BLOCK 949 LOT 17 QUALIFICATION CODE _____ ADDRESS (SITE) 1735 Forge Pond rd PERMIT NO. 11-0649

CONSTRUCTION PERMIT APPLICATION

C-11-000160

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

I. IDENTIFICATION

1. Proposed Work Site at: 1735 Forge Pond r d
2. Name of Owner in Fee: David & Burke
   Tel. [redacted] e-mail
   Address 1735 (street) Forge Pond rd (municipality) Brick (zip code) 08724
3. Ownership in Fee: Public ____ Private X
4. Principal Contractor: Winch Plumbing Tel. ( ) ____
   Address 484 Shrewsbury Ave e-mail Buzz@winchplumbing.com
   License No. OR, if new home, Builder Reg. No. 6486 Exp. Date 2011
   Home Improvement Contractor Registration No. or Exemption Reason (if applicable): ____
   Federal Emp. ID No. 22-3420983 FAX: (732) 747 8567
5. Architect or Engineer ____ Contact ____
   Address ____ e-mail ____
   Tel. ( ) ____ FAX: ( ) ____
6. Responsible Person in Charge once Work has Begun Warren Winch
   Tel. (732) 458 5490 FAX: (732) 840 3654

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	$ 45		
2. Electrical	35		
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	$		
8. Subtotal	$		
9. State Permit Surcharge Fee			
10. Subtotal	$ 9		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	$ 89		

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. Max. Live Load	
7. Max. Occupancy Load	
8. If Industrialized Building: State Approved ____ HUD ____	
9. Total Land Area Disturbed ____ sq. ft.	
10. Flood Hazard Zone	
11. Base Flood Elevation ____ ft.	
12. Wetlands yes ____ no ____	

IIa. PROPOSED WORK

- ☐ Minor Work
- ☐ Repair
- ☐ Asbestos Abat. -Subch. 8
- ☐ New Building
- ☐ Alteration
- ☐ Lead Hazard Abatement
- ☐ Addition
- ☐ Renovation
- ☐ Radon Remediation
- ☐ Demolition
- ☐ Reconstruction
- ☐ Annual Permit

Elec to Follow by HO

IIb. SUBCODES (Check all that apply)

FOR OFFICE USE ONLY (Optional)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Resubmission Dates Rejection	Re-viewer
☐ Building		KB 7/8/10							
☐ Electrical					1-25-11	JS			
☐ Plumbing					1-25-11	RJ			
☐ Fire Protection									
☐ Elevator									
TOTAL COST									

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL *(primary use)*
1. State Specific Use:
2. Use Group, Proposed: ____
3. Change in Use Group, Indicate Present:
4. No. of dwelling units: *Total Units* *Income-restricted*
   Gained, Sale ____ ____
   Gained, Rental ____ ____
   Lost, Sale ____ ____
   Lost, Rental ____ ____

B. NON-RESIDENTIAL *(primary use)*
1. State Specific Use:
2. Use Group, Proposed: ____
3. Change in Use Group, Indicate Present:

C. MIXED USE -List secondary use(s): ____

D. Construct. Classification: Present ____ Proposed ____

III. PLAN REVIEW (optional)

DO YOU WANT:
1. ☐ Partial Releases
2. ☐ Prototype Processing

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

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

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.ix:

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.

(X) Check if contractor.

Agent Name Winch Plumbing

Address 484 Shrewsbury Ave
Tinton Falls, NJ. 08724

Telephone (732) 747 8679 / cell 732 859-4677

Signature Warren Winch

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

OFFICE USE ONLY

DATE:	COMMENTS:	INITIALS:
1/31/11	spoke to H/o will be coming in to fill out elec.	

Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 04/29/2011
Control Number C-11-000160
Permit Number 11-0649
Permit Issue Date 03/17/2011
Certificate Number 11-0649

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 1735 FORGE POND RD. Brick Township, NJ Block: 849 Lot: 15 Qual:

Owner in Fee: BURKE, DAVID J & STEPHANIE

Owner Address: 1735 FORGE POND RD BRICK NJ 08724

Telephone:

Contractor WINCH PLG,HTG & MECHANICAL INC

Address 484 SHREWBURY AVENUE TINTON FALLS NJ 07724

Telephone: (732) 747-8670 Fax: (732) 747-8652

License Number or Builders Registration Number: Federal Emp. Number: 223068282

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: AIR CONDITIONER replacement

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

Fee: $0.00
Check Number:
Collected By:

Date Printed: 04/29/2011 U.C.C. F260 (rev. 08/05)

CONSTRUCTION PERMIT

Date Issued 03/17/11
Control # C-11-000160
Permit # 11-0649

IDENTIFICATION Block: 849 Lot: 15 Qualifier
Work Site Location: 1735 FORGE POND RD. Brick Township, NJ
Owner in Fee BURKE, DAVID J & STEPHANIE
1735 FORGE POND RD BRICK NJ 08724
Telephone: [redacted]

Contractor WINCH PLG,HTG & MECHANICAL INC
Address 484 SHREWBURY AVENUE TINTON FALLS NJ 07724
Telephone: (732)747-8670
Lic. No. or Bldrs. Reg. No.
Federal Employee. No. 223068282

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:
AIR CONDITIONER replacement

Note: If constuction 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 $5,300

Construction Official 1-26-11 Date

PAYMENTS (Office Use Only)

Building	$0
Electrical	$40
Plumbing	$50
Fire Protection	$0
Elevator Devices	$0
Other	$0.00
DCA Training Fee	$9
CO Fee	
Other	$0
Total	$99
Check No.	
Cash	$0
Credit	$0
Collected By	

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

1 WHITE - INSPECTOR 2 CANARY - OFFICE 3 PINK - TAX ASSESSOR 4 GOLD - APPLICANT

REQUIRED INSPECTIONS

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

03/17/11 10:19AM [redacted]
XM06 SERV.006
PLUMBING

ELECTRICAL SUBCODE
TECHNICAL SECTION

Date Received / Control # 11-0649

Date Issued / Permit # 03/17/11

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

Block 349 Lot 10 Qualification Code

Work Site Location Residence, 1735 Forge Road Rd Bridgeton, NJ 08724

Owner in Fee Stephanie Burke

Address 1735 Forge Road Rd Bridgeton, NJ 08724

Tel [redacted]

Cont

Address same

Tel ( ) FAX ( )

Contractor License No.

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed

[ ] Pole/Pad # [ ] Temporary [ ] Other

Building Occupied as Utility Co.

Est. Cost of Elec. Work $ X ~~$6000.00~~

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.

X Stephanie Burke

Applicant's Signature/Contractor's Seal and Signature

[ ] Licensed Elec. Contractor [ ] Certif'd Landscape Irrigation Cont'r [ ] 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	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	$
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
1		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
1		A/C Replacement	
		Administrative Surcharge	$
		Minimum Fee	$
		State Permit Surcharge Fee	$
		TOTAL FEE	$

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[ ] No Plans Required — Date 1/25-11 Initial JV

Joint Plan Review Required:
[ ] Building [ ] Plumbing
[ ] Fire [ ] Elevator
[ ] Elec. Plans Approved

Date:

Approved by:

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA

Date: 4-28-11

Approved by: JV

INSPECTIONS — Dates (Month/Day)

Type:	Failure	Failure	Approval	Initial
Rough				
Barrier-Free				
Trench				
Temp. Serv.				
Constr. Serv.				
TCO				
Other				
Service				
Final	3-31-11		4-26-11	JV
Barrier-Free				

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

U.C.C. F120 (rev. 07/03) 1 White = Inspector Copy 2 Canary = Office Copy 3 Pink = Office Copy 4 Gold = Applicant Copy

PLUMBING SUBCODE
TECHNICAL SECTION

Date Received / Control # 11-0649

Date Issued / Permit # 03/17/11

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

Block 849 Lot 13 Qualification Code

Work Site Location 1735 Forge Pond Rd

Owner in Care of Mr + Mrs David Burke

Tel. ([redacted]) e-mail

Address 1735 Forge Pond Rd
street municipality zip code

Contractor: Winch PLB Tel. ( )

Address 484 Shrewsbury Ave e-mail
Tinton Falls NJ 07701

Contractor License No. ~~[illegible]~~ 13VH02878000 Exp. Date 2010

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. FAX: (732) ~~747~~ 747 8562

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer Private Septic

Water Service Size Public Water Private Well

Est. Cost of Plumbing Work $ 4300

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
[ ] Partial -Underslab Utilities Approved
Date: Approved by:
[ ] Plumbing Plans Approved
Date: Approved by:
Joint Plan Review Required:
[ ] Bldg. [ ] Elec. [ ] Fire. [ ] Elev.

SUBCODE APPROVAL for PERMIT
Date: 1-25-11
Approved by:

SUBCODE APPROVAL for CERTIFICATE
[ ] CO [ ] CCO [ ] CA [ ] TCO
Date: 04-01-11
Approved by:

INSPECTIONS Type:	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
LPGas Tank				
Fuel Oil Piping				
Solar				
TCO				
Final			03-31-11	

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.

Wayne Winch
Applicant's Signature/Contractor's Seal and Signature

[X] Licensed Plumbing Contractor [ ] Exempt Applicant

We are not Doing P/B Work

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replacement

QTY.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
	Water Closet	$
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
	Gas Piping	
	LPGas Tank	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
1	Other A.C. (Cond Line)	
	Other	

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

PLUMBING SUBCODE
TECHNICAL SECTION

Date Received / Control # 11-06449

Date Issued / Permit # 03/17/11

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

Block 849 Lot 15 Qualification Code

Work Site Location 1735 Forge Pond Rd Brick

Owner ir [redacted] David Burke

Tel. ( ) e-mail

Address 1735 Forge Pond rd
street municipality zip code

Contractor: CJ Inch Plb Tel. ( )

Address 484 Shrewsbury Ave Tinton Falls N.J. 07701 e-mail

Contractor License No. ~~[redacted]~~ 13VH02878000 Exp. Date 2010

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. FAX: (732) 747 8562

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer Private Septic

Water Service Size Public Water Private Well

Est. Cost of Plumbing Work $ 4300

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
[ ] Partial -Underslab Utilities Approved
Date: Approved by:
[ ] Plumbing Plans Approved
Date: Approved by:
Joint Plan Review Required:
[ ] Bldg. [ ] Elec. [ ] Fire. [ ] Elev.

SUBCODE APPROVAL for PERMIT
Date: 3-25-11
Approved by: aj

SUBCODE APPROVAL for CERTIFICATE
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

INSPECTIONS Type:	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
LPGas Tank				
Fuel Oil Piping				
Solar				
TCO				
Final				

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.

Wayne Wood
Applicant's Signature/Contractor's Seal and Signature

[X] Licensed Plumbing Contractor [ ] Exempt Applicant

We are not Doing Plb Work

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replacement

QTY.	FIXTURE/EQUIPMENT	FEE (Office Use Only) $
	Water Closet	
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
	Gas Piping	
	LPGas Tank	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
1	Other A.C. (Cond Lin)	
	Other	

Administrative Surcharge	$
Minimum Fee	$
State Permit Surcharge Fee	$
TOTAL FEE	$

PLUMBING SUBCODE
TECHNICAL SECTION

Date Received / Control # 11-0649

Date Issued / Permit # 03/17/11

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

Block 849 Lot 13 Qualification Code

Work Site Location 1735 Forge Pond rd Brick

Owner in Fee: Mr. & Mrs. David Burke

Tel. ([redacted] e-mail

Address 1735 Forge Pond rd
street municipality zip code

Contractor: Winch Plb Tel. ( )

Address 484 Shrewsbury Ave e-mail
Tinton Falls, N.J. 07701

Contractor License No. [redacted] 13VH02878000 Exp. Date 2010

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No.: FAX: (732) 747 8562

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer Private Septic

Water Service Size Public Water Private Well

Est. Cost of Plumbing Work $ 4300

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[ ] No Plans Required
[ ] Partial -Underslab Utilities Approved
Date: Approved by:
[ ] Plumbing Plans Approved
Date: Approved by:
Joint Plan Review Required:
[ ] Bldg. [ ] Elec. [ ] Fire. [ ] Elev.

SUBCODE APPROVAL for PERMIT
Date: 1-25-11
Approved by: BJ

SUBCODE APPROVAL for CERTIFICATE
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

INSPECTIONS Type:	Dates (Month/Day) Failure	Failure	Approval	Initial
Slab				
Rough				
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
LPGas Tank				
Fuel Oil Piping				
Solar				
TCO				
Final				

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.

Diana Winch
Applicant's Signature/Contractor's Seal and Signature

[X] Licensed Plumbing Contractor [ ] Exempt Applicant

We are not doing Plb work

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Replacement

QTY.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
	Water Closet	$
	Urinal/Bidet	
	Bath Tub	
	Lavatory	
	Shower	
	Floor Drain	
	Sink	
	Dishwasher	
	Drinking Fountain	
	Washing Machine	
	Hose Bibb	
	Water Heater	
	Fuel Oil Piping	
	Gas Piping	
	LPGas Tank	
	Steam Boiler	
	Hot Water Boiler	
	Sewer Pump	
	Interceptor/Separator	
	Backflow Preventer	
	Greasetrap	
	Sewer Connection	
	Water Service Connection	
	Stacks	
1	Other A.C. (Cond Line)	
	Other	

Administrative Surcharge	$
Minimum Fee	$
State Permit Surcharge Fee	$
TOTAL FEE	$

ELECTRICAL SUBCODE
TECHNICAL SECTION

Date Received 11-0649
Control #
1735 Forge Road
Date Issued 03/17/11
Permit #

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

Block 349 Lot 12 Qualification Code

Work Site Location Residence: 1735 Forge Road Rd
Bruce, MS 38724

Owner in Fee Stephanie Bullock

Address 1735 Forge Road Rd
Bruce, MS 38724

Tel [redacted]

Contractor Home owner

Address same

Tel ( ) FAX ( )

Contractor License No.

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed

[ ] Pole/Pad # [ ] Temporary [ ] Other

Building Occupied as Utility Co.

Est. Cost of Elec. Work $ X $10000.00

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.

X Stephanie Bullock
Applicant's Signature/Contractor's Seal and Signature

[ ] Licensed Elec. Contractor [ ] Certif'd Landscape Irrigation Cont'r [ ] 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	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	$
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
1		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
1		A/C Replacement	

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

JOB SUMMARY (Office Use Only)

PLAN REVIEW

	Date	Initial
[✓] No Plans Required	3-15-11	JT

Joint Plan Review Required:
[ ] Building [ ] Plumbing
[ ] Fire [ ] Elevator
[ ] Elec. Plans Approved

Date:
Approved by:

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA

Date:
Approved by:

INSPECTIONS

Type:	Failure	Failure	Approval	Initial
Rough				
Barrier-Free				
Trench				
Temp. Serv.				
Constr. Serv.				
TCO				
Other				
Service				
Final				
Barrier-Free				

Dates (Month/Day)

Temp. Cut-in-Card Date Issued
Final Cut-in-Card Date Issued
Annual Pool Inspection
Date of Grounding and Bonding Certification

U.C.C. F120 (rev. 07/03) 1 White = Inspector Copy 2 Canary = Office Copy 3 Pink = Office Copy 4 Gold = Applicant Copy

NEW JERSEY UNIFORM CONSTRUCTION CODE

ELECTRICAL SUBCODE
TECHNICAL SECTION

Date Received 11-0649
Control #
Date Issued 03/17/11
Permit #

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

Block 349 Lot 12 Qualification Code

Work Site Location Residence, 1736 Forge Pond Rd
Brick, NJ 08724

Owner in Fee Stephanie Burke

Address 1736 Forge Pond Rd
Brick, [redacted] 08724

Tel [redacted]

Co[redacted] (same)

Address same

Tel ( ) FAX ( )

Contractor License No.

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed

[ ] Pole/Pad # [ ] Temporary [ ] Other

Building Occupied as Utility Co.

Est. Cost of Elec. Work $ X 2000.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW Date Initial

[✓] No Plans Required 1-25-11 [initial]

Joint Plan Review Required:

[ ] Building [ ] Plumbing

[ ] Fire [ ] Elevator

[ ] Elec. Plans Approved

Date:

Approved by:

SUBCODE APPROVAL

[ ] CO [ ] CCO [ ] CA

Date:

Approved by:

INSPECTIONS — Dates (Month/Day)

Type:	Failure	Failure	Approval	Initial
Rough				
Barrier-Free				
Trench				
Temp. Serv.				
Constr. Serv.				
TCO				
Other				
Service Final				
Barrier-Free				

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

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.

X Stephanie Burke

Applicant's Signature/Contractor's Seal and Signature

[ ] Licensed Elec. Contractor [ ] Certif'd Landscape Irrigation Cont'r [ ] 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	
		Communications Points	
		Alarm Devices/F.A.C. Panel	
		TOTAL NUMBERS	$
		Pool Permit/with UW Lights	
		Storable Pool/Spa/Hot Tub	
		KW Elec. Range/Receptacle	
		KW Oven/Surface Unit	
		KW Elec. Water Heater	
		KW Elec. Dryer/Receptacle	
		KW Dishwasher	
		HP Garbage Disposal	
		KW Central A/C Unit	
1		HP/KW Space Heater/Air Handler	
		KW Baseboard Heat	
		HP Motors 1/+ HP	
		KW Transformer/Generator	
		AMP Service	
		AMP Subpanels	
		AMP Motor Control Center	
		KW Elec. Sign/Outline Light	
1		A/C Replacement	

Administrative Surcharge $

Minimum Fee $

State Permit Surcharge Fee $

TOTAL FEE $

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Department of Community Development & Land Use

Juan Carlos Bellu
Director

732-262-1027

Fax: 732-262-2941
www.twp.brick.nj.us

January 21, 2011

Mr. & Mrs. David Burke
1735 Forge Pond Road
Brick, NJ 08724

Re: Permit application – Air Conditioning
1735 Forge Pond Road

Dear Mr. & Mrs. Burke:

On July 8, 2010 this office received a permit application from Winch Plumbing regarding the above referenced project.

This permit application could not be processed without the electric application. At that time Winch Plumbing was notified regarding this and provided a letter stating that you were going to be submitting the necessary electric.

To date we have not yet received this information. If this work has already been completed, you may be subject to a violation and/or penalty of up to $2,000 for working without a permit and failure to obtain required inspections.

Please contact this office by calling (732)262-104 regarding this matter.

Sincerely,

Mary Jane Rinaldi
Sr. Permit Clerk

Cc: Winch Plumbing
File

WINCH

PLUMBING, HEATING & MECHANICAL ,INC.

484 SHREWSBURY AVE., TINTON FALLS 07701
38 GARDEN AVE BRICK , N.J. 08724
MASTER LICENSE # 6488
(732) 747-8679 FAX (732) 747-8562
FAX 732-840-3684
WWW.winchplumbing.com
WWW.winchplumbinggallery.com
E mail //www.buzz@winchplumbing.com

7/8/2010

To whom it may concern , 1735 forge pond road
Homeowner David Burke is an Engineer as he told me , we are doing a direct replacement . David is doing all final electrical connections , we agreed to run wires along with our line set under his approval due to the heat in the attic. Winch plumbing , Heating & Mechanical have completed the contract of proper removal and installation of A.C. unit under emergency situation . Siding contractor put nail thru Freon line and killed unit.
I have worked with Dave on other electrical jobs and that he has does a nice job ,mechanically sound.

Dave please complete and drop off the enclosed electrical permit to brick town hall or go on line for mailing address , THANK-YOU

I will send Dave a copy of this statement certified .

Warren Winch

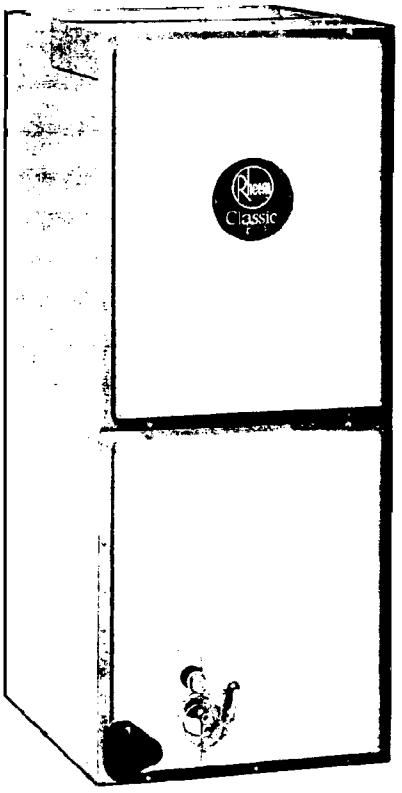
All material is guaranteed to be as specified. All work to be completed in a work like manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will become an extra charge over and above the contract and will be paid upon invoice. We agree to pay service charge of 1-1/2% of any late Monies owing. We also agree to pay attorney & collection fees and any other expenses incurred by Winch Plumbing, Heating & Mechanical, Inc. in collection to the indebtedness of the customer. If the applicant is a corporation, the undersigned whether or not is an officer of the corporation, does personally guarantee payment of all bill. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workers Compensation Insurance. Each payment due must be received by us before next event begins. Acceptance of Contract, above prices, specifications, payment schedules and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Date of Acceptance:

Signature _____.

FORM NO. H11-524 REV. 5
Supersedes Form No. H11-524 Rev. 4

AIR HANDLERS



Rheem Classic® Plus

AIR HANDLERS

RHLA- High Efficiency
featuring R-22 Refrigerant
RHLL- High Efficiency
featuring Earth-Friendly
R-410A Refrigerant

R-410A

Classic® SERIES

AIR HANDLERS

RHSA- Standard Efficiency
featuring R-22 Refrigerant
RHSL- Standard Efficiency
featuring Earth-Friendly
R-410A Refrigerant

R-410A

Features

- RHLA/RHLL feature GE's new X-13 motor which provides enhanced SEER performance with most Rheem outdoor units.
- 1½ ton [5.3 kW] through 5 ton [17.6 kW] models are between 42½ to 55½ inches [1080 to 1410 mm] tall and 22 inches [559 mm] deep.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Factory-installed high efficiency indoor coil.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Sturdy construction with 1.0 inch [.24 kPa] of reinforced foil faced jacket insulation for excellent thermal and sound insulation.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL and cUL requirements for service disconnect.

ARI PERFORMANCE CERTIFIED — ARI Standard 210/240 Unitary Small AC — www.aridirectory.org

ARI PERFORMANCE CERTIFIED — ARI Standard 210/240 Unitary Small HP — www.aridirectory.org

ANAB ACCREDITED — ISO 9001:2000 — Certificate Number: 30164

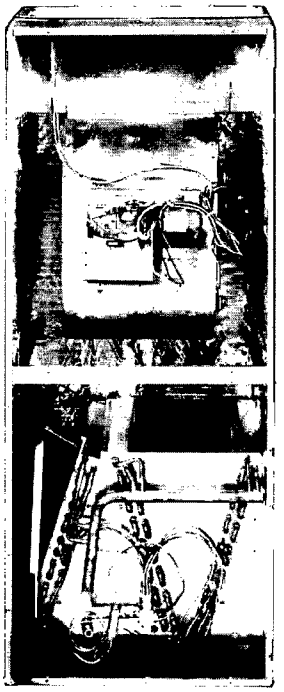
c UL us LISTED

Engineering Features

RHLA/RHLL/RHSA/RHSL- Series

- The most compact unit design available, all standard heat air handler models only 42½ to 55½ inches [1079 to 1409 mm] high.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment for excellent thermal and sound performance.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Traditional open wire element design for heat applications.
- Field convertible for vertical downflow, horizontal left hand or right hand air supply.
- 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Expansion valve on indoor coil provides for operation with air conditioning or heat pump using the same coil.
- Coils are constructed of aluminum fins bonded to internally grooved copper tubing.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical, connections available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1½ inch [38 mm] conduit.
- Front refrigerant and drain connections.

[ ] Designates Metric Conversions



GENERAL TERMS OF LIMITED WARRANTY

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

Indoor Coil leaks caused by
factory defects.....Five (5) Years
Electric Heating Element.....Five (5) Years
Any Other Part.....Five (5) Years

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

Model Identification

R H L A — HM 24 17 J A

Design Variation
A = 1st Design

Voltage
A = 115/1/60
J = 208/240/1/60

Cabinet Size
17 = 17.5" [431.8 mm] (600-1200 CFM)
21 = 21" [533.4 mm] (1400-1600 CFM)
24 = 24.5" [609.6 mm] (1600-1800 CFM)

Capacity
24 = 18,000/24,000 BTU/H [5.27/7.03 kW]
36 = 30,000/36,000 BTU/H [6.79/10.55 kW]
48 = 42,000/48,000 BTU/H [12.31/14.06 kW]
60 = 60,000 BTU/H [17.58 kW]

HM = A/C or HP Multi-Position
(Vertical Upflow/Horizontal Left is the factory configuration)

Refrigerant
A = R-22
L = R-410A

L = High Efficiency (X-13 Motor)

Classification
H = Air Handler

Rheem

Available Models at A Voltage	
RHSA(L)-HM1817AA	RHLA(L)-HM2417AA
RHSA(L)-HM2417AA	RHLA(L)-HM3617AA
RHSA(L)-HM3017AA	RHLA(L)-HM4821AA
RHSA(L)-HM3617AA	RHLA(L)-HM4824AA
RHSA(L)-HM4221AA	RHLA(L)-HM6024AA
RHSA(L)-HM4821AA	

Available Models at J Voltage	
RHSA(L)-HM1817JA	RHLA(L)-HM2417JA
RHSA(L)-HM2417JA	RHLA(L)-HM3617JA
RHSA(L)-HM3017JA	RHLA(L)-HM4821JA
RHSA(L)-HM3617JA	RHLA(L)-HM4824JA
RHSA(L)-HM3621JA	RHLA(L)-HM6024JA
RHSA(L)-HM4221JA	
RHSA(L)-HM4821JA	
RHSA(L)-HM4824JA	
RHSA(L)-HM6024JA*	

Available Models at D Voltage
RHSA(L)-HM3617DA
RHSA(L)-HM3621DA
RHSA(L)-HM4221DA
RHSA(L)-HM4821DA
RHSA(L)-HM4824DA
RHSA(L)-HM6024DA

***RHSA(L)-HM6024JA is ARI rated for three phase application only.**

- **Supply circuit protective devices may be fuses or "HACR" type circuit breakers.**
- **Largest motor load is included in single circuit and multiple circuit.**
- **If non-standard fuse size is specified, use the next larger fuse size.**
- **J Voltage (230V) single-phase air handler is designed to be used with single or three phase 230 volt power. In the case of connecting 3-phase power to the air handler terminal block, bring only two leads to the terminal block. Cap, insulate and fully secure the third lead.**
- **The air handlers are shipped from the factory with the proper indoor coil installed, and cannot be ordered without a coil.**
- **The air handlers do not have an internal filter rack. An external filter rack or other means of filtration is required.**

R H S A — HM 18 17 J A

Design Variation
A = 1st Design

Voltage
A = 115/1/60
D = 480V-3-60
J = 208/240/1/60

Cabinet Size
17 = 17.5" [431.8 mm] (600-1200 CFM)
21 = 21" [533.4 mm] (1200-1600 CFM)
24 = 24.5" [609.6 mm] (1600-1800 CFM)

Capacity
18 = 18,000 BTU/H [5.27 kW]
24 = 24,000 BTU/H [7.03 kW]
30 = 30,000 BTU/H [8.79 kW]
36 = 36,000 BTU/H [10.55 kW]
42 = 42,000 BTU/H [12.31 kW]
48 = 48,000 BTU/H [14.06 kW]
60 = 60,000 BTU/H [17.58 kW]

HM = A/C or HP, Multi-Position
(Vertical Upflow/Horizontal Left is the factory configuration)

Refrigerant
A = R-22
L = R-410A

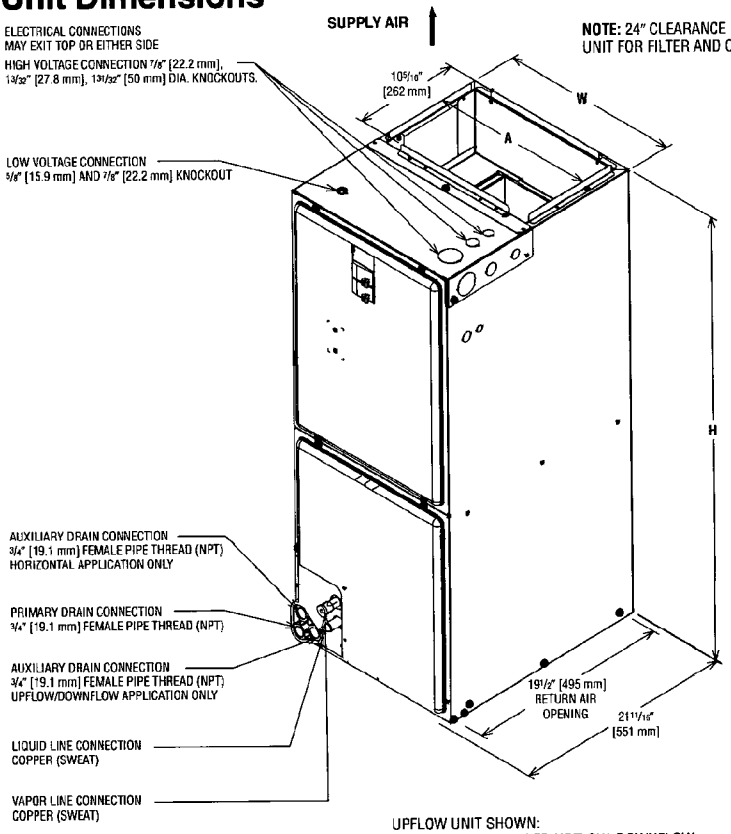
S = Standard Model (PSC Motor)

Classification
H = Air Handler

Rheem

[ ] Designates Metric Conversions

Unit Dimensions

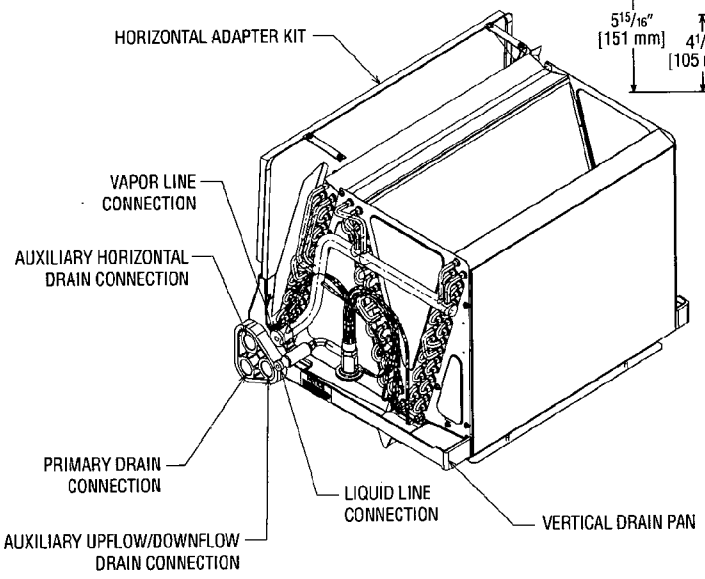


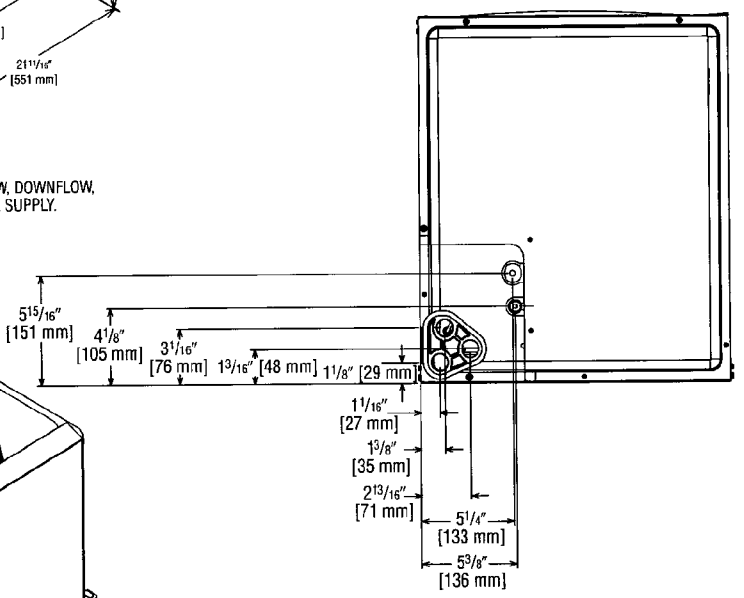
NOTE: 24" CLEARANCE REQUIRED IN FRONT OF UNIT FOR FILTER AND COIL MAINTENANCE.

UPFLOW UNIT SHOWN:
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW, HORIZONTAL RIGHT OR LEFT AIR SUPPLY.

Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
17	15 7/8	19 3/4
21	19 3/8	19 3/4
24	22 7/8	19 3/4





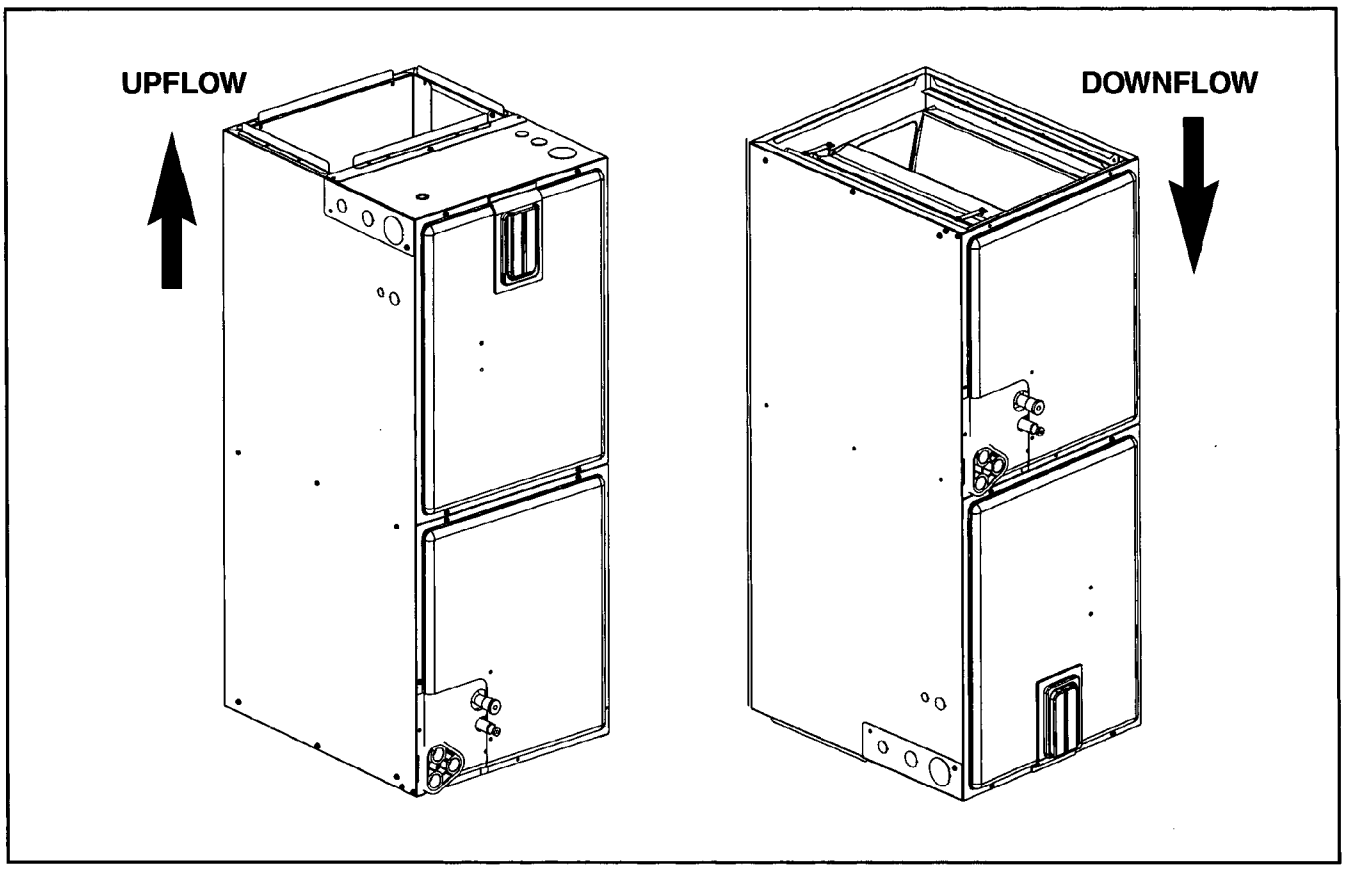
[ ] Designates Metric Conversions

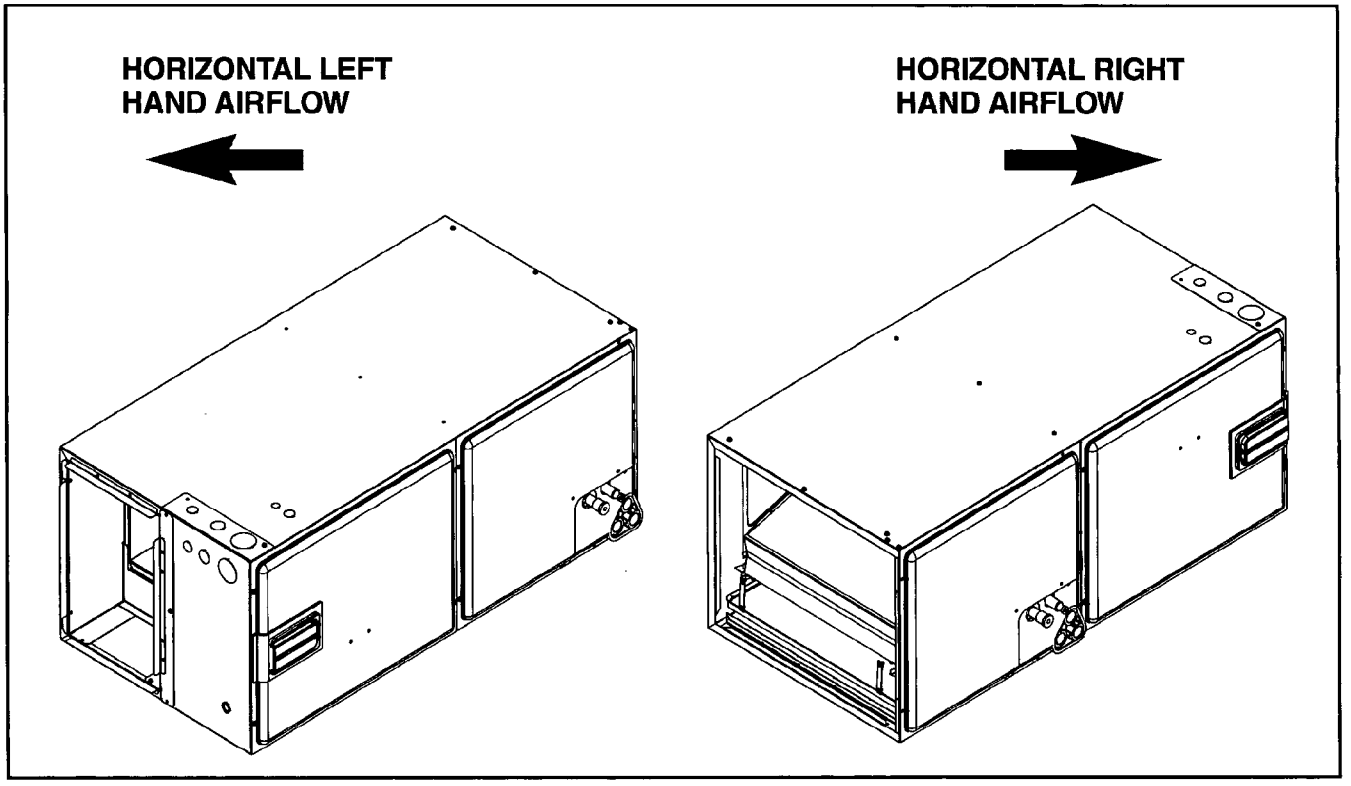
( ) Designates Unit with Double Coil Cabinet

Unit Dimensions & Weights

Model Size	Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Supply Duct "A" In. [mm]	Air Flow CFM (Nom.) [L/s]		Unit Weight/Shipping Weight (Lbs.) [kg]
				Lo	Hi	Unit With Coil (Max. KW)
1817/2417	17 1/2 [445]	42 1/2 [1080]	16 [406]	600 [283]	800 [378]	82/96 [37/44]
3017/3617	17 1/2 [445]	42 1/2 [1080]	16 [406]	1000 [472]	1200 [566]	92/106 [37/48]
3621	21 [533]	42 1/2 [1080]	19 1/2 [495]	1200 [566]	—	97/112 [44/51]
4221/4821	21 [533]	50 1/2 [1282]	19 1/2 [495]	1400 [661]	1600 [755]	150/166 [68/75]
4824	24 1/2 [622]	55 1/2 [1410]	23 [584]	1600 [755]	—	162/180 [73/81]
6024	24 1/2 [622]	55 1/2 [1410]	23 [584]	—	1800 [850]	181/198 [82/90]

Airflow Directions





Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .3 [8 mm] to .7 inches [18 mm] W.C. external static range. Units with coils should be applied with a minimum of .1 inch [3 mm] W.C. external static range.

Airflow Operating Limits

Model Cabinet Size	17		17		21		24	
Cooling BTUH x 1,000 Cooling Tons Nominal	-018 1.5	-024 2	-030 2.5	-036 3	-042 3.5	-048 4	-048 4	-060 5
Heat Pump or Air Conditioning Maximum Heat/Cool CFM [L/s] (37.5 CFM [18 L/s]/1,000 BTUH) (450 CFM [212 L/s]/Ton Nominal)	675 [319]	900 [425]	1125 [531]	1350 [637]	1575 [743]	1800 [850]	1800 [850]	1930 [911]
Heat Pump or Air Conditioning Nominal Heat/Cool CFM [L/s] (33.3 CFM [16 L/s]/1,000 BTUH) (400 CFM [189 L/s]/Ton Nominal)	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1600 [755]	1800 [850]
Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (30.0 CFM [14 L/s]/1,255 BTUH) (360 CFM [170 L/s]/Ton Nominal)	540 [255]	720 [340]	900 [425]	1080 [510]	1260 [595]	1440 [680]	1440 [680]	1620 [765]
Maximum kW Electric Heating & Minimum Electric Heat CFM [L/s]	10 500 [236]	10 650 [307]	15 865 [408]	15 1015 [400]	20 1200 [566]	20 1400 [600]	20 1400 [600]	25 1730 [821]
Maximum Electric Heat Rise °F [°C]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]	85 [29]

[ ] Designates Metric Conversions

240V Airflow Performance Data—RHSA/RHSL (PSC Motor)

Model No.	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—240 Volts External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-1817 No Heater	High 240V	517/711 CFM [244/336 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	668 [315]	637 [301]	595 [281]	560 [264]	517 [244]	—	—
					RPM	541	596	657	706	761	—	—
					Watts	180	171	166	161	109	—	—
				High	CFM	—	—	—	—	711 [336]	662 [312]	614 [290]
					RPM	—	—	—	—	812	853	890
					Watts	—	—	—	—	243	227	210
-1817 with 13 kW Heater	High 240V	487/661 CFM [230/312 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	638 [301]	607 [286]	565 [267]	530 [250]	487 [230]	—	—
					RPM	571	626	687	736	791	—	—
					Watts	171	162	157	152	146	—	—
				High	CFM	—	—	—	—	661 [312]	612 [289]	564 [266]
					RPM	—	—	—	—	837	878	915
					Watts	—	—	—	—	232	216	199
-2417 No Heater	High 240V	647/888 CFM [305/419 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	817 [386]	779 [368]	757 [357]	693 [327]	647 [305]	—	—
					RPM	616	667	715	770	808	—	—
					Watts	239	230	221	206	205	—	—
				High	CFM	—	—	—	—	888 [419]	828 [391]	774 [365]
					RPM	—	—	—	—	875	908	958
					Watts	—	—	—	—	331	313	301
-2417 with 13 kW Heater	High 240V	617/838 CFM [291/395 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	787 [371]	749 [353]	727 [343]	663 [313]	617 [291]	—	—
					RPM	646	697	745	800	838	—	—
					Watts	230	221	212	197	187	—	—
				High	CFM	—	—	—	—	838 [395]	778 [367]	724 [342]
					RPM	—	—	—	—	900	933	983
					Watts	—	—	—	—	320	302	290
-3017 No Heater	High 240V	864/1004 CFM [408/474 L/s]	10x8 1/4 HP [186] 2 Speed	Low	CFM	1022 [482]	987 [466]	940 [444]	903 [426]	864 [408]	—	—
					RPM	700	754	794	633	870	—	—
					Watts	344	313	302	309	288	—	—
				High	CFM	—	—	—	—	1004 [474]	951 [449]	883 [417]
					RPM	—	—	—	—	924	953	975
					Watts	—	—	—	—	364	352	344
-3017 with 18 kW Heater	High 240V	814/904 CFM [384/427 L/s]	10x8 1/4 HP [186] 2 Speed	Low	CFM	972 [459]	937 [442]	890 [420]	853 [403]	814 [384]	—	—
					RPM	750	804	844	883	920	—	—
					Watts	324	293	282	274	268	—	—
				High	CFM	—	—	—	—	904 [427]	851 [402]	783 [370]
					RPM	—	—	—	—	949	978	1000
					Watts	—	—	—	—	334	322	314
-3617/-3621 No Heater	High 240V	1104/1248 CFM [521/589 L/s]	10x8 1/3 HP [249] 2 Speed	Low	CFM	1229 [580]	1201 [567]	1170 [552]	1141 [538]	1104 [521]	—	—
					RPM	788	833	872	909	951	—	—
					Watts	466	462	427	406	395	—	—
				High	CFM	—	—	—	—	1248 [589]	1194 [563]	1133 [535]
					RPM	—	—	—	—	1008	1028	1042
					Watts	—	—	—	—	488	475	454

Notes:
- All 208/240V PSC motors have voltage taps for 208 and 240 volts.
- All 208/240V PSC motors are shipped on high speed and 240 volts.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
  - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
  - Replace the cap on the black motor wire.
- Voltage change (208/240V motors):
  - Move the orange lead to transformer 208V tap from 240V tap. Replace the wire cap on 240V tap.
  - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
  - Replace the cap on the purple motor wire.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
  Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

240V Airflow Performance Data—RHSA/RHSL (PSC Motor) (con't.)

Model No.	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—240 Volts External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-3617/3621 with 18 kW Heater	High 240V	1054/1148 CFM [497/542 L/s]	10x8 1/3 HP [249] 2 Speed	Low	CFM	1179 [556]	1151 [543]	1120 [529]	1091 [515]	1054 [497]	—	—
					RPM	838	883	922	959	1001	—	—
					Watts	446	442	407	386	375	—	—
				High	CFM	—	—	—	—	1148 [542]	1094 [516]	1033 [487]
					RPM	—	—	—	—	1033	1053	1067
					Watts	—	—	—	—	458	445	424
-4221 No Heater	High 240V	1241/1537 CFM [586/725 L/s]	10x10 1/2 HP [373] 2 Speed	Low	CFM	1526 [720]	1474 [696]	1427 [673]	1307 [617]	1241 [586]	—	—
					RPM	834	870	902	948	968	—	—
					Watts	560	549	535	476	462	—	—
				High	CFM	—	—	—	—	1537 [725]	1418 [669]	1334 [630]
					RPM	—	—	—	—	1072	1077	1085
					Watts	—	—	—	—	860	835	820
-4221 with 20 kW Heater	High 240V	1225/1500 CFM [553/678 L/s]	10x10 1/2 HP [373] 2 Speed	Low	CFM	1456 [687]	1404 [663]	1357 [640]	1237 [584]	1171 [553]	—	—
					RPM	886	906	925	959	992	—	—
					Watts	542	524	505	468	431	—	—
				High	CFM	—	—	—	—	1437 [678]	1318 [622]	1234 [582]
					RPM	—	—	—	—	1080	1090	1105
					Watts	—	—	—	—	840	800	785
-4821/-4824 No Heater	High 240V	1572/1824 CFM [742/861 L/s]	10x10 3/4 HP [559] 2 Speed	Low	CFM	1741 [822]	1719 [811]	1667 [787]	1628 [768]	1572 [742]	—	—
					RPM	878	920	950	981	1007	—	—
					Watts	785	757	707	667	641	—	—
				High	CFM	—	—	—	—	1824 [861]	1767 [834]	1653 [780]
					RPM	—	—	—	—	1102	1112	1121
					Watts	—	—	—	—	871	830	770
-4821/-4824 with 25 kW Heater	High 240V	1225/1500 CFM [709/814 L/s]	10x10 3/4 HP [559] 2 Speed	Low	CFM	1671 [789]	1649 [778]	1597 [754]	1558 [735]	1502 [709]	—	—
					RPM	945	965	995	1025	1050	—	—
					Watts	715	685	650	630	610	—	—
				High	CFM	—	—	—	—	1724 [814]	1667 [787]	1553 [733]
					RPM	—	—	—	—	1116	1119	1130
					Watts	—	—	—	—	810	780	730
-6024 No Heater	High 240V	1766/1965 CFM [833/927 L/s]	11x11 3/4 HP [559] 2 Speed	Low	CFM	1944 [917]	1912 [902]	1860 [878]	1813 [856]	1766 [833]	—	—
					RPM	764	803	838	865	889	—	—
					Watts	779	763	747	729	708	—	—
				High	CFM	—	—	—	—	1965 [927]	1908 [900]	1854 [875]
					RPM	—	—	—	—	943	967	977
					Watts	—	—	—	—	828	799	795
-6024 with 30 kW Heater	High 240V	1225/1500 CFM [709/814 L/s]	11x11 3/4 HP [559] 2 Speed	Low	CFM	1844 [870]	1812 [855]	1760 [831]	1713 [808]	1666 [786]	—	—
					RPM	839	865	890	913	935	—	—
					Watts	745	729	713	696	678	—	—
				High	CFM	—	—	—	—	1865 [880]	1808 [853]	1754 [828]
					RPM	—	—	—	—	987	1001	1014
					Watts	—	—	—	—	788	766	744

Notes:
- All 208/240V PSC motors have voltage taps for 208 and 240 volts.
- All 208/240V PSC motors are shipped on high speed and 240 volts.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
  - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
  - Replace the cap on the black motor wire.
- Voltage change (208/240V motors):
  - Move the orange lead to transformer 208V tap from 240V tap. Replace the wire cap on 240V tap.
  - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
  - Replace the cap on the purple motor wire.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
  Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

115/208/480V Airflow Performance Data—RHSA/RHSL (PSC Motor)

Model No.	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—115/208/480 Volts External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-1817 No Heater	High	523/705 CFM [247/333 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	681 [321]	636 [300]	606 [286]	567 [268]	523 [247]	—	—
					RPM	541	601	670	714	768	—	—
					Watts	193	181	173	164	157	—	—
				High	CFM	—	—	—	—	705 [333]	650 [307]	599 [283]
					RPM	—	—	—	—	815	861	989
					Watts	—	—	—	—	239	227	204
-1817 with 13 kW Heater	High	487/661 CFM [230/312 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	651 [307]	606 [286]	576 [272]	537 [253]	493 [233]	—	—
					RPM	571	631	700	744	798	—	—
					Watts	184	172	164	155	148	—	—
				High	CFM	—	—	—	—	655 [309]	600 [283]	549 [259]
					RPM	—	—	—	—	840	886	1014
					Watts	—	—	—	—	228	216	193
-2417 No Heater	High	647/888 CFM [305/419 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	875 [413]	806 [380]	787 [371]	739 [349]	682 [322]	—	—
					RPM	648	700	745	794	827	—	—
					Watts	259	255	243	234	227	—	—
				High	CFM	—	—	—	—	897 [423]	851 [402]	765 [361]
					RPM	—	—	—	—	906	925	955
					Watts	—	—	—	—	332	318	306
-2417 with 13 kW Heater	High	617/838 CFM [291/395 L/s]	10x6 1/5 HP [149] 2 Speed	Low	CFM	845 [399]	776 [366]	757 [357]	709 [335]	652 [308]	—	—
					RPM	678	730	775	824	857	—	—
					Watts	250	246	234	225	218	—	—
				High	CFM	—	—	—	—	847 [400]	801 [378]	715 [337]
					RPM	—	—	—	—	931	950	980
					Watts	—	—	—	—	321	307	295
-3017 No Heater	High	864/1004 CFM [408/474 L/s]	10x8 1/4 HP [186] 2 Speed	Low	CFM	1038 [490]	1010 [477]	976 [461]	925 [437]	883 [417]	—	—
					RPM	721	771	799	848	880	—	—
					Watts	325	314	303	290	286	—	—
				High	CFM	—	—	—	—	1015 [479]	963 [454]	890 [420]
					RPM	—	—	—	—	928	955	974
					Watts	—	—	—	—	356	341	329
-3017 with 18 kW Heater	High	814/904 CFM [384/427 L/s]	10x8 1/4 HP [186] 2 Speed	Low	CFM	988 [466]	960 [453]	926 [437]	875 [413]	833 [393]	—	—
					RPM	771	821	849	898	930	—	—
					Watts	305	294	283	270	266	—	—
				High	CFM	—	—	—	—	915 [432]	863 [407]	790 [373]
					RPM	—	—	—	—	953	980	999
					Watts	—	—	—	—	326	311	299
-3617/-3621 No Heater	High	1104/1248 CFM [521/589 L/s]	10x8 1/3 HP [249] 2 Speed	Low	CFM	1201 [567]	1170 [552]	1141 [538]	1104 [521]	1062 [501]	—	—
					RPM	833	872	909	951	965	—	—
					Watts	462	427	406	396	385	—	—
				High	CFM	—	—	—	—	1194 [563]	1134 [535]	1078 [509]
					RPM	—	—	—	—	1024	1042	1060
					Watts	—	—	—	—	475	454	417

Notes:
- All 208/240V PSC motors have voltage taps for 208 and 240 volts.
- All 208/240V PSC motors are shipped on high speed and 240 volts.
- All 115V PSC motors are shipped on high speed.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
  - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
  - Replace the cap on the black motor wire.
- Voltage change (208/240V motors):
  - Move the orange lead to transformer 208V tap from 240V tap. Replace the wire cap on 240V tap.
  - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
  - Replace the cap on the purple motor wire.
- All 480V PSC motors are shipped on high speed.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below for 3-ton through 4-ton air handlers.
  - Unplug the black motor wire off the relay and remove the cap from the red motor wire.
  - Plug the red motor wire to the relay and connect the black motor wire with the yellow motor wire.
- For 5-ton air handler, unplug the black motor wire off the relay and plug in the red motor wire, then cap the black motor wire. There is no yellow motor wire on 5-ton air handler.

WARNING: Do not connect red motor wire with yellow motor wire in any circumstance on 480V PSC motors. Connecting red motor wire with yellow motor wire will result in permanent motor damage.

- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed. Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

115/208/480V Airflow Performance Data—RHSA/RHSL (PSC Motor)

Model No.	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—115/208/480V Volts						
						External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-3617/3621 with 18 kW Heater	High	1054/1148 CFM [497/542 L/s]	10x8 1/3 HP [249] 2 Speed	Low	CFM	1151 [543]	1120 [529]	1091 [515]	1054 [497]	1012 [478]	—	—
					RPM	883	922	959	1001	1015	—	—
					Watts	442	407	386	376	365	—	—
				High	CFM	—	—	—	—	1094 [516]	1034 [488]	978 [462]
					RPM	—	—	—	—	1049	1067	1085
					Watts	—	—	—	—	445	424	387
-4221 No Heater	High	1241/1537 CFM [580/725 L/s]	10x10 1/2 HP [373] 2 Speed	Low	CFM	1493 [705]	1449 [684]	1363 [643]	1287 [607]	1211 [571]	—	—
					RPM	822	858	885	931	958	—	—
					Watts	540	519	506	484	459	—	—
				High	CFM	—	—	—	—	1514 [714]	1411 [666]	1315 [621]
					RPM	—	—	—	—	1061	1069	1078
					Watts	—	—	—	—	710	702	677
-4221 with 20 kW Heater	High	1225/1500 CFM [538/667 L/s]	10x10 1/2 HP [373] 2 Speed	Low	CFM	1423 [672]	1379 [651]	1293 [610]	1217 [574]	1141 [538]	—	—
					RPM	870	882	925	957	992	—	—
					Watts	514	508	490	461	431	—	—
				High	CFM	—	—	—	—	1414 [667]	1311 [619]	1215 [573]
					RPM	—	—	—	—	1067	1080	1094
					Watts	—	—	—	—	700	678	665
-4821/-4824 No Heater	High	1512/1824 CFM [742/801 L/s]	10x10 3/4 HP [559] 2 Speed	Low	CFM	1711 [807]	1689 [797]	1637 [773]	1598 [754]	1542 [728]	—	—
					RPM	863	905	935	966	992	—	—
					Watts	765	737	687	647	621	—	—
				High	CFM	—	—	—	—	1787 [843]	1679 [792]	1575 [743]
					RPM	—	—	—	—	1089	1098	1110
					Watts	—	—	—	—	695	665	630
-4821/-4824 with 25 kW Heater	High	1225/1500 CFM [695/796 L/s]	10x10 3/4 HP [559] 2 Speed	Low	CFM	1641 [774]	1619 [764]	1567 [739]	1528 [721]	1472 [695]	—	—
					RPM	930	950	985	1015	1041	—	—
					Watts	700	660	630	600	580	—	—
				High	CFM	—	—	—	—	1687 [796]	1579 [745]	1475 [696]
					RPM	—	—	—	—	1095	1107	1120
					Watts	—	—	—	—	670	635	615
-6024 No Heater	High	1766/1965 CFM [833/927 L/s]	11x11 3/4 HP [559] 2 Speed	Low	CFM	1866 [881]	1833 [865]	1806 [852]	1772 [836]	1710 [807]	—	—
					RPM	764	803	824	856	886	—	—
					Watts	778	756	733	715	701	—	—
				High	CFM	—	—	—	—	1967 [928]	1916 [904]	1863 [879]
					RPM	—	—	—	—	948	959	991
					Watts	—	—	—	—	850	827	816
-6024 with 30 kW Heater	High	1225/1500 CFM [695/796 L/s]	11x11 3/4 HP [559] 2 Speed	Low	CFM	1796 [848]	1763 [832]	1736 [819]	1702 [803]	1640 [774]	—	—
					RPM	828	860	878	890	1001	—	—
					Watts	735	718	705	695	678	—	—
				High	CFM	—	—	—	—	1867 [881]	1816 [857]	1763 [832]
					RPM	—	—	—	—	989	1005	1020
					Watts	—	—	—	—	818	795	780

Notes:
- All 208/240V PSC motors have voltage taps for 208 and 240 volts.
- All 208/240V PSC motors are shipped on high speed and 240 volts.
- All 115V PSC motors are shipped on high speed.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
  - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
  - Replace the cap on the black motor wire.
- Voltage change (208/240V motors):
  - Move the orange lead to transformer 208V tap from 240V tap. Replace the wire cap on 240V tap.
  - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
  - Replace the cap on the purple motor wire.
- All 480V PSC motors are shipped on high speed.
- If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below for 3-ton through 4-ton air handlers.
  - Unplug the black motor wire off the relay and remove the cap from the red motor wire.
  - Plug the red motor wire to the relay and connect the black motor wire with the yellow motor wire.
- For 5-ton air handler, unplug the black motor wire off the relay and plug in the red motor wire, then cap the black motor wire. There is no yellow motor wire on 5-ton air handler.

WARNING: Do not connect red motor wire with yellow motor wire in any circumstance on 480V PSC motors. Connecting red motor wire with yellow motor wire will result in permanent motor damage.

- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed. Approximate Airflow = Airflow without heater - (Airflow without heater - Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

115V/208V/240V Airflow Performance Data—RHLA/RHLL (X-13 Motor)

Model No.	Tonnage Application	Motor Speed From Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		X-13 CFM [L/s] Air Delivery/RPM/Watts—115/208/240 Volts						
							External Static Pressure—Inches W.C. [kPa]						
							0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-2417 No Heater	1.5 Ton	5	509/681 CFM [240/321 L/s]	10x6 1/3 HP [249] 5 Speed	2	CFM	689 [325]	644 [304]	602 [284]	563 [266]	509 [240]	—	—
						RPM	580	633	683	728	781	—	—
						Watts	66	84	86	88	91	—	—
					3	CFM	—	—	—	—	681 [321]	644 [304]	603 [285]
						RPM	—	—	—	—	835	879	916
						Watts	—	—	—	—	136	143	152
-2417 with 13 kW Heater	1.5 Ton	5	490/666 CFM [231/314 L/s]	10x6 1/3 HP [249] 5 Speed	2	CFM	670 [316]	625 [295]	583 [275]	544 [257]	490 [231]	—	—
						RPM	608	661	711	756	809	—	—
						Watts	75	93	95	47	100	—	—
					3	CFM	—	—	—	—	666 [314]	629 [297]	588 [277]
						RPM	—	—	—	—	855	899	936
						Watts	—	—	—	—	144	151	160
-2417 No Heater	2 Ton	5	730/651 CFM [345/307 L/s]	10x6 1/3 HP [249] 5 Speed	4	CFM	875 [413]	839 [396]	804 [379]	762 [360]	730 [345]	—	—
						RPM	679	724	765	810	852	—	—
						Watts	121	131	135	142	143	—	—
					5	CFM	—	—	—	—	862 [407]	828 [391]	801 [378]
						RPM	—	—	—	—	904	940	970
						Watts	—	—	—	—	203	215	228
-2417 with 13 kW Heater	2 Ton	5	711/626CFM [336/295 L/s]	10x6 1/3 HP [249] 5 Speed	4	CFM	856 [404]	820 [387]	785 [370]	743 [351]	711 [336]	—	—
						RPM	707	752	793	838	880	—	—
						Watts	130	140	144	151	152	—	—
					5	CFM	—	—	—	—	837 [395]	803 [379]	776 [366]
						RPM	—	—	—	—	924	960	990
						Watts	—	—	—	—	211	223	288
-3617 No Heater	2.5 Ton	5	935/1084 CFM [441/512 L/s]	10x8 1/2 HP [373] 5 Speed	2	CFM	1093 [516]	1050 [496]	1017 [480]	977 [461]	935 [441]	—	—
						RPM	671	725	764	809	852	—	—
						Watts	153	168	174	180	188	—	—
					3	CFM	—	—	—	—	1084 [512]	1040 [491]	1001 [472]
						RPM	—	—	—	—	896	936	971
						Watts	—	—	—	—	249	257	261
-3617 with 18 kW Heater	2.5 Ton	5	910/1059 CFM [429/500 L/s]	10x8 1/2 HP [373] 5 Speed	2	CFM	1068 [504]	1025 [484]	992 [468]	952 [449]	910 [429]	—	—
						RPM	711	765	804	849	892	—	—
						Watts	164	179	185	191	199	—	—
					3	CFM	—	—	—	—	1059 [500]	1015 [479]	976 [461]
						RPM	—	—	—	—	936	976	1011
						Watts	—	—	—	—	260	268	272
-3617 No Heater	3 Ton	5	1130/1275 CFM [533/602 L/s]	10x8 1/2 HP [373] 5 Speed	4	CFM	1270 [599]	1237 [584]	1199 [566]	1165 [550]	1130 [533]	—	—
						RPM	775	816	846	882	926	—	—
						Watts	237	249	259	268	277	—	—
					5	CFM	—	—	—	—	1275 [602]	1244 [587]	1211 [571]
						RPM	—	—	—	—	963	999	1029
						Watts	—	—	—	—	338	348	363
-3617 with 18 kW Heater	3 Ton	5	1105/1250 CFM [521/590 L/s]	10x8 1/2 HP [373] 5 Speed	4	CFM	1245 [588]	1212 [572]	1174 [554]	1140 [538]	1105 [521]	—	—
						RPM	815	856	886	922	966	—	—
						Watts	248	260	270	279	288	—	—
					5	CFM	—	—	—	—	1250 [590]	1219 [575]	1186 [560]
						RPM	—	—	—	—	1003	1039	1069
						Watts	—	—	—	—	349	359	374

Notes: X-13 motor speed changes.

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.

X-13 air handlers are always shipped from factory at Speed tab 5, except for -4824, which is set at Speed tab 3. For instance, RHLA-HM2417JA is always shipped at high static 2-ton airflow (Speed tab 5). To change to 1.5-ton airflow, move the blue wire to Speed tab 2 or 3 on the X-13 motor.

The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.

- The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.
  Approximate Airflow = Airflow without heater – (Airflow without heater – Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

115/208/240V Airflow Performance Data—RHLA/RHLL (X-13 Motor) (con't.)

Model No.	Tonnage Application	Motor Speed From Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] # of Speed	Motor Speed		PSC CFM [L/s] Air Delivery/RPM/Watts—115/208/240 Volts External Static Pressure—Inches W.C. [kPa]						
							0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
-4821 No Heater	3.5 Ton	5	1337/1447 CFM [631/683 L/s]	10x10 3/4 HP [559] 5 Speed	2	CFM	1473 [695]	1442 [681]	1401 [661]	1373 [648]	1337 [631]	—	—
						RPM	781	825	867	905	949	—	—
						Watts	257	271	303	307	315	—	—
					3	CFM	—	—	—	—	1447 [683]	1433 [676]	1402 [662]
						RPM	—	—	—	—	987	1034	1065
						Watts	—	—	—	—	394	406	405
-4221 with 20 kW Heater	3.5 Ton	5	1297/1333 CFM [612/629 L/s]	10x10 3/4 HP [559] 5 Speed	2	CFM	1433 [676]	1402 [662]	1361 [642]	1333 [629]	1297 [612]	—	—
						RPM	831	875	919	954	989	—	—
						Watts	277	295	313	319	325	—	—
					3	CFM	—	—	—	—	1333 [629]	1300 [613]	1267 [598]
						RPM	—	—	—	—	1011	1046	1080
						Watts	—	—	—	—	350	364	377
-4821 No Heater	4 Ton	5	1535/1654 CFM [724/781 L/s]	10x10 3/4 HP [559] 5 Speed	4	CFM	1665 [786]	1631 [770]	1601 [756]	1572 [742]	1535 [724]	—	—
						RPM	853	893	934	968	1015	—	—
						Watts	351	387	401	406	422	—	—
					5	CFM	—	—	—	—	1654 [781]	1624 [766]	1563 [738]
						RPM	—	—	—	—	1036	1078	1095
						Watts	—	—	—	—	500	513	523
-4821 with 25 kW Heater	4 Ton	5	1495/1614 CFM [706/762 L/s]	10x10 3/4 HP [559] 2 Speed	4	CFM	1625 [767]	1591 [751]	1561 [737]	1532 [723]	1495 [706]	—	—
						RPM	894	932	970	1020	1052	—	—
						Watts	389	400	410	430	450	—	—
					5	CFM	—	—	—	—	1614 [762]	1584 [748]	1523 [719]
						RPM	—	—	—	—	1085	1090	1105
						Watts	—	—	—	—	514	520	530
-4824 No Heater	4 Ton	3	1545/1732 CFM [729/817 L/s]	11x11 3/4 HP [559] 5 Speed	2	CFM	1748 [825]	1669 [788]	1639 [773]	1599 [755]	1545 [729]	—	—
						RPM	660	698	734	762	795	—	—
						Watts	297	311	326	340	353	—	—
					3	CFM	—	—	—	—	1732 [817]	1683 [794]	1630 [769]
						RPM	—	—	—	—	840	872	899
						Watts	—	—	—	—	448	467	480
-4824 with 25 kW Heater	4 Ton	3	1505/1692 CFM [710/798 L/s]	11x11 3/4 HP [559] 5 Speed	2	CFM	1708 [806]	1629 [769]	1599 [755]	1559 [736]	1505 [710]	—	—
						RPM	680	736	760	790	820	—	—
						Watts	305	330	341	350	361	—	—
					3	CFM	—	—	—	—	1692 [798]	1643 [775]	1590 [750]
						RPM	—	—	—	—	865	890	1014
						Watts	—	—	—	—	460	470	481
-6024 No Heater	5 Ton	5	1739/1905 CFM [821/899 L/s]	11x11 3/4 HP [559] 5 Speed	4	CFM	1902 [898]	1862 [879]	1809 [854]	1781 [840]	1739 [821]	—	—
						RPM	712	749	787	815	856	—	—
						Watts	389	409	419	432	459	—	—
					5	CFM	—	—	—	—	1905 [899]	1866 [881]	1832 [865]
						RPM	—	—	—	—	894	924	950
						Watts	—	—	—	—	565	570	592
-6024 with 30 kW Heater	5 Ton	5	1699/1865 CFM [802/880 L/s]	11x11 3/4 HP [559] 5 Speed	4	CFM	1862 [879]	1822 [860]	1769 [835]	1741 [822]	1699 [802]	—	—
						RPM	750	790	810	850	880	—	—
						Watts	410	420	430	455	479	—	—
					5	CFM	—	—	—	—	1865 [880]	1826 [862]	1792 [846]
						RPM	—	—	—	—	920	945	970
						Watts	—	—	—	—	565	587	610

Notes: X-13 motor speed changes.

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.

X-13 air handlers are always shipped from factory at Speed tab 5, except for -4824, which is set at Speed tab 3. For instance, RHLA-HM2417JA is always shipped at high static 2-ton airflow (Speed tab 5). To change to 1.5-ton airflow, move the blue wire to Speed tab 2 or 3 on the X-13 motor.

The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.

- The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.
- The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.
- The following formula can be used to calculate the approximate airflow, if a smaller (N kW) than the maximum heater kit is installed.

  Approximate Airflow = Airflow without heater – (Airflow without heater – Airflow with maximum heater) x (N kW/maximum heater kW)

[ ] Designates Metric Conversions

RHSA/RHSL Electrical Data – Blower Motor Only – No Electric Heat

Cooling Capacity Tons	Voltage	Application Phase*	Hertz	HP [W]	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
1½	115	1	60	1/5 [149]	1075	2	2.3	3.0	15
2				1/5 [149]	1075	2	3.8	5.0	15
2½				1/4 [186]	1075	2	4.7	6.0	15
3				1/3 [249]	1075	2	6.1	8.0	15
3½				1/2 [373]	1075	2	7.9	10.0	15
4				3/4 [559]	1075	2	8.4	11.0	15
1½	208/240	1 & 3	60	1/5 [149]	1075	2	1.7	3.0	15
2				1/5 [149]	1075	2	1.7	3.0	15
2½				1/4 [186]	1075	2	2.5	4.0	15
3				1/3 [249]	1075	2	2.5	4.0	15
3½				1/2 [373]	1075	2	5.2	7.0	15
4				3/4 [559]	1075	2	5.2	7.0	15
5	208/240	3	60	3/4 [559]	1075	2	5.2	7.0	15
3	480	3	60	1/3 [249]	1075	2	1.4	2.0	15
3½				1/3 [249]	1075	2	2.1	3.0	15
4				3/4 [559]	1075	2	2.2	3.0	15
5	480	3	60	3/4 [559]	1075	2	2.2	3.0	15

* Blower motors are all single phase motors.

RHLA/RHLL Electrical Data – Blower Motor Only – No Electric Heat

Cooling Capacity Tons	Voltage	Application Phase*	Hertz	HP [W]	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
1½ & 2	208/240	1 & 3	60	1/3 [249]	300-1100	4	1.6	2.0	15
2½ & 3				1/2 [373]	300-1100	4	2.7	4.0	15
3½ & 4				3/4 [559]	300-1100	4	3.8	5.0	15
5				3/4 [559]	300-1100	4	4.6	6.0	15
1½ & 2	115	1	60	1/3 [249]	300-1100	4	4.8	6.0	15
2½ & 3				1/2 [373]	300-1100	4	6.8	9.0	15
3½ & 4				3/4 [559]	300-1100	4	8.4	11.0	15
5				3/4 [559]	300-1100	4	8.4	11.0	15

* Blower motors are all single phase motors.

[ ] Designates Metric Conversions

RHSA/RHSL Electrical Data – with Electric Heat

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Nominal Cooling Capacity Tons/ Cabinet Size	Model No.	Heater kW (208/240V ①)	PH/Hz	No. Elements - kW Per	Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
1½ & 2/ 17	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	1.7	16/18	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	1.7	24/28	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	1.7	35/40	35/40
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	1.7	46/53	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	1.7	59/68	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	1.7	21/24	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	1.7	21/24	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	1.7	28/31	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	1.7	35/40	35/40
2½ & 3/ 17	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	2.5	17/19	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.5	25/29	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.5	36/41	40/45
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.5	47/54	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	2.5	60/69	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	2.5	22/25	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.5	68/79	70/80
	RXBH-17A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.5	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-17A18J	12.8/17.0	1/60	3-5.68	SINGLE	61.6/70.8	2.5	81/92	90/100
	RXBH-17A18J	4.3/5.7	1/60	1-5.68	MULTIPLE CKT 1	20.5/23.6	2.5	29/33	30/35
		8.5/11.3	1/60	2 - 5.68	MULTIPLE CKT 2	41.1/47.2	0	52/59	60/60
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.5	22/25	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.5	29/32	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	2.5	36/41	40/45
	RXBH-17A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.5	41/47	45/50
	RXBH-17A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.5	48/55	50/60
	RXBH-17A07D	7.2	3/60	2-3.6	SINGLE	8.7	1.4	13	15
	RXBH-17A10D	9.6	3/60	3 - 3.2	SINGLE	11.6	1.4	17	20
	RXBH-17A15D	14.4	3/60	3 - 4.8	SINGLE	17.3	1.4	24	25
	RXBH-17A18D	17	3/60	3 - 5.68	SINGLE	20.4	1.4	28	30
3/ 21	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.5	25/29	25/30
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.5	36/41	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.5	47/54	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.5	68/79	70/80
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.5	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-24A18J	12.8/17.0	1/60	4-4.26	SINGLE	61.6/70.8	2.5	81/92	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	2.5	42/48	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0	39/45	40/45
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.5	22/25	25/25
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.5	29/32	30/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.5	41/47	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.5	48/55	50/60
	RXBH-24A07D	7.2	3/60	2-3.6	SINGLE	8.7	1.4	13	15
	RXBH-24A10D	9.6	3/60	3 - 3.2	SINGLE	11.6	1.4	17	20
	RXBH-24A15D	14.4	3/60	3 - 4.8	SINGLE	17.3	1.4	24	25
	RXBH-24A18D	17	3/60	3 - 5.68	SINGLE	20.4	1.4	28	30

① This does not include "D Voltage". D Voltage = 480 Volts.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- No electrical heating elements are permitted to be used with A voltage (115V) air handler.
- J voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.
- Do not use 480 volts electrical heaters on 230 volts air handlers.
- Do not use 230 volts electrical heaters on 480 volts air handlers.

RHSA/RHSL Electrical Data – with Electric Heat (con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Nominal Cooling Capacity Tons/ Cabinet Size	Model No.	Heater kW (208/240V ①)	PH/Hz	No. Elements - kW Per	Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
3½ & 4/ 21 and 4/ 24	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	4.0	27/30	30/30
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	4.0	38/43	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	4.0	49/55	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	4.0	70/80	70/80
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	4.0	27/30	30/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	4.0	82/94	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	4.0	44/50	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0.0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	4.0	92/105	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	4.0	49/55	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	4.0	113/130	125/150
	RXBH-24A25J (4-ton only)	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	4.0	42/47	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0.0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0.0	36/42	40/45
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	4.0	24/27	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	4.0	30/34	30/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	4.0	43/49	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	4.0	50/57	50/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	4.0	55/63	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	4.0	30/34	30/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0.0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	4.0	68/78	70/80
	RXBH-24A25C (4-ton only)	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	4.0	37/42	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0.0	32/37	35/40
	RXBH-24A07D	7.2	3/60	2-3.6	SINGLE	8.7	2.2	14	15
	RXBH-24A10D	9.6	3/60	3 - 3.2	SINGLE	11.6	2.2	18	20
	RXBH-24A15D	14.4	3/60	3 - 4.8	SINGLE	17.3	2.2	25	25
	RXBH-24A18D	17	3/60	3 - 5.68	SINGLE	20.4	2.2	29	30
	RXBH-24A20D	19.2	3/60	6 - 3.2	SINGLE	23.2	2.2	32	35
	RXBH-24A25D (4-ton only)	24.0	3/60	6 - 4.0	SINGLE	28.8	2.2	39	40
5/ 24	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	4.4	28/31	30/35
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	4.4	25/28	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	4.4	31/35	35/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	4.4	43/49	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	4.4	50/57	50/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	4.4	56/64	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	4.4	31/35	35/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	4.4	68/78	70/80
	RXBH-24A25C	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	4.4	37/42	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0	32/37	35/40
	RXBH-24A30C*	21.6/28.8	3/60	6-4.8	SINGLE	60.0/69.4	4.4	81/93	90/100
	RXBH-24A30C	10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 1	30.0/34.7	4.4	43/49	45/50
		10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 2	30.0/34.7	0	38/44	40/45
	RXBH-24A07D	7.2	3/60	2-3.6	SINGLE	8.7	2.2	14	15
	RXBH-24A10D	9.6	3/60	3 - 3.2	SINGLE	11.6	2.2	18	20
	RXBH-24A15D	14.4	3/60	3 - 4.8	SINGLE	17.3	2.2	25	25
	RXBH-24A18D	17	3/60	3 - 5.68	SINGLE	20.4	2.2	29	30
	RXBH-24A20D	19.2	3/60	6 - 3.2	SINGLE	23.2	2.2	32	35
	RXBH-24A25D	24.0	3/60	6 - 4.0	SINGLE	28.8	2.2	39	40
	RXBH-24A30D*	28.8	3/60	6 - 4.8	SINGLE	34.6	2.2	46	50

① This does not include "D Voltage". D Voltage = 480 Volts.

* Values only. No single point kit available.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- No electrical heating elements are permitted to be used with A voltage (115V) air handler.
- J voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.
- Do not use 480 volts electrical heaters on 230 volts air handlers.
- Do not use 230 volts electrical heaters on 480 volts air handlers.

RHLA/RHLL Electrical Data – with Electric Heat

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Nominal Cooling Capacity Tons/ Cabinet Size	Rheem Model No.	Heater KW 208/240V	PH/HZ	No. Elements - KW Per	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
1½ & 2/ 17	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	1.6	16/18	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	1.6	24/27	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	1.6	35/40	35/40
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	1.6	46/52	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	1.6	59/68	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	1.6	21/24	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	1.6	21/24	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	1.6	27/31	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	1.6	35/40	35/40
2½ & 3/ 17	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	2.7	17/19	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.7	25/29	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.7	36/41	40/45
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.7	47/54	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	2.7	60/69	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	2.7	23/26	25/30
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.7	69/79	70/80
	RXBH-17A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.7	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-17A18J	12.8/17.0	1/60	3-5.68	SINGLE	61.6/70.8	2.7	81/92	90/100
	RXBH-17A18J	4.3/5.7	1/60	1-5.68	MULTIPLE CKT 1	20.5/23.6	2.7	29/33	30/35
		8.5/11.3	1/60	2 - 5.68	MULTIPLE CKT 2	41.1/47.2	0	52/59	60/60
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.7	23/25	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.7	29/33	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	2.7	36/41	40/45
	RXBH-17A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.7	41/47	45/50
	RXBH-17A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.7	48/55	50/60
3½ & 4/ 21	RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	3.8	27/30	30/30
	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	3.8	38/43	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	3.8	48/55	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	3.8	70/80	70/80
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	3.8	27/30	30/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	3.8	82/94	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	3.8	44/49	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0.0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	3.8	92/105	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	3.8	48/55	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	3.8	113/130	125/150
	RXBH-24A25J (4-ton only)	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	3.8	41/47	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0.0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0.0	36/42	40/45
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	3.8	24/27	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	3.8	30/34	30/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	3.8	43/48	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	3.8	50/56	50/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	3.8	55/63	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	3.8	30/34	30/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0.0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	3.8	68/77	70/80
	RXBH-24A25C (4-ton only)	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	3.8	36/41	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0.0	32/37	35/40

* Values only. No single point kit available.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- No electrical heating elements are permitted to be used with A voltage (115V) air handler.
- J voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.
- Do not use 480 volts electrical heaters on 230 volts air handlers.
- Do not use 230 volts electrical heaters on 480 volts air handlers.

RHLA/RHLL Electrical Data – with Electric Heat (con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Nominal Cooling Capacity Tons/ Cabinet Size	Rheem Model No.	Heater KW 208/240V	PH/HZ	No. Elements - KW Per	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
4 & 5/ 24	RXBH-24A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	4.6	39/44	40/45
	RXBH-24A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	4.6	49/56	50/60
	RXBH-24A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	4.6	71/81	80/90
	RXBH-24A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	4.6	28/31	30/35
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-24A18J	12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	4.6	83/95	90/100
	RXBH-24A18J	6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	4.6	45/50	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0	39/45	40/45
	RXBH-24A20J	14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	4.6	93/106	100/110
	RXBH-24A20J	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	4.6	49/56	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-24A25J	18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	4.6	114/131	125/150
	RXBH-24A25J	6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	4.6	42/48	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0	36/42	40/45
	RXBH-24A30J	21.6/28.8	1/60	6-4.8	SINGLE	103.8/120.	4.6	136/156	150/175
	RXBH-24A30J (5-ton only)	7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	4.6	49/56	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 3	34.6/40.0	0	44/50	45/50
	RXBH-24A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	4.6	25/28	25/30
	RXBH-24A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	4.6	31/35	35/35
	RXBH-24A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	4.6	44/49	45/50
	RXBH-24A18C	12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	4.6	51/57	60/60
	RXBH-24A20C*	14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	4.6	56/64	60/70
	RXBH-24A20C	7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	4.6	31/35	35/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0	25/29	25/30
	RXBH-24A25C*	18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	4.6	69/78	70/80
	RXBH-24A25C	9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	4.6	37/42	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0	32/37	35/40
	RXBH-24A30C*	21.6/28.8	3/60	6-4.8	SINGLE	60.0/69.4	4.6	81/93	90/100
	RXBH-24A30C (5-ton only)	10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 1	30.0/34.7	4.6	44/50	45/50
		10.8/14.4	3/60	3 - 4.8	MULTIPLE CKT 2	30.0/34.7	0	38/44	40/45

* Values only. No single point kit available.

- Supply circuit protective devices may be fused or "HACR" type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.
- Largest motor load is included in single circuit or circuit 1 of multiple circuit.
- Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.
- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- No electrical heating elements are permitted to be used with A voltage (115V) air handler.
- J voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.
- Do not use 480 volts electrical heaters on 230 volts air handlers.
- Do not use 230 volts electrical heaters on 480 volts air handlers.

Electrical Wiring:

Power Wiring

- Field wiring must comply with the National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- Supply wiring must be 75°C minimum copper conductors only.
- See electrical data for product Ampacity rating and Circuit Protector requirement.

Grounding

- This product must be sufficiently grounded in accordance with National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- A grounding lug is provided.

Accessories-Kits—Parts

- **Combustible Floor Base RXHB-**

Model Cabinet Size	Combustible Floor Base Model Number
17	RXHB-17
21	RXHB-21
24	RXHB-24

- **Jumper Bar Kit 3 Ckt. to 1 Ckt. RXBJ-A31** is used to convert single phase multiple three circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Jumper Bar Kit 2 Ckt. to 1 Ckt. RXBJ-A21** is used to convert single phase multiple two circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Note:** No jumper bar kit is available to convert three phase multiple two circuit units to a single supply circuit.

- **Auxiliary Horizontal Overflow Pan Accessory RXBM-**

Nominal Cooling Capacity-Tons	Auxiliary Horizontal Overflow Pan Accessory Model Number
1½ - 3	RXBM-AC48
3½ - 5	RXBM-AC61

- **External Filter Rack RXHF-B17, B21, B24**

Model Cabinet Size	Filter Size In. [mm]	Part Number*	A	B
17	16 x 20 [406 x 508]	RXHF-B17	16.90	20.77
21	20 x 20 [508 x 508]	RXHF-B21	20.40	20.77
24	25 x 20 [635 x 508]	RXHF-B24	25.00	21.04

*Accommodates 1" filter

- **Auxiliary Electric Heater Kits RXBH-**
  Heater Kits include circuit breakers which meet UL and cUL requirements for service disconnect. See the Electric Heat Electrical Data in this specification sheet for specific Heater Kit Model numbers.
- **Horizontal Adapter Kit RXHH-**
  This horizontal adapter kit is used to convert Upflow/Downflow only models to horizontal flow. See the following table to order proper horizontal adapter kit.

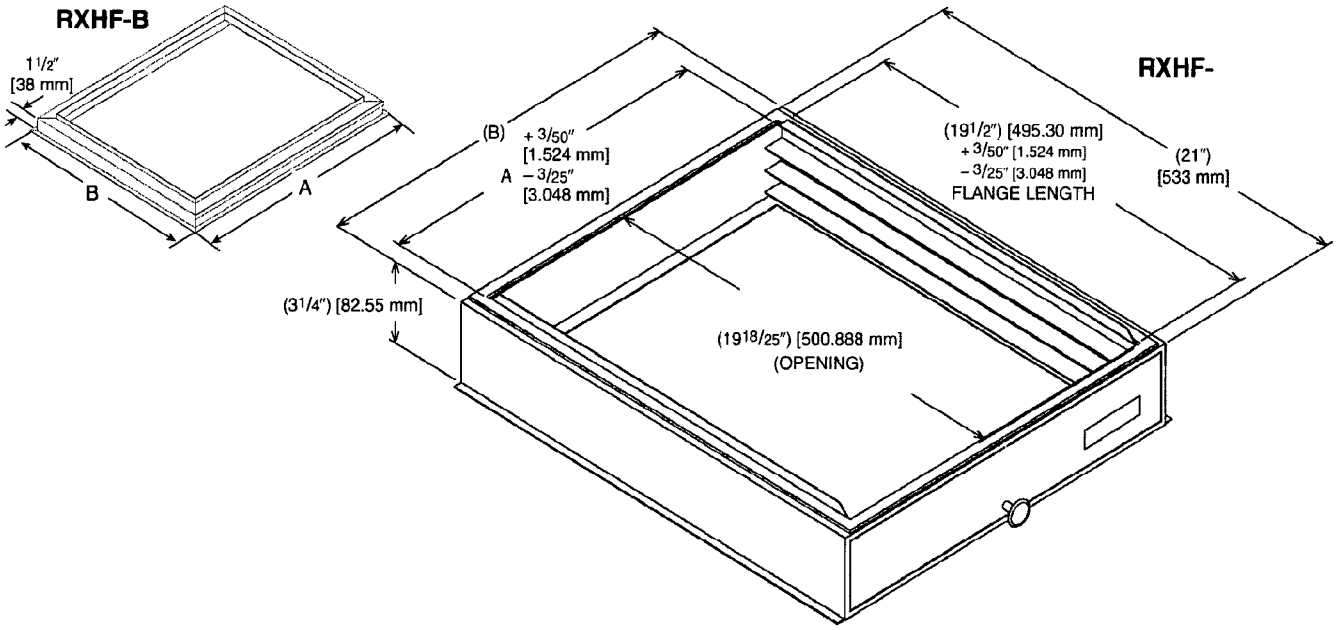
Coil Model	Horizontal Adapter Kit Model Number (Single Qty.)	Horizontal Adapter Kit Model Number (10-Pack Qty.)
2414	RXHH-A01	RXHH-A01 x 10
2417	RXHH-A02	RXHH-A02 x 10
3617/3621	RXHH-A03	RXHH-A03 x 10
4821/4824	RXHH-A04	RXHH-A04 x 10
8024	RXHH-A05	RXHH-A05 x 10

- **External Filter Base RXHF-**

Model Cabinet Size	Filter Size In. [mm]	Part Number*	A	B
17	16 x 20 [406 x 508]	RXHF-17	15.70	17.5
21	20 x 20 [508 x 508]	RXHF-21	19.20	21.0
24	25 x 20 [635 x 508]	RXHF-24	22.70	25.5

*Accommodates 1" or 2" filter

[ ] Designates Metric Conversions



NOTES

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.

RHEEM
AIR CONDITIONING
DIVISION

5600 Old Greenwood Road, Fort Smith, Arkansas 72908

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

PRINTED IN U.S.A. 1-08 DC

FORM NO. H11-524 REV. 5
Supersedes Form No. H11-524 Rev. 4

FORM NO. A11-184 REV. 8
Supersedes Form No. A11-184 Rev. 7

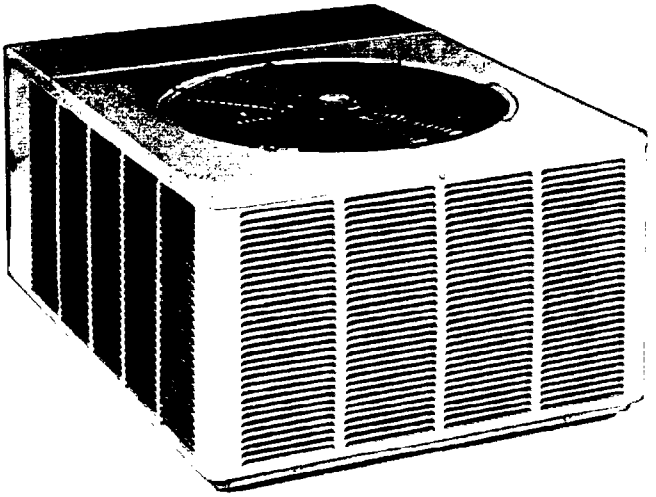
CONDENSING UNITS

Rheem Classic® SERIES

RANL- *AZ R-410A

13 SEER Models
Nominal Sizes 1½ to 5 Tons
[5.28 kW] to [17.6 kW]

Seven Models
Cooling Capacities
18,300 to 62,000 BTU/HR
[5.36 kW] to [18.17 kW]



The Rheem *Classic® Series* High Efficiency RANL- Condensing Units were designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications.

These units also contain the most advanced alternate refrigerant which contains no chlorofluorocarbons (CFCs), or hydrochlorofluorocarbons (HCFCs), or other compounds that may leak from air-conditioning systems and potentially harm the protective ozone layer of the Earth's atmosphere.

The Rheem *Classic® Series* RANL- Condensing Units are the result of an ongoing development program for improved efficiencies. These units are flexible enough to achieve up to 15.00 SEER in specific match-ups, continuing 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.
- 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 8-pole fan 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.

ISO 9001:2000
Certificate Number: 30164

ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER)
13.0
13.0 — Uses least energy → 21.0

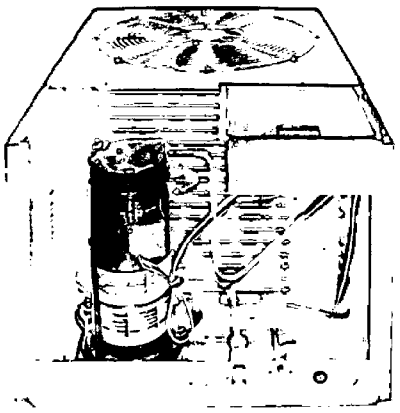
ENERGY STAR PARTNER

ARI PERFORMANCE CERTIFIED
ARI Standard 210/240
Unitary Small AC

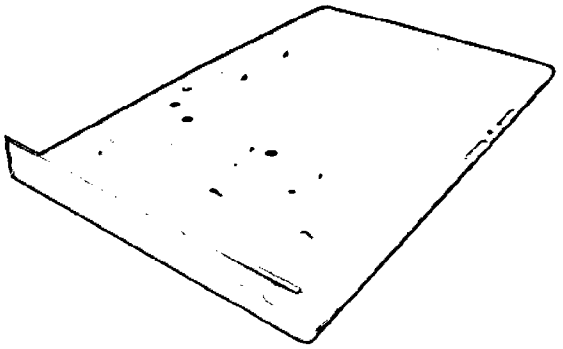
c UL us LISTED

13 SEER MODELS
(IN CERTAIN MATCHED SYSTEMS)

"Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your Contractor for details or visit www.energystar.gov <http://www.energystar.gov/>."



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



Drawn Painted Base Pan.

Engineering Features

RANL- Series Condensing Units

1. This unit contains a special scroll compressor that is designed specifically to operate with R-410A refrigerants and polyolester (POE) oils. The 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. Automatic reset high and low pressure controls are standard on all models.
13. A liquid line filter drier is standard on all models (shipped – not installed).

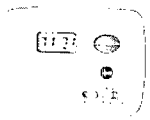
Model Number Identification

R	A	N	L	—	018	J	A	Z
RHEEM	REMOTE CONDENSING UNIT	N = 13 SEER	DESIGN SERIES		COOLING CAPACITY	ELECTRICAL DESIGNATION	VARIATIONS	COOLING CONNECTION FITTING
			L = R-410A		018 = 18,000 BTU/HR [5.28 kW] 024 = 24,000 BTU/HR [7.03 kW] 031 = 30,000 BTU/HR [8.79 kW] 037 = 36,000 BTU/HR [10.55 kW] 043 = 42,000 BTU/HR [12.31 kW] 049 = 48,000 BTU/HR [14.07 kW] 060 = 60,000 BTU/HR [17.58 kW]	J = 208/230V-1-60 C = 208/230V-3-60 (RANL MODELS ONLY) D = 460V-3-60 (RANL MODELS ONLY) Y = 575V-3-60 (RANL 4 & 5 TON MODELS ONLY)	A-SERIES = FULL-FEATURED	Z = SWEAT W/SCROLL

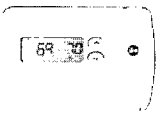
[ ] Designates Metric Conversions

Field Installed Accessories

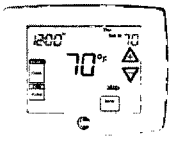
- **Compressor Time Delay Control**—Compressor will remain off for five minutes after power or thermostat interruption, allowing system pressures to equalize. (Model No. RXMD-B01)
- **Thermostats—**



100-Series * Non-Programmable



200-Series * Programmable



300-Series * Deluxe Programmable

400-Series * Special Applications/Programmable

500-Series * Communicating/ Programmable

Brand	Unique Model Number Prefix		Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC		-	TST	101	GE	MS
RHC=Rheem			TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Oil/Electric HP=Heat Pump MD=Modulating Furnace DF=Dual Fuel UN=Universal AC/HP/GE CM=Communicating	SS=Single-Stage MS=Multi-Stage

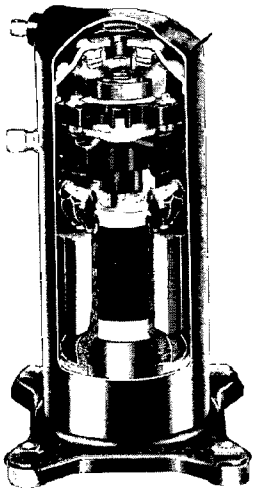
** Photos are representative. Actual models may vary.*

For detailed thermostat match-up information, see specification sheet form number T11-001.

- **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]. It is recommended that this control be installed in units to be operated at outdoor ambient temperatures under 65°F (18°C). (Model No. RXAD-A08)
- **Hard Start Components**—(Available through PROSTOCK®)
- **Compressor Crankcase Heater (CCH)**—While scroll compressors usually do not require crankcase heaters, there are instances when a heater should be added. Refrigerant migration during the off cycle can result in a noisy start up. Add a crankcase heater to minimize refrigeration migration, and to help eliminate any start up noise or bearing "wash out". (Available through PROSTOCK®)

SCROLL® COMPRESSOR

The scroll compressor is the key to efficiency for this Rheem 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 scroll compressor also has low start torque, reducing start problems in the field. And its unique design enables the RANL- condensing units to perform efficiently, quietly and dependably. RANL- *AZ has a 10-year compressor warranty.



Performance Data @ ARI Standard Conditions—Cooling: RANL-

Outdoor Unit RANL-	Model Numbers: Indoor Coil and/or Air Handler	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]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]
Revised 9/12/2008								
	RCFL-H*2417A* ①	18,400 [5.4]	13,200 [3.9]	5,200 [1.5]	11.30	13.00	74	600 [283]
	RCFL-A*2414B*	18,400 [5.4]	13,200 [3.9]	5,200 [1.5]	11.30	13.00	74	600 [283]
	RCFL-A*2417B*	18,400 [5.4]	13,200 [3.9]	5,200 [1.5]	11.30	13.00	74	600 [283]
	RCFL-A*2417B* (RGFD-06?MCK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.50	14.00	74	600 [283]
	RCFL-A*2417B* (RGFD-07?MCK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.50	14.00	74	600 [283]
	RCFL-A*2417B* (RGGD-06?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.65	14.50	74	600 [283]
	RCFL-A*2417B* (RGGD-07?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.55	14.00	74	625 [295]
	RCFL-A*2417B* (RGLR-07?AMK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.70	14.50	74	600 [283]
	RCFL-A*2417B* (RGPR-05?BMK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.40	14.00	74	600 [283]
	RCFL-A*2417B* (RGPR-07?AMK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.65	14.50	74	600 [283]
	RCFL-H*2414A*	18,400 [5.4]	13,200 [3.9]	5,200 [1.5]	11.30	13.00	74	600 [283]
	RCFL-H*2417A* (RGFD-06?MCK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.50	14.00	74	600 [283]
	RCFL-H*2417A* (RGFD-07?MCK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.50	14.00	74	600 [283]
	RCFL-H*2417A* (RGGD-06?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.65	14.50	74	600 [283]
	RCFL-H*2417A* (RGGD-07?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.55	14.00	74	625 [295]
	RCFL-H*2417A* (RGJD-06?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.65	14.50	74	600 [283]
	RCFL-H*2417A* (RGJD-07?MCK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.55	14.00	74	625 [295]
	RCFL-H*2417A* (RGLR-07?AMK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.70	14.50	74	600 [283]
	RCFL-H*2417A* (RGPR-05?BMK?)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.40	14.00	74	600 [283]
	RCFL-H*2417A* (RGPR-07?AMK?)	18,900 [5.5]	13,550 [4.0]	5,350 [1.6]	12.65	14.50	74	600 [283]
018JAZ	RBHP-17 (RCHL-24A2)	18,500 [5.4]	13,000 [3.8]	5,500 [1.6]	12.35	14.00	74	650 [307]
	RCHL-24A2 (RGFD-06?MCK?)	18,300 [5.4]	12,800 [3.8]	5,500 [1.6]	12.25	14.00	74	600 [283]
	RCHL-24A2 (RGFD-07?MCK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.25	14.00	74	600 [283]
	RCHL-24A2 (RGGD-06?MCK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.40	14.00	74	600 [283]
	RCHL-24A2 (RGGD-07?MCK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.35	14.00	74	625 [295]
	RCHL-24A2 (RGJD-06?MCK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.40	14.00	74	600 [283]
	RCHL-24A2 (RGJD-07?MCK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.35	14.00	74	625 [295]
	RCHL-24A2 (RGPR-05?BMK?)	18,300 [5.4]	12,800 [3.8]	5,500 [1.6]	12.15	14.00	74	600 [283]
	RCHL-24A2 (RGPR-07?AMK?)	18,300 [5.4]	12,850 [3.8]	5,450 [1.6]	12.40	14.00	74	600 [283]
	RCQD-2417A*	18,700 [5.5]	13,700 [4.0]	5,000 [1.5]	11.20	13.00	74	600 [283]
	RCQD-2417A* (RGFD-06?MCK?)	19,100 [5.6]	14,000 [4.1]	5,100 [1.5]	12.45	14.50	74	600 [283]
	RCQD-2417A* (RGFD-07?MCK?)	19,100 [5.6]	14,000 [4.1]	5,100 [1.5]	12.45	14.50	74	600 [283]
	RCQD-2417A* (RGJD-06?MCK?)	19,200 [5.6]	14,050 [4.1]	5,150 [1.5]	12.60	14.50	74	600 [283]
	RCQD-2417A* (RGJD-07?MCK?)	19,100 [5.6]	14,000 [4.1]	5,100 [1.5]	12.55	14.50	74	625 [295]
	RCQD-2417A* (RGPR-05?BMK?)	19,100 [5.6]	14,000 [4.1]	5,100 [1.5]	12.35	14.50	74	600 [283]
	RCQD-2417A* (RGPR-07?AMK?)	19,200 [5.6]	14,050 [4.1]	5,150 [1.5]	12.60	14.50	74	600 [283]
	17AHLL24HM (RCSL-H*2417A*)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.55	14.00	74	600 [283]
	17AHSL18HM (RCSL-H*2417A*)	18,600 [5.4]	13,300 [3.9]	5,300 [1.6]	11.70	13.00	74	600 [283]
	RHKL-HM2417 (RCSL-H*2417A*)	19,100 [5.6]	13,750 [4.0]	5,350 [1.6]	12.75	14.50	74	650 [307]
	RHLL-HM2417 (RCSL-H*2417A*)	18,800 [5.5]	13,500 [4.0]	5,300 [1.6]	12.55	14.00	74	600 [283]
	RHSL-HM1817 (RCSL-H*2417A*)	18,600 [5.4]	13,300 [3.9]	5,300 [1.6]	11.70	13.00	74	600 [283]
	RCFL-H*2417A* ①	23,800 [7.0]	16,900 [5.0]	6,900 [2.0]	11.35	13.00	72	800 [378]
	RCFL-A*2414B*	23,800 [7.0]	16,900 [5.0]	6,900 [2.0]	11.35	13.00	72	800 [378]
	RCFL-A*2417B*	23,800 [7.0]	16,900 [5.0]	6,900 [2.0]	11.35	13.00	72	800 [378]
	RCFL-A*2417B* (RGFD-06?MCK?)	24,400 [7.1]	17,350 [5.1]	7,050 [2.1]	12.05	14.00	72	800 [378]
	RCFL-A*2417B* (RGFD-07?MCK?)	24,600 [7.2]	17,400 [5.1]	7,200 [2.1]	12.15	14.00	72	800 [378]
	RCFL-A*2417B* (RGGD-06?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.30	14.00	72	800 [378]
024JAZ	RCFL-A*2417B* (RGGD-07?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.25	14.00	72	800 [378]
	RCFL-A*2417B* (RGLR-07?AMK?)	24,600 [7.2]	17,500 [5.1]	7,100 [2.1]	12.50	14.00	72	800 [378]
	RCFL-A*2417B* (RGPR-05?BMK?)	24,600 [7.2]	17,400 [5.1]	7,200 [2.1]	12.15	14.00	72	775 [366]
	RCFL-A*2417B* (RGPR-07?AMK?)	24,600 [7.2]	17,500 [5.1]	7,100 [2.1]	12.40	14.00	72	800 [378]
	RCFL-H*2414A*	23,800 [7.0]	16,900 [5.0]	6,900 [2.0]	11.35	13.00	72	800 [378]
	RCFL-H*2417A* (RGFD-06?MCK?)	24,400 [7.1]	17,350 [5.1]	7,050 [2.1]	12.05	14.00	72	800 [378]
	RCFL-H*2417A* (RGFD-07?MCK?)	24,600 [7.2]	17,400 [5.1]	7,200 [2.1]	12.15	14.00	72	800 [378]
	RCFL-H*2417A* (RGGD-06?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.30	14.00	72	800 [378]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling: RANL- (continued)

Outdoor Unit RANL-	Model Numbers	80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]
	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER		
Revised 9/12/2008								
024JAZ	RCFL-H*2417A* (RGGD-07?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.25	14.00	72	800 [378]
	RCFL-H*2417A* (RGJD-06?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.30	14.00	72	800 [378]
	RCFL-H*2417A* (RGJD-07?MCK?)	24,600 [7.2]	17,450 [5.1]	7,150 [2.1]	12.25	14.00	72	800 [378]
	RCFL-H*2417A* (RGLR-07?AMK?)	24,600 [7.2]	17,500 [5.1]	7,100 [2.1]	12.50	14.00	72	800 [378]
	RCFL-H*2417A* (RGPR-05?BMK?)	24,600 [7.2]	17,400 [5.1]	7,200 [2.1]	12.15	14.00	72	775 [366]
	RCFL-H*2417A* (RGPR-07?AMK?)	24,600 [7.2]	17,500 [5.1]	7,100 [2.1]	12.40	14.00	72	800 [378]
	RCHL-24A2	22,800 [6.7]	15,650 [4.6]	7,150 [2.1]	10.55	13.00	72	800 [378]
	RBHP-17 (RCHL-24A2)	23,400 [6.9]	16,050 [4.7]	7,350 [2.2]	11.65	14.00	72	825 [389]
	RCHL-24A2 (RGFD-06?MCK?)	23,200 [6.8]	16,100 [4.7]	7,100 [2.1]	11.45	14.00	72	800 [378]
	RCHL-24A2 (RGFD-07?MCK?)	23,200 [6.8]	16,150 [4.7]	7,050 [2.1]	11.55	14.00	72	800 [378]
	RCHL-24A2 (RGGD-06?MCK?)	23,400 [6.9]	16,200 [4.7]	7,200 [2.1]	11.75	14.00	72	800 [378]
	RCHL-24A2 (RGGD-07?MCK?)	23,400 [6.9]	16,200 [4.7]	7,200 [2.1]	11.65	14.00	72	800 [378]
	RCHL-24A2 (RGJD-06?MCK?)	23,400 [6.9]	16,200 [4.7]	7,200 [2.1]	11.75	14.00	72	800 [378]
	RCHL-24A2 (RGJD-07?MCK?)	23,400 [6.9]	16,200 [4.7]	7,200 [2.1]	11.65	14.00	72	800 [378]
	RCHL-24A2 (RGLR-07?AMK?)	23,400 [6.9]	16,300 [4.8]	7,100 [2.1]	11.85	14.00	72	800 [378]
	RCHL-24A2 (RGPR-05?BMK?)	23,200 [6.8]	16,150 [4.7]	7,050 [2.1]	11.55	14.00	72	775 [366]
	RCHL-24A2 (RGPR-07?AMK?)	23,400 [6.9]	16,250 [4.8]	7,150 [2.1]	11.80	14.00	72	800 [378]
	RCQD-2417A*	24,600 [7.2]	17,850 [5.2]	6,750 [2.0]	11.20	13.00	72	800 [378]
	RCQD-2417A* (RGFD-06?MCK?)	25,000 [7.3]	18,100 [5.3]	6,900 [2.0]	12.10	14.00	72	800 [378]
	RCQD-2417A* (RGFD-07?MCK?)	25,200 [7.4]	18,300 [5.4]	6,900 [2.0]	12.15	14.50	72	800 [378]
	RCQD-2417A* (RGJD-06?MCK?)	25,200 [7.4]	18,300 [5.4]	6,900 [2.0]	12.35	14.50	72	800 [378]
	RCQD-2417A* (RGJD-07?MCK?)	25,200 [7.4]	18,300 [5.4]	6,900 [2.0]	12.25	14.50	72	800 [378]
	RCQD-2417A* (RGPR-05?BMK?)	25,200 [7.4]	18,300 [5.4]	6,900 [2.0]	12.20	14.50	72	775 [366]
	RCQD-2417A* (RGPR-07?AMK?)	25,200 [7.4]	18,250 [5.3]	6,950 [2.0]	12.40	14.50	72	800 [378]
	17AHLL24HM (RCSL-H*2417A*)	24,800 [7.3]	17,600 [5.2]	7,200 [2.1]	12.80	15.00	72	775 [366]
	17AHSL24HM (RCSL-H*2417A*)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	11.65	13.00	72	800 [378]
	RHKL-HM2417 (RCSL-H*2417A*)	24,800 [7.3]	17,650 [5.2]	7,150 [2.1]	12.45	14.00	72	850 [401]
	RHLL-HM2417 (RCSL-H*2417A*)	24,800 [7.3]	17,600 [5.2]	7,200 [2.1]	12.80	15.00	72	775 [366]
	RHSL-HM2417 (RCSL-H*2417A*)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	11.65	13.00	72	800 [378]
031JAZ	RCFL-H*3617A* ①	28,800 [8.4]	21,150 [6.2]	7,650 [2.2]	10.95	13.00	73	1,000 [472]
	RCFL-A*3617B*	28,800 [8.4]	21,150 [6.2]	7,650 [2.2]	10.95	13.00	73	1,000 [472]
	RCFL-A*3617B* (RGFD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.40	13.50	73	1,000 [472]
	RCFL-A*3617B* (RGGD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.45	13.50	73	1,000 [472]
	RCFL-A*3617B* (RGGD-07?MCK?)	29,000 [8.5]	21,300 [6.2]	7,700 [2.3]	11.35	13.50	73	1,025 [484]
	RCFL-A*3617B* (RGLR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.65	13.50	73	1,025 [484]
	RCFL-A*3617B* (RGPR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.65	13.50	73	1,000 [472]
	RCFL-A*3621B*	28,800 [8.4]	21,150 [6.2]	7,650 [2.2]	10.95	13.00	73	1,000 [472]
	RCFL-A*3621B* (RGFD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.45	13.50	73	1,000 [472]
	RCFL-A*3621B* (RGGD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.50	13.50	73	1,000 [472]
	RCFL-A*3621B* (RGGD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.40	13.50	73	1,025 [484]
	RCFL-A*3621B* (RGLR-07?AMK?)	29,200 [8.6]	21,400 [6.3]	7,800 [2.3]	11.70	13.50	73	1,025 [484]
	RCFL-A*3621B* (RGLR-07?BRQ?)	29,400 [8.6]	21,600 [6.3]	7,800 [2.3]	12.00	14.00	73	1,000 [472]
	RCFL-A*3621B* (RGPR-05?BMK?)	29,000 [8.5]	21,250 [6.2]	7,750 [2.3]	11.40	13.50	73	1,000 [472]
	RCFL-A*3621B* (RGPR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.70	13.50	73	1,000 [472]
	RCFL-A*3621B* (RGPR-07?BRQ?)	29,400 [8.6]	21,550 [6.3]	7,850 [2.3]	12.05	14.00	73	1,000 [472]
	RCFL-H*3617A* (RGFD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.40	13.50	73	1,000 [472]
	RCFL-H*3617A* (RGGD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.45	13.50	73	1,000 [472]
	RCFL-H*3617A* (RGGD-07?MCK?)	29,000 [8.5]	21,300 [6.2]	7,700 [2.3]	11.35	13.50	73	1,025 [484]
	RCFL-H*3617A* (RGJD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.45	13.50	73	1,000 [472]
	RCFL-H*3617A* (RGJD-07?MCK?)	29,000 [8.5]	21,300 [6.2]	7,700 [2.3]	11.35	13.50	73	1,025 [484]
	RCFL-H*3617A* (RGLR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.65	13.50	73	1,025 [484]
	RCFL-H*3617A* (RGLR-07?BRQ?)	29,400 [8.6]	21,600 [6.3]	7,800 [2.3]	11.95	14.00	73	1,000 [472]
	RCFL-H*3617A* (RGPR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.65	13.50	73	1,000 [472]
	RCFL-H*3621A*	28,800 [8.4]	21,150 [6.2]	7,650 [2.2]	10.95	13.00	73	1,000 [472]
	RCFL-H*3621A* (RGFD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.45	13.50	73	1,000 [472]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling: RANL- (continued)

Outdoor Unit RANL-	Model Numbers: Indoor Coil and/or Air Handler	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]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]
Revised 9/12/2008								
031JAZ	RCFL-H*3621A* (RGGD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.50	13.50	73	1,000 [472]
	RCFL-H*3621A* (RGGD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.40	13.50	73	1,025 [484]
	RCFL-H*3621A* (RGJD-06?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.50	13.50	73	1,000 [472]
	RCFL-H*3621A* (RGJD-07?MCK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.40	13.50	73	1,025 [484]
	RCFL-H*3621A* (RGLR-07?AMK?)	29,200 [8.6]	21,400 [6.3]	7,800 [2.3]	11.70	13.50	73	1,025 [484]
	RCFL-H*3621A* (RGLR-07?BRQ?)	29,400 [8.6]	21,600 [6.3]	7,800 [2.3]	12.00	14.00	73	1,000 [472]
	RCFL-H*3621A* (RGPR-05?BMK?)	29,000 [8.5]	21,250 [6.2]	7,750 [2.3]	11.40	13.50	73	1,000 [472]
	RCFL-H*3621A* (RGPR-07?AMK?)	29,200 [8.6]	21,450 [6.3]	7,750 [2.3]	11.70	13.50	73	1,000 [472]
	RCFL-H*3621A* (RGPR-07?BRQ?)	29,400 [8.6]	21,550 [6.3]	7,850 [2.3]	12.05	14.00	73	1,000 [472]
	RBHP-21 (RCHL-36A1)	29,600 [8.7]	21,150 [6.2]	8,450 [2.5]	12.10	14.00	73	1,050 [495]
	RCHL-36A1 (RGFD-06?MCK?)	28,800 [8.4]	20,300 [5.9]	8,500 [2.5]	11.20	13.00	73	1,000 [472]
	RCHL-36A1 (RGFD-07?MCK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.40	13.50	73	1,000 [472]
	RCHL-36A1 (RGGD-06?MCK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.50	13.50	73	1,000 [472]
	RCHL-36A1 (RGGD-07?MCK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.45	13.50	73	1,025 [484]
	RCHL-36A1 (RGJD-06?MCK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.50	13.50	73	1,000 [472]
	RCHL-36A1 (RGJD-07?MCK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.45	13.50	73	1,025 [484]
	RCHL-36A1 (RGLR-07?AMK?)	29,200 [8.6]	20,600 [6.0]	8,600 [2.5]	11.70	14.00	73	1,025 [484]
	RCHL-36A1 (RGLR-07?BRQ?)	29,200 [8.6]	20,550 [6.0]	8,650 [2.5]	12.00	14.00	73	1,000 [472]
	RCHL-36A1 (RGPR-05?BMK?)	29,000 [8.5]	20,450 [6.0]	8,550 [2.5]	11.35	13.50	73	1,000 [472]
	RCHL-36A1 (RGPR-07?AMK?)	29,000 [8.5]	20,400 [6.0]	8,600 [2.5]	11.65	14.00	73	1,000 [472]
	RCHL-36A1 (RGPR-07?BRQ?)	29,200 [8.6]	20,550 [6.0]	8,650 [2.5]	12.00	14.00	73	1,000 [472]
	RCQD-3621A* (RGFD-06?MCK?)	30,400 [8.9]	22,650 [6.6]	7,750 [2.3]	11.70	13.50	73	1,000 [472]
	RCQD-3621A* (RGFD-07?MCK?)	30,600 [9.0]	22,800 [6.7]	7,800 [2.3]	11.90	14.00	73	1,000 [472]
	RCQD-3621A* (RGJD-06?MCK?)	30,600 [9.0]	22,800 [6.7]	7,800 [2.3]	12.00	14.00	73	1,000 [472]
	RCQD-3621A* (RGJD-07?MCK?)	30,600 [9.0]	22,800 [6.7]	7,800 [2.3]	11.95	14.00	73	1,025 [484]
	RCQD-3621A* (RGPR-05?BMK?)	30,600 [9.0]	22,800 [6.7]	7,800 [2.3]	11.90	14.00	73	1,000 [472]
	RCQD-3621A* (RGPR-07?AMK?)	30,800 [9.0]	23,000 [6.7]	7,800 [2.3]	12.20	14.00	73	1,000 [472]
	RCQD-3621A* (RGPR-07?BRQ?)	31,000 [9.1]	23,150 [6.8]	7,850 [2.3]	12.55	14.00	73	1,000 [472]
	17AHSL30AU (RCSL-A*3617B*)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	11.20	13.00	73	950 [448]
	17AHLL36HM (RCSL-H*3617A*)	29,400 [8.6]	21,550 [6.3]	7,850 [2.3]	12.05	14.00	73	1,000 [472]
	17AHSL30HM (RCSL-H*3617A*)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	11.20	13.00	73	950 [448]
	RHKL-HM3617 (RCSL-H*3617A*)	29,400 [8.6]	21,600 [6.3]	7,800 [2.3]	11.90	14.00	73	1,025 [484]
	RHLL-HM3617 (RCSL-H*3617A*)	29,400 [8.6]	21,550 [6.3]	7,850 [2.3]	12.05	14.00	73	1,000 [472]
	RHSL-HM3017 (RCSL-H*3617A*)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	11.20	13.00	73	950 [448]
037CAZ/ DAZ/JAZ	RCFL-H*3617A* ①	37,600 [11.0]	25,750 [7.5]	11,850 [3.5]	11.20	13.00	76	1,050 [495]
	RCFL-A*3617B*	37,600 [11.0]	25,750 [7.5]	11,850 [3.5]	11.20	13.00	76	1,050 [495]
	RCFL-A*3617B* (RGGD-07?MCK?)	37,800 [11.1]	25,900 [7.6]	11,900 [3.5]	11.60	13.50	76	1,025 [484]
	RCFL-A*3621B*	37,600 [11.0]	25,750 [7.5]	11,850 [3.5]	11.20	13.00	76	1,050 [495]
	RCFL-A*3621B* (RGFD-09?ZCM?)	38,500 [11.3]	27,050 [7.9]	11,450 [3.4]	11.70	13.50	76	1,150 [543]
	RCFL-A*3621B* (RGFD-10?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.55	13.50	76	1,175 [554]
	RCFL-A*3621B* (RGGD-07?MCK?)	37,800 [11.1]	25,850 [7.6]	11,950 [3.5]	11.65	13.50	76	1,025 [484]
	RCFL-A*3621B* (RGGD-09?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.70	13.50	76	1,175 [554]
	RCFL-A*3621B* (RGGD-10?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.75	13.50	76	1,175 [554]
	RCFL-A*3621B* (RGLR-07?AMK?)	38,000 [11.1]	26,000 [7.6]	12,000 [3.5]	11.85	13.50	76	1,025 [484]
	RCFL-A*3621B* (RGLR-10?BRM?)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.90	13.50	76	1,200 [566]
	RCFL-A*3621B* (RGPR-07?BRQ?)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.90	13.50	76	1,200 [566]
	RCFL-H*3617A* (RGGD-07?MCK?)	37,800 [11.1]	25,900 [7.6]	11,900 [3.5]	11.60	13.50	76	1,025 [484]
	RCFL-H*3617A* (RGJD-07?MCK?)	37,800 [11.1]	25,900 [7.6]	11,900 [3.5]	11.60	13.50	76	1,025 [484]
	RCFL-H*3617A* (RGLR-07?AMK?)	38,000 [11.1]	26,050 [7.6]	11,950 [3.5]	11.85	13.50	76	1,025 [484]
	RCFL-H*3621A*	37,600 [11.0]	25,750 [7.5]	11,850 [3.5]	11.20	13.00	76	1,050 [495]
	RCFL-H*3621A* (RGFD-09?ZCM?)	38,500 [11.3]	27,050 [7.9]	11,450 [3.4]	11.70	13.50	76	1,150 [543]
	RCFL-H*3621A* (RGFD-10?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.55	13.50	76	1,175 [554]
	RCFL-H*3621A* (RGGD-07?MCK?)	37,800 [11.1]	25,850 [7.6]	11,950 [3.5]	11.65	13.50	76	1,025 [484]
	RCFL-H*3621A* (RGGD-09?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.70	13.50	76	1,175 [554]
	RCFL-H*3621A* (RGGD-10?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.75	13.50	76	1,175 [554]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling: RANL- (continued)

Outdoor Unit RANL-	Model Numbers: Indoor Coil and/or Air Handler	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]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]
Revised 9/12/2008								
037CAZ/ DAZ/JAZ	RCFL-H*3621A* (RGJD-07?MCK?)	37,800 [11.1]	25,850 [7.6]	11,950 [3.5]	11.65	13.50	76	1,025 [484]
	RCFL-H*3621A* (RGJD-09?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.70	13.50	76	1,175 [554]
	RCFL-H*3621A* (RGJD-10?ZCM?)	38,500 [11.3]	27,150 [8.0]	11,350 [3.3]	11.75	13.50	76	1,175 [554]
	RCFL-H*3621A* (RGLR-07?AMK?)	38,000 [11.1]	26,000 [7.6]	12,000 [3.5]	11.85	13.50	76	1,025 [484]
	RCFL-H*3621A* (RGLR-10?BRM?)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.90	13.50	76	1,200 [566]
	RCFL-H*3621A* (RGPR-07?AMK?)	38,500 [11.3]	27,300 [8.0]	11,200 [3.3]	11.45	13.00	76	1,200 [566]
	RCFL-H*3621A* (RGPR-07?BRQ?)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.90	13.50	76	1,200 [566]
	RBHP-21 (RCHL-36A1)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.70	14.00	76	1,225 [578]
	RCHL-36A1 (RGFD-09?ZCM?)	37,600 [11.0]	25,200 [7.4]	12,400 [3.6]	11.50	13.50	76	1,150 [543]
	RCHL-36A1 (RGFD-10?ZCM?)	37,800 [11.1]	25,650 [7.5]	12,150 [3.6]	11.45	13.50	76	1,175 [554]
	RCHL-36A1 (RGGD-06?MCK?)	37,600 [11.0]	25,550 [7.5]	12,050 [3.5]	10.95	13.00	76	1,225 [578]
	RCHL-36A1 (RGGD-09?ZCM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.55	13.50	76	1,175 [554]
	RCHL-36A1 (RGGD-10?ZCM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.55	13.50	76	1,175 [554]
	RCHL-36A1 (RGJD-06?MCK?)	37,600 [11.0]	25,550 [7.5]	12,050 [3.5]	10.95	13.00	76	1,225 [578]
	RCHL-36A1 (RGJD-09?ZCM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.55	13.50	76	1,175 [554]
	RCHL-36A1 (RGJD-10?ZCM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.55	13.50	76	1,175 [554]
	RCHL-36A1 (RGLR-07?AMK?)	37,800 [11.1]	25,650 [7.5]	12,150 [3.6]	11.30	13.50	76	1,200 [566]
	RCHL-36A1 (RGLR-07?BRQ?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.65	14.00	76	1,225 [578]
	RCHL-36A1 (RGLR-10?BRM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.70	14.00	76	1,200 [566]
	RCHL-36A1 (RGPR-07?AMK?)	37,800 [11.1]	25,700 [7.5]	12,100 [3.5]	11.30	13.50	76	1,200 [566]
	RCHL-36A1 (RGPR-07?BRQ?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.70	14.00	76	1,200 [566]
	RCHL-36A1 (RGPR-10?BRM?)	38,000 [11.1]	25,800 [7.6]	12,200 [3.6]	11.55	13.50	76	1,225 [578]
	RCQD-3621A*	38,500 [11.3]	27,450 [8.0]	11,050 [3.2]	11.05	13.00	76	1,200 [566]
	RCQD-3621A* (RGFD-09?ZCM?)	39,500 [11.6]	27,800 [8.1]	11,700 [3.4]	11.95	14.00	76	1,150 [543]
	RCQD-3621A* (RGFD-10?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	11.90	14.00	76	1,175 [554]
	RCQD-3621A* (RGJD-06?MCK?)	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	11.40	13.50	76	1,225 [578]
	RCQD-3621A* (RGJD-09?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.00	14.00	76	1,175 [554]
	RCQD-3621A* (RGJD-10?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.05	14.00	76	1,175 [554]
	RCQD-3621A* (RGPR-05?BMK?)	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	11.35	13.50	76	1,200 [566]
	RCQD-3621A* (RGPR-07?AMK?)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	11.75	13.50	76	1,200 [566]
	RCQD-3621A* (RGPR-07?BRQ?)	40,000 [11.7]	28,500 [8.4]	11,500 [3.4]	12.15	14.00	76	1,200 [566]
	RCQD-3621A* (RGPR-10?BRM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.00	14.00	76	1,225 [578]
	RCQD-3624A*	38,500 [11.3]	27,450 [8.0]	11,050 [3.2]	11.05	13.00	76	1,200 [566]
	RCQD-3624A* (RGFD-09?ZCM?)	39,500 [11.6]	27,800 [8.1]	11,700 [3.4]	11.95	14.00	76	1,150 [543]
	RCQD-3624A* (RGFD-10?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	11.90	14.00	76	1,175 [554]
	RCQD-3624A* (RGFD-12?RCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	11.95	14.00	76	1,225 [578]
	RCQD-3624A* (RGJD-07?MCK?)	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	11.30	13.00	76	1,225 [578]
	RCQD-3624A* (RGJD-09?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.00	14.00	76	1,175 [554]
	RCQD-3624A* (RGJD-10?ZCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.05	14.00	76	1,175 [554]
	RCQD-3624A* (RGJD-12?RCM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.10	14.00	76	1,225 [578]
	RCQD-3624A* (RGPR-05?BMK?)	39,500 [11.6]	28,200 [8.3]	11,300 [3.3]	11.35	13.50	76	1,200 [566]
	RCQD-3624A* (RGPR-07?AMK?)	40,000 [11.7]	28,600 [8.4]	11,400 [3.3]	11.75	13.50	76	1,200 [566]
	RCQD-3624A* (RGPR-07?BRQ?)	40,000 [11.7]	28,500 [8.4]	11,500 [3.4]	12.15	14.00	76	1,200 [566]
	RCQD-3624A* (RGPR-10?BRM?)	40,000 [11.7]	28,550 [8.4]	11,450 [3.4]	12.00	14.00	76	1,225 [578]
	RCQD-3624A* (RGPR-12?ARM?)	40,500 [11.9]	29,300 [8.6]	11,200 [3.3]	12.15	14.00	76	1,250 [590]
	17AHSL36AU (RCSL-A*3617B*)	37,800 [11.1]	26,200 [7.7]	11,600 [3.4]	11.20	13.00	76	1,100 [519]
	17AHLL36HM (RCSL-H*3617A*)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.95	14.00	76	1,200 [566]
	17AHSL36HM (RCSL-H*3617A*)	37,800 [11.1]	26,200 [7.7]	11,600 [3.4]	11.20	13.00	76	1,100 [519]
	RHKL-HM3617 (RCSL-H*3617A*)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.95	14.00	76	1,200 [566]
	RHLL-HM3617 (RCSL-H*3617A*)	39,000 [11.4]	27,700 [8.1]	11,300 [3.3]	11.95	14.00	76	1,200 [566]
	RHSL-HM3617 (RCSL-H*3617A*)	37,800 [11.1]	26,200 [7.7]	11,600 [3.4]	11.20	13.00	76	1,100 [519]
	RHSL-HM3621 (RCSL-H*3621A*)	37,800 [11.1]	26,200 [7.7]	11,600 [3.4]	11.20	13.00	76	1,100 [519]
043CAZ/ DAZ/JAZ	RCSL-H*4821A* ①	41,500 [12.2]	29,700 [8.7]	11,800 [3.5]	10.90	13.00	76	1,400 [661]
	RCFL-A*4821B*	41,500 [12.2]	29,700 [8.7]	11,800 [3.5]	10.90	13.00	76	1,400 [661]
	RCFL-A*4821B* (RGLR-07?BRQ?)	42,000 [12.3]	30,100 [8.8]	11,900 [3.5]	11.40	13.50	76	1,425 [672]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling: RANL- (continued)

Outdoor Unit RANL-	Model Numbers: Indoor Coil and/or Air Handler	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]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]
Revised 9/12/2008								
043CAZ/ DAZ/JAZ	RCFL-A*4821B* (RGLR-10?BRM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.55	13.50	76	1,375 [649]
	RCFL-A*4821B* (RGPR-07?BRQ?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RCFL-A*4824B*	41,500 [12.2]	29,700 [8.7]	11,800 [3.5]	10.90	13.00	76	1,400 [661]
	RCFL-A*4824B* (RGGD-12?RCM?)	42,000 [12.3]	30,400 [8.9]	11,600 [3.4]	11.40	13.50	76	1,450 [684]
	RCFL-A*4824B* (RGLR-07?BRQ?)	42,000 [12.3]	30,100 [8.8]	11,900 [3.5]	11.40	13.50	76	1,425 [672]
	RCFL-A*4824B* (RGