

FEE (Office Use Only)

Date Received 04/29/2005
Date Issued 12/31/09
Control # 12345678
Permit # 05-17227

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

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

4-25-07

~~2020~~ CANCELED

5-7-07

BREATHER NOT TO NAME PLATE
STRAP SEAL RIGHT TO WAK
10 WHITE WIRE FOR A/C



ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received 04/29/2005
Date Issued 12/31/1899 - 5/1/10
Control # C-05-134533
Permit # 05-1727

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

Block 341 Lot 471 Qualification Code

Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH, WILLIAM K. & MARY J.

Address 16 NAUTILUS DR BRICK NJ

Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

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

Lic No.

Federal Employee No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed R-5

Pole/Pad # Temporary Other

Building Occupied as Utility Co.

Estimated Cost of Electrical Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

Joint Plan Review Required

Building Plumbing

File Elevator

Electrical Plans Approved

Date: 5/1/05

Approved by: [Signature]

SUBCODE APPROVAL
CO CCO CA

Date:

Approved by:

Applicant's Signature/Contractor's Seal and Signature

Licensed Elec Contr Cert'd Landscape Irrigation Contr Exempt Applicant

D. TECHNICAL SITE DATA

QTY. SIZE

ITEMS

FEE (Office Use Only)

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors - Fract. HP

Emergency & Exit Lights

Communication Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UV Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptical

KW Oven/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Recepticle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air

KW Baseboard Heat

HP Motors 1/+ HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

0 0

0 0

0 0

0 0

0 0

0 0

Administrative Surcharge

Minimum Fee

State Permit Surcharge Fee

TOTAL FEE

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



ELECTRICAL SUBCODE TECHNICAL SECTION



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

Block 341 Lot 471 Qualification Code

Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH, WILLIAM K. & MARY J.

Address 16 NAUTILUS DR. BRICK NJ

Tel. Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD. WALL TOWNSHIP NJ

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

Lic No.

Federal Employee No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed R-5

Pole/Pad # Temporary Other Utility Co.

Building Occupied as Estimated Cost of Electrical Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

No Plan Required Date Initial

Joint Plan Review Required

Building Plumbing

Fire Elevator

Electrical Plans Approved

Date: Approved by:

Other Service Final

Barrier-Free

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

SUBCODE APPROVAL
CO CCO CA

Applicant's Signature/Contractor's Seal and Signature

Licensed Elec Contr Cert'd Landscape Irrigation Contr Exempt Applicant
D. TECHNICAL SITE DATA

QTY. SIZE

ITEMS

FEE (Office Use Only)

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors - Fract. HP

Emergency & Exit Lights

Communication Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permitwith UVW Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptical

KW Oven/Surface Unit

KW Elec. Water Heater

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air

KW Baseboard Heat

HP Motors 1/+ HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

Administrative Surcharge

Minimum Fee

State Permit Surcharge Fee

TOTAL FEE

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

Date Received 04/29/2005
Date Issued 12/31/1899
Control # C-05-134533
Permit #



PLUMBING SUBCODE



Date Received 04/29/2005
Control # C-05-134533
Date Issued 4/23/4899
Permit # 05-17237

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

Block 341 Lot 471 Qualification Code
Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH WILLIAM K. & MARY J.
Address 16 NAUTILUS DR BRICK NJ

Tel. 732/938-1260 Fax 732/938-3010
Contractor: NJR HOME SERVICES
Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

Contractor License No.
Federal Employee No.

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed R-5
Building Sewer Size 0 Public Sewer Private Septic
Water Service Size 0 Public Water Private Well
Estimated Cost of Plumbing Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plan Required
☐ Joint Plan Review Required
☐ Building Electrical
☐ Fire Elevator
☐ Plumbing Plans Approved
Date: 5/5/05
Approved by: [Signature]

INSPECTIONS

Type:	Failure	Dates (Month/Day)	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
Solar				
TCO				

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA
Date: 5-2-07
Approved by: [Signature]

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature
☐ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA (List of 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 Bibb	\$0
0	Water Heater	\$0
0	Fuel Oil Piping	\$0
0	Gas Piping	\$0
0	LP Gas Tank	\$0
0	Steam Boiler	\$0
0	Hot Water Boiler	\$0
0	Sewer Pump	\$0
0	Interceptor/Separator	\$0
0	Backflow Preventor	\$0
0	Greasetrap	\$0
0	Sewer Connector	\$0
0	Water Service Connection	\$0
0	Stacks	\$0
1	Other A/C	\$40
0	Other	\$0
Administrative Surcharge		\$0
Minimum Fee		\$40
State Permit Surcharge Fee		\$2
TOTAL FEE		\$42

Applicant: When submitting this form to your Local Construction Code Enforcement Office, please provide one original plus three photocopies.



PLUMBING SUBCODE TECHNICAL SECTION



Date Received 04/29/2005
Control # C-05-134533
Date Issued 12/31/4898
Permit # 05-111217

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

Block 341 Lot 471 Qualification Code

Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH, WILLIAM K. & MARY J.

Address 16 NAUTILUS DR. BRICK NJ

Tel.

Contractor: NJR HOME SERVICES

Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

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

Contractor License No.

Federal Employee No.

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed R-5

Building Sewer Size 0 Public Sewer Private Septic

Water Service Size 0 Public Water Private Well

Estimated Cost of Plumbing Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plan Required

☒ Joint Plan Review Required

☐ Building ☐ Electrical

☐ Fire ☐ Elevator

☐ Plumbing Plans Approved

Date: 5/5/05

Approved by: [Signature]

SUBCODE APPROVAL

☐ CO ☐ CCO ☐ CA

Date:

Approved by:

INSPECTIONS

Type: Failure Failure Approval Initial

Slab Rough Water Sewer Fixtures Gas Equipment Gas Piping Solar TCO

D. TECHNICAL SITE DATA (List of all fixtures)

NO. FUTURE/EQUIPMENT

Water Closet 0

Urinal/Bidet 0

Bath Tub 0

Lavatory 0

Shower 0

Floor Drain 0

Sink 0

Dishwasher 0

Drinking Fountain 0

Washing Machine 0

Hose Bibb 0

Water Heater 0

Fuel Oil Piping 0

Gas Piping 0

LP Gas Tank 0

Steam Boiler 0

Hot Water Boiler 0

Sewer Pump 0

Interceptor/Separator 0

Backflow Preventor 0

Greasetrapp 0

Sewer Connector 0

Water Service Connection 0

Stacks 0

Other A/C 1

Other 0

FEE (Office Use Only)

Water Closet \$0

Urinal/Bidet \$0

Bath Tub \$0

Lavatory \$0

Shower \$0

Floor Drain \$0

Sink \$0

Dishwasher \$0

Drinking Fountain \$0

Washing Machine \$0

Hose Bibb \$0

Water Heater \$0

Fuel Oil Piping \$0

Gas Piping \$0

LP Gas Tank \$0

Steam Boiler \$0

Hot Water Boiler \$0

Sewer Pump \$0

Interceptor/Separator \$0

Backflow Preventor \$0

Greasetrapp \$0

Sewer Connector \$0

Water Service Connection \$0

Stacks \$0

Other A/C \$40

Other \$0

Administrative Surcharge \$0

Minimum Fee \$40

State Permit Surcharge Fee \$2

TOTAL FEE \$42

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature

☐ Licensed Plumbing Contractor ☐ Exempt Applicant



PLUMBING SUBCODE
TECHNICAL SECTION



Date Received 04/29/2005
Control # C-05-134533
Date Issued 12/31/1899
Permit #

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

Block 341 Lot 471 Qualification Code
Work Site Location: 30 KETTLE CREEK DR.

Owner in Fee: SMITH, WILLIAM K. & MARY J.
Address 16 NAUTILUS DR. BRICK NJ

Tel. _____
Contractor: NJR HOME SERVICES
Address 1415 WYCKOFF RD WALL TOWNSHIP NJ

Tel. 732/938-1260 Fax 732/938-3010
Contractor License No. _____
Federal Employee No. _____

B. PLUMBING CHARACTERISTICS

Use Group Present _____ Proposed _____ R-5
Building Sewer Size 0 _____ Public Sewer _____ Private Septic _____
Water Service Size 0 _____ Public Water _____ Private Well _____
Estimated Cost of Plumbing Work \$1,500

JOB SUMMARY (Office Use Only)

PLAN REVIEW		INSPECTIONS			
☒ No Plan Required		Type:	Failure	Dates (Month/Day)	Initial
☐ Joint Plan Review Required	☐ Slab				
☐ Building	☐ Rough				
☐ Fire	☐ Water				
☐ Plumbing Plans Approved	☐ Sewer				
Date: _____	☐ Fixtures				
	☐ Gas Equipment				
	☐ Gas Piping				
	☐ Solar				
	☐ TCO				
Approved by: _____					

SUBCODE APPROVAL
☐ CO ☐ CCO ☐ CA
Date: _____
Approved by: _____

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature
☐ Licensed Plumbing Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA (List of 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 Bibb	\$0
0	Water Heater	\$0
0	Fuel Oil Piping	\$0
0	Gas Piping	\$0
0	LP Gas Tank	\$0
0	Steam Boiler	\$0
0	Hot Water Boiler	\$0
0	Sewer Pump	\$0
0	Interceptor/Separator	\$0
0	Backflow Preventor	\$0
0	Greasetrap	\$0
0	Sewer Connector	\$0
0	Water Service Connection	\$0
0	Stacks	\$0
1	Other A/C	\$40
0	Other	\$0
	Administrative Surcharge	\$0
	Minimum Fee	\$40
	State Permit Surcharge Fee	\$2
	TOTAL FEE	\$42

Township of Brick

Counter Form
(PLEASE PRINT)

Site Location: 30 Kettle Creek Dr.
 Block: 341 Lot: 471
 Owner's Name: William Smith
 Owner's Mailing Address: 24 Kettle Creek
Brick 08723
 Phone: [REDACTED]

BUILDING

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

Technical Data

Description of Work: _____

Type of Work

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

Building Characteristics

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

Cost of Alteration: _____

Cost of New Building: _____

Total Cost of Building Work: _____

Signature: _____

Please Print Name: _____

ELECTRICAL

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

Technical Data

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

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

Estimated Cost of Electrical Work: \$1500

Signature: _____

Please Print Name: James C. Anderson

CONTRACTOR'S SEAL

PLUMBING

Contractor: NJR HOME SERVICES
Address: 1415 Wyckoff Rd
Wall NJ 07719
Phone #: 732-919-8172
Lic #: _____
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	<u>1</u>
Septic Tank Closure	
Sewer Service Connection	
Water Service Connection	
Active Solar System	
Auxiliary Meter	
Sprinkler Heads	
Sump Pump	
Other:	

*Direct replacement
A/C system*

Estimated Cost of Plumbing Work \$1500

Signature: Winfred Johnson

Please Print Name: Winfred Johnson

CONTRACTOR'S SEAL

FIRE

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

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: _____

	capacity	fuel
Flammable Storage Tanks		
Combustible Storage Tanks		
LPG Storage Tanks		

Item	Quantity
Wet Sprinkler Heads	
Dry Sprinkler Heads	
Total	

Smoke Detectors _____
Heat Detectors _____
Total _____

Stand Pipes _____
Kitchen Hood Exhaust System _____

Pre-Engineered Systems:
CO2 Suppression _____
Haloh Suppression _____
Foam Suppression _____
Dry Chemical _____
Wet Chemical _____

Gas/ Oil Fired Appliances:
Number of gas/oil fired appliances _____

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

Estimated Cost of Fire Work _____

Signature: _____

Print Name: _____

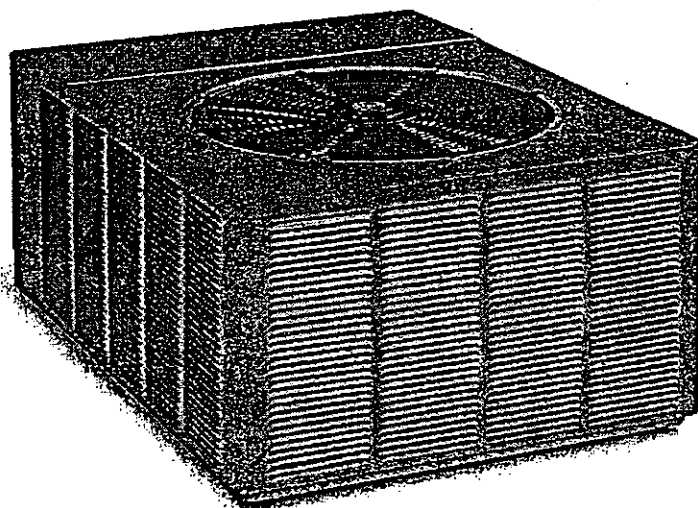
CONDENSING UNITS



2 ton

UAKB- SERIES

Nominal Sizes 1½ to 5 Tons
[5.28 kW] to [17.58 kW]



Seven Models

10 SEER with efficiencies up to 10.70
in certain matched systems.

Cooling Capacities
17,900 to 57,000 BTU/HR
[5.2 kW] to [16.7 kW]

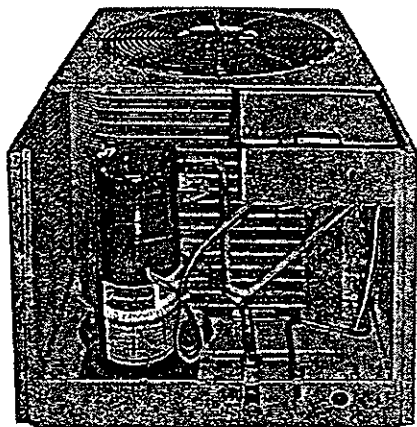
The *Ruud Achiever Series*® UAKB- Condensing Unit was designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications.

- Attractive, louvered wrap-around jacket protects the coil from yard hazards and weather extremes. Top grille is steel reinforced for extra strength. Cabinet is powder painted for all-weather protection.
- Air is discharged upward away from bushes and shrubs. The discharge pattern of the top grille provides minimum air restriction, resulting in quiet fan operation.
- Exclusive Combination Grille/Motor Mount secures the motor to the underside of the discharge grille. The grille protects the motor windings and bearings from rain and snow.
- All controls are accessible by removing one service panel. Removable top grille provides access to the condenser fan motor and condenser coil.
- Single speed motor designed for low speed, quiet, energy-saving operation.
- All models meet or exceed a 1000-hour salt spray test per ASTM B117 Standard Practice for Operating Salt Spray Testing Apparatus.

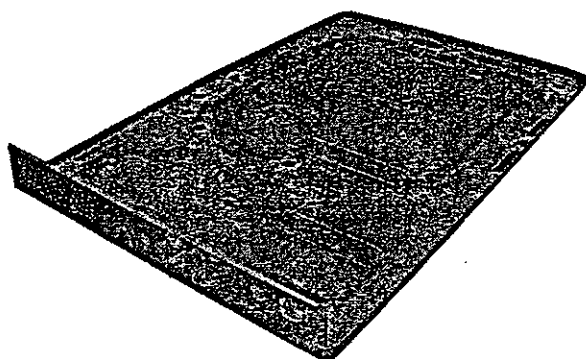


**CERTIFIED UNDER THE
A.R.I. CERTIFICATION
PROGRAM—A.R.I.
STANDARD 210*

*575 VOLT MODELS ARE NOT
A.R.I. CERTIFIED



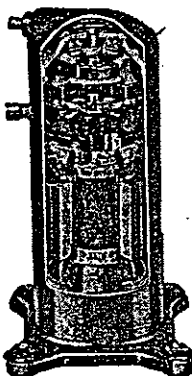
All controls and compressor are accessible for servicing by removal of the service panel.



Drawn Painted Base Pan.

COPELAND® SCROLL® COMPRESSOR

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



Engineering Features

UAKB- Series Condensing Units

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

Field Installed Accessories

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

[] Designates Metric Conversions

Model Number Identification

<u>U</u>	<u>A</u>	<u>K</u>	<u>B</u>	<u>—</u>	<u>024</u>	<u>J</u>	<u>A</u>	<u>Z</u>
RUUD	REMOTE CONDENSING UNIT	HIGH EFFICIENCY (STANDARD)	DESIGN SERIES		COOLING CAPACITY	ELECTRICAL DESIGNATION	VARIATIONS A = STANDARD MODEL	COOLING CONNECTION FITTING
			B = SECOND DESIGN		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 = 208/230V-1-60 C = 208/230-3-60 D = 460-3-60 Y = 575-3-60		Z = SWEAT W/SCROLL S = SWEAT W/RECIP.

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

Performance Data @ ARI Standard Conditions—Cooling

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating	Indoor CFM [L/s]
Outdoor Unit UAKB-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
018JA	RCBA-2457 ① (Requires piston change to 51)	18,000 [5.3]	14,600 [4.3]	3,400 [1.0]	9.5	10.0	7.2	600 [283]
	RCBA-2457+RXMD-C02 (Requires piston change to 51)	18,000 [5.3]	14,600 [4.3]	3,400 [1.0]	9.5	10.1	7.2	600 [283]
	RCGA-24A1	18,000 [5.3]	14,600 [4.3]	3,400 [1.0]	9.4	10.0	7.2	600 [283]
	RCHA-24A1	17,900 [5.2]	14,500 [4.2]	3,400 [1.0]	9.4	10.0	7.2	600 [283]
	RCLB-A024	19,100 [5.6]	15,500 [4.5]	3,600 [1.1]	9.6	10.0	7.2	600 [283]
	RCTB-A018	18,100 [5.3]	14,400 [4.2]	3,700 [1.1]	9.0	10.0	7.2	600 [283]
	RCTH-A024	18,500 [5.4]	15,200 [4.5]	3,300 [1.0]	9.5	10.3	7.2	600 [283]
	UBHC-14+RCBA-2457 (Requires piston change to 51)	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-14+RCBA-2457+RXMD-C02 (Requires piston change to 51)	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-14+RCGA-24A1	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-14+RCHA-24A1	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-15+RCBA-2457 (Requires piston change to 51)	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-15+RCBA-2457+RXMD-C02 (Requires piston change to 51)	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-15+RCGA-24A1	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
	UBHC-15+RCHA-24A1	18,100 [5.3]	14,700 [4.3]	3,400 [1.0]	9.6	10.2	7.2	600 [283]
024JA	RCBA-2457 ① (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	RCBA-2457+RXMD-C02 (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.1	7.2	800 [378]
	RCGA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	8.8	10.0	7.2	800 [378]
	RCHA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	8.8	10.0	7.2	800 [378]
	RCLB-A024	23,200 [6.8]	15,600 [4.6]	7,600 [2.3]	9.2	10.0	7.2	800 [378]
	RCTB-A024	22,800 [6.7]	16,500 [4.8]	6,300 [1.9]	8.9	10.0	7.2	800 [378]
	RCTH-A024	23,000 [6.7]	15,300 [4.5]	7,700 [2.3]	8.9	10.0	7.2	800 [378]
	UBHC-14+RCBA-2457 (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	UBHC-14+RCBA-2457+RXMD-C02 (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.1	7.2	800 [378]
	UBHC-14+RCGA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	UBHC-14+RCHA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	UBHC-15+RCBA-2457 (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	UBHC-15+RCBA-2457+RXMD-C02 (Requires piston change to 53)	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.1	7.2	800 [378]
	UBHC-15+RCGA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
	UBHC-15+RCHA-24A2	22,600 [6.6]	15,000 [4.4]	7,600 [2.3]	9.1	10.0	7.2	800 [378]
030JA	RCBA-3765 ①	28,200 [8.3]	21,200 [6.2]	7,000 [2.1]	9.6	10.0	7.4	1000 [472]
	RCBA-3765+RXMD-C02	28,200 [8.3]	21,200 [6.2]	7,000 [2.1]	9.6	10.1	7.4	1000 [472]
	RCGA-37A1	28,200 [8.3]	20,600 [6.0]	7,600 [2.2]	9.6	10.0	7.4	1000 [472]
	RCHA-36A1	28,200 [8.3]	20,600 [6.0]	7,600 [2.2]	9.6	10.0	7.4	1000 [472]
	RCLB-A030	29,000 [8.5]	22,200 [6.5]	6,800 [2.0]	9.8	10.0	7.4	1000 [472]
	RCTB-A036	29,000 [8.5]	21,800 [6.4]	7,200 [2.1]	9.7	10.2	7.4	1000 [472]
	RCTH-A036	29,000 [8.5]	21,800 [6.4]	7,200 [2.1]	9.7	10.2	7.4	1000 [472]
	UBHC-17+RCBA-3765	28,200 [8.3]	21,300 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]
	UBHC-17+RCBA-3765+RXMD-C02	28,200 [8.3]	21,300 [6.2]	6,900 [2.0]	9.7	10.7	7.4	1000 [472]
	UBHC-17+RCGA-37A1	28,000 [8.2]	21,100 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]
	UBHC-17+RCHA-36A1	28,000 [8.2]	21,100 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]
	UBHC-18+RCBA-3765	28,200 [8.3]	21,300 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]
	UBHC-18+RCBA-3765+RXMD-C02	28,200 [8.3]	21,300 [6.2]	6,900 [2.0]	9.7	10.7	7.4	1000 [472]
	UBHC-18+RCGA-37A1	28,000 [8.2]	21,100 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]
	UBHC-18+RCHA-36A1	28,000 [8.2]	21,100 [6.2]	6,900 [2.0]	9.7	10.6	7.4	1000 [472]

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

[] Designates Metric Conversions

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

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating	Indoor CFM [L/s]
Outdoor Unit UAKB-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
036CA/DA/JA	RCBA-3765	35,400 [10.4]	25,200 [7.4]	10,200 [3.0]	9.5	10.0	7.8	1200 [566]
	RCBA-3765+RXMD-C02	35,400 [10.4]	25,200 [7.4]	10,200 [3.0]	9.5	10.0	7.8	1200 [566]
	RCGA-36A2	35,000 [10.3]	24,800 [7.3]	10,200 [3.0]	9.6	10.5	7.8	1200 [566]
	RCHA-36A2	35,000 [10.3]	24,800 [7.3]	10,200 [3.0]	9.6	10.5	7.8	1200 [566]
	RCLB-A036	35,600 [10.4]	25,700 [7.5]	9,900 [2.9]	9.4	10.0	7.8	1200 [566]
	RCTB-A036	35,400 [10.4]	25,500 [7.5]	9,900 [2.9]	9.3	10.1	7.8	1200 [566]
	RCTB-A037	36,600 [10.7]	26,800 [7.9]	9,800 [2.9]	9.6	10.1	7.8	1200 [566]
	RCTH-A036	35,400 [10.4]	25,600 [7.5]	9,800 [2.9]	9.6	10.0	7.8	1200 [566]
	UBHC-17+RCBA-3765	34,400 [10.1]	25,000 [7.3]	9,400 [2.8]	9.0	10.0	7.8	1200 [566]
	UBHC-17+RCBA-3765+RXMD-C02	34,400 [10.1]	25,000 [7.3]	9,400 [2.8]	9.0	10.1	7.8	1200 [566]
	UBHC-17+RCGA-36A2	34,200 [10.0]	24,900 [7.3]	9,300 [2.7]	9.0	10.3	7.8	1200 [566]
	UBHC-17+RCHA-36A2	34,200 [10.0]	24,900 [7.3]	9,300 [2.7]	9.0	10.3	7.8	1200 [566]
	UBHC-18+RCBA-3765	34,400 [10.1]	25,000 [7.3]	9,400 [2.8]	9.0	10.0	7.8	1200 [566]
	UBHC-18+RCBA-3765+RXMD-C02	34,400 [10.1]	25,000 [7.3]	9,400 [2.8]	9.0	10.1	7.8	1200 [566]
	UBHC-18+RCGA-36A2	34,200 [10.0]	24,900 [7.3]	9,300 [2.7]	9.0	10.3	7.8	1200 [566]
	UBHC-18+RCHA-36A2	34,200 [10.0]	24,900 [7.3]	9,300 [2.7]	9.0	10.3	7.8	1200 [566]
042CA/DA/JA	RCBA-4882 (Requires piston change to 73)	40,000 [11.7]	28,900 [8.5]	11,100 [3.3]	9.2	10.0	7.8	1400 [661]
	RCBA-4882+RXMD-C02 (Requires piston change to 73)	40,000 [11.7]	28,900 [8.5]	11,100 [3.3]	9.2	10.1	7.8	1400 [661]
	RCGA-48A1	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	9.2	10.3	7.8	1400 [661]
	RCHA-48A1	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	9.2	10.3	7.8	1400 [661]
	RCTH-A048	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	9.2	10.3	7.8	1400 [661]
	UBHC-21+RCBA-4882 (Requires piston change to 73)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.0	7.8	1400 [661]
	UBHC-21+RCBA-4882+RXMD-C02 (Requires piston change to 73)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.1	7.8	1400 [661]
	UBHC-21+RCGA-48A1	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.3	7.8	1400 [661]
	UBHC-21+RCHA-48A1	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.3	7.8	1400 [661]
	UBHC-22+RCBA-4882 (Requires piston change to 73)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.0	7.8	1400 [661]
	UBHC-22+RCBA-4882+RXMD-C02 (Requires piston change to 73)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.1	7.8	1400 [661]
	UBHC-22+RCGA-48A1	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.3	7.8	1400 [661]
	UBHC-22+RCHA-48A1	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	9.2	10.3	7.8	1400 [661]
048CA/DA/JA/YA	RCBA-4882 ①	46,000 [13.5]	33,200 [9.7]	12,800 [3.8]	9.7	10.0	8.0	1600 [755]
	RCBA-4882+RXMD-C02	46,000 [13.5]	33,200 [9.7]	12,800 [3.8]	9.7	10.1	8.0	1600 [755]
	RCGA-48A1	46,000 [13.5]	33,000 [9.7]	13,000 [3.8]	9.7	10.3	8.0	1600 [755]
	RCHA-48A1	46,000 [13.5]	33,000 [9.7]	13,000 [3.8]	9.7	10.3	8.0	1600 [755]
	RCLB-A048	45,500 [13.3]	33,200 [9.7]	12,300 [3.6]	9.7	10.0	8.0	1600 [755]
	RCLB-B048	46,000 [13.5]	33,400 [9.8]	12,600 [3.7]	9.7	10.0	8.0	1600 [755]
	RCMB-A048	46,000 [13.5]	33,400 [9.8]	12,600 [3.7]	9.7	10.0	8.0	1600 [755]
	RCTB-A048	46,000 [13.5]	33,600 [9.8]	12,400 [3.6]	9.7	10.3	8.0	1600 [755]
	RCTH-A048	46,500 [13.6]	33,800 [9.9]	12,700 [3.7]	9.8	10.3	8.0	1600 [755]
	UBHC-21+RCBA-4882	45,000 [13.2]	32,700 [9.6]	12,300 [3.6]	9.5	10.1	8.0	1600 [755]
	UBHC-21+RCBA-4882+RXMD-C02	45,000 [13.2]	32,700 [9.6]	12,300 [3.6]	9.5	10.2	8.0	1600 [755]
	UBHC-21+RCGA-48A1	44,500 [13.0]	32,300 [9.5]	12,200 [3.6]	9.5	10.3	8.0	1600 [755]
	UBHC-21+RCHA-48A1	44,500 [13.0]	32,300 [9.5]	12,200 [3.6]	9.5	10.3	8.0	1600 [755]
	UBHC-22+RCBA-4882	45,000 [13.2]	32,700 [9.6]	12,300 [3.6]	9.5	10.1	8.0	1600 [755]
	UBHC-22+RCBA-4882+RXMD-C02	45,000 [13.2]	32,700 [9.6]	12,300 [3.6]	9.5	10.2	8.0	1600 [755]
	UBHC-22+RCGA-48A1	44,500 [13.0]	32,300 [9.5]	12,200 [3.6]	9.5	10.3	8.0	1600 [755]
	UBHC-22+RCHA-48A1	44,500 [13.0]	32,300 [9.5]	12,200 [3.6]	9.5	10.3	8.0	1600 [755]

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

[] Designates Metric Conversions

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

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating	Indoor CFM [L/s]
Outdoor Unit UAKB-	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
060CA/DA/JA/YA	RCBA-6089 ①	56,000 [16.4]	43,100 [12.6]	12,900 [3.8]	9.5	10.0	8.2	2000 [944]
	RCBA-6089+RXMD-C02	56,000 [16.4]	43,100 [12.6]	12,900 [3.8]	9.5	10.1	8.2	2000 [944]
	RCGA-60A1	55,500 [16.3]	40,900 [12.0]	14,600 [4.3]	9.4	10.0	8.2	2000 [944]
	RCHA-60A1	55,500 [16.3]	40,900 [12.0]	14,600 [4.3]	9.4	10.0	8.2	2000 [944]
	RCQB-C060	57,000 [16.7]	42,500 [12.5]	14,500 [4.2]	9.1	10.1	8.2	2000 [944]
	UBHC-24+RCBA-6089	57,500 [16.8]	41,300 [12.1]	16,200 [4.7]	9.2	10.0	8.2	1925 [908]
	UBHC-24+RCBA-6089+RXMD-C02	57,500 [16.8]	41,300 [12.1]	16,200 [4.7]	9.2	10.1	8.2	1925 [908]
	UBHC-24+RCGA-60A1	57,000 [16.7]	40,900 [12.0]	16,100 [4.7]	9.2	10.0	8.2	1925 [908]
	UBHC-24+RCHA-60A1	57,000 [16.7]	40,900 [12.0]	16,100 [4.7]	9.2	10.0	8.2	1925 [908]
	UBHC-26+RCBA-6089	57,000 [16.7]	40,900 [12.0]	16,100 [4.7]	9.1	10.0	8.2	1825 [861]
	UBHC-26+RCBA-6089+RXMD-C02	57,000 [16.7]	40,900 [12.0]	16,100 [4.7]	9.1	10.0	8.2	1825 [861]
	UBHC-26+RCGA-60A1	56,500 [16.6]	40,500 [11.9]	16,000 [4.7]	9.1	10.0	8.2	1825 [861]
	UBHC-26+RCHA-60A1	56,500 [16.6]	40,500 [11.9]	16,000 [4.7]	9.1	10.0	8.2	1825 [861]

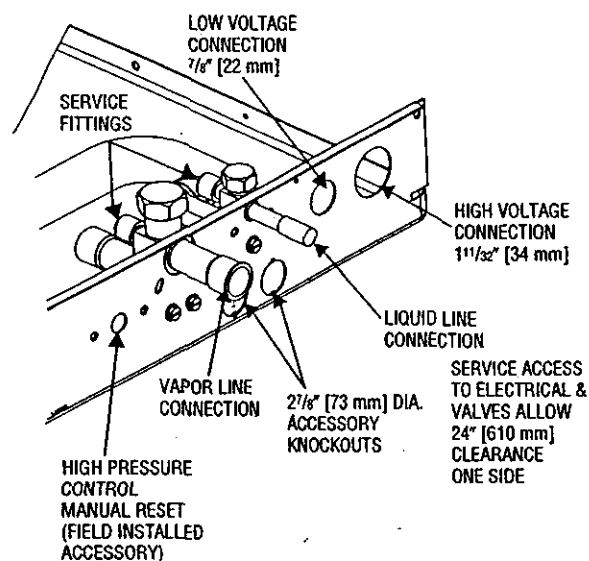
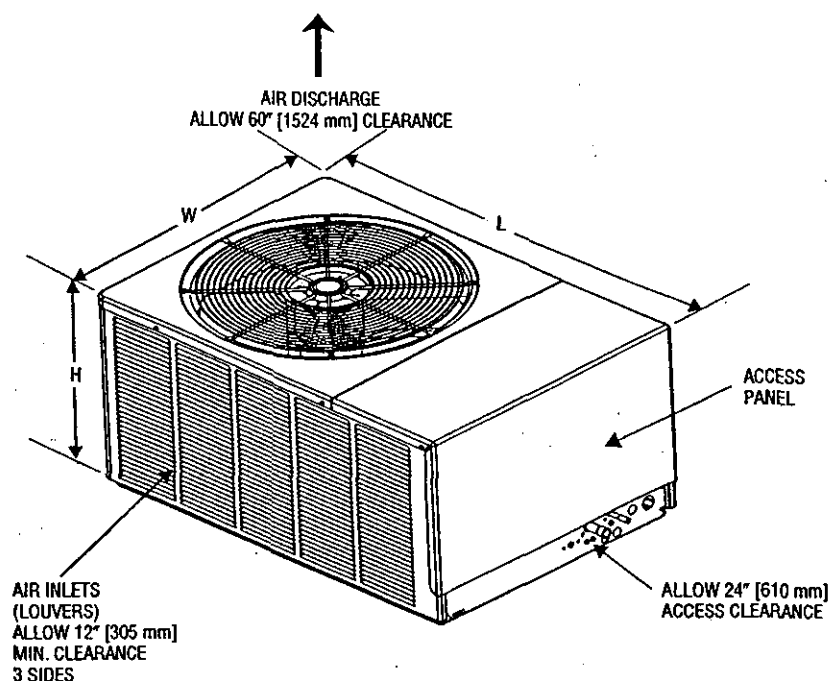
① Highest sales volume tested combination required by D.O.E. test procedures.

Electrical and Physical Data

Model Number UAKB-	ELECTRICAL							PHYSICAL					
	Phase Hertz Volts	Compr. (RLA)	Compr. (LRA)	Fan Motor (FLA)	Min. Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			R22 Oz. [g]	Weight	
						Min. Amperes	Max. Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
018JA	1-60-208/230	9.6/9.6	47	0.9	13/13	20/20	20/20	5.9 [0.55]	1.00	1850 [874]	49 [1389]	130 [59.0]	140 [63.5]
024JA	1-60-208/230	11.9/11.9	59	0.9	16/16	20/20	25/25	5.9 [0.55]	1.00	1850 [874]	56 [1588]	135 [61.2]	145 [65.8]
030JA	1-60-208/230	14.1/14.1	69	0.9	19/19	25/25	30/30	9.0 [0.84]	1.00	1860 [877]	66 [1871]	145 [65.8]	155 [70.3]
036CA	3-60-208/230	10.3/10.3	77	1.3	15/15	20/20	20/20	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	170 [77.1]	180 [81.6]
036DA	3-60-460	5.1	39	0.6	8/8	15	15	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	170 [77.1]	180 [81.6]
036JA	1-60-208/230	16.5/16.5	95	1.3	22/22	30/30	35/35	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	170 [77.1]	180 [81.6]
042CAS	3-60-208/230	11.6/11.6	73.4	1.3	16/16	20/20	25/25	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	180 [81.6]	190 [86.2]
042CA	3-60-208/230	12.4/12.4	88	1.3	17/17	20/20	25/25	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	180 [81.6]	190 [86.2]
042DAS	3-60-460	5.6	37	0.6	8	15	15	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	180 [81.6]	190 [86.2]
042DA	3-60-460	6.4	44	0.6	9	15	15	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	180 [81.6]	190 [86.2]
042JA	1-60-208/230	18.3/18.3	109	1.3	25/25	30/30	40/40	11.0 [1.02]	1.00	2700 [1274]	79 [2240]	180 [81.6]	190 [86.2]
048CAS	3-60-208/230	12.8/12.8	78	1.5	18/18	25/25	30/30	15.8 [1.47]	1.00	3500 [1652]	113 [3204]	200 [90.7]	210 [95.3]
048CA	3-60-208/230	12.8/12.8	91	1.5	18/18	25/25	30/30	15.8 [1.47]	1.00	3500 [1652]	103 [2920]	200 [90.7]	210 [95.3]
048DAS	3-60-460	6.9	41	1.0	10	15	15	15.8 [1.47]	1.00	3500 [1652]	113 [3204]	200 [90.7]	210 [95.3]
048DA	3-60-460	6.4	46	1.0	10	15	15	15.8 [1.47]	1.00	3500 [1652]	103 [2920]	200 [90.7]	210 [95.3]
048JA	1-60-208/230	21.8/21.8	131	1.5	29/29	35/35	50/50	15.8 [1.47]	1.00	3500 [1652]	103 [2920]	200 [90.7]	210 [95.3]
048YAS	3-60-575	5.1/5.1	36	0.7	8/8	15/15	15/15	15.8 [1.47]	1.00	3500 [1652]	113 [3204]	200 [90.7]	210 [95.3]
060CAS	3-60-208/230	16.7/16.7	110	1.5	23/23	30/30	35/35	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]
060CA	3-60-208/230	18.6/18.6	128	1.5	25/25	30/30	40/40	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]
060DAS	3-60-460	8.6	55	1.0	12	15	20	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]
060DA	3-60-460	9.0	63	1.0	13	15	20	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]
060JA	1-60-208/230	28.8/28.8	175	1.5	38/38	45/45	60/60	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]
060YAS	3-60-575	6.0	44	0.7	9	15	15	15.8 [1.47]	1.00	3500 [1652]	112 [3175]	230 [104.3]	240 [108.9]

[] Designates Metric Conversions

Unit Dimensions



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

Model Number UAKB-	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
-018/024	17 [432]	35 1/2 [902]	23 3/4 [603]
-030	19 [483]	35 1/2 [902]	23 3/4 [603]
-036/-042	19 [483]	40 1/2 [1029]	27 5/8 [702]
-048/-060	23 [584]	44 3/8 [1127]	31 1/2 [800]

Model Size	Coil Piston Size
-018	51
-024	53
-030	65
-036	65
-042	73
-048	82
-060	89

[] 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.

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

Compressor Five (5) Years
 *Any Other Part Five (5) Years
 Condenser Coil leaks caused by
 factory defects Five (5) Years

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

Condensing Unit Refrigerant Line Size Information

System Capacity Model	Line Size (Inch O.D.) [mm]	Liquid Line Size Outdoor Unit Above Indoor Coil						Liquid Line Size Outdoor Unit Below Indoor Coil					
		Total Length—Feet [m]						Total Length—Feet [m]					
		25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]	25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]
		Vertical Separation—Feet [m]						Vertical Separation—Feet [m]					
018	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]
024	1/4" [6.35]	25 [7.62]	50 [15.24]					25 [7.62]	23 [7.01]				
	5/16 [7.94]		24 [7.32]	34 [10.36]	44 [13.41]	54 [16.46]	64 [19.51]		48 [14.63]	38 [11.58]	28 [8.53]	18 [5.49]	8 [2.44]
030	1/4" [6.35]	25 [7.62]	50 [15.24]					25 [7.62]	23 [7.01]				
	5/16 [7.94]		19 [5.79]	33 [10.06]	47 [14.33]	61 [18.59]			50 [15.24]	39 [11.89]	25 [7.62]	11 [3.35]	
	3/8 [9.53]					11 [3.35]	15 [4.57]						57 [17.37]
036	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]
042	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]
048	3/8 [9.53]	25 [7.62]	44 [13.41]	53 [16.15]	61 [18.59]	70 [21.34]		25 [7.62]	28 [8.53]	19 [5.79]	11 [3.35]	3 [0.91]	
	1/2 [12.7]					37 [11.28]	39 [11.89]					35 [10.67]	33 [10.06]
060	3/8 [9.53]	25 [7.62]	48 [14.63]	61 [18.59]	72 [21.95]			25 [7.62]	23 [7.01]	11 [3.35]	3 [0.91]		
	1/2 [12.7]				35 [10.67]	38 [11.58]	41 [12.50]				37 [11.28]	34 [10.36]	31 [9.45]

*Standard line size

NOTES:

- 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 5/8" [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								
UAKB-		018	024	030	036	042	048	060
Unit Suction Line Connection Size		5/8" [15.88 mm] I.D. Sweat	3/4" [19.05 mm] I.D. Sweat				1 1/8" [28.58 mm] I.D. Sweat*	
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Standard 3/4" [19.05 mm] O.D. Optional	5/8" [15.88 mm] O.D. Optional 3/4" [19.05 mm] O.D. Standard 7/8" [22.23 mm] O.D. Optional				7/8" [22.23 mm] O.D. Optional 1 1/8" [28.58 mm] O.D. Standard 1 3/8" [34.94 mm] O.D. Optional	
25' [7.62]	Optional	—	.98	—	—	—	.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	—	—	—	.97	.97
	Standard	.98	.99	.99	.98	.97	1.00	.99
	Optional	1.00	1.00	1.00	1.00	1.00	1.01	1.01
100' [30.48]	Optional	—	.93	—	—	—	.96	.95
	Standard	.96	.98	.97	.96	.94	.99	.99
	Optional	.99	.99	.99	.99	.98	1.00	1.00
150' [45.72]	Optional	—	—	—	—	—	.93	.91
	Standard	.97	.97	.95	.93	.90	.99	.98
	Optional	.98	.98	.97	.97	.96	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 100 feet [30.48 m]. See Liquid Line chart for Vertical Separation Requirements and Limitations.

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

[] Designates Metric Conversions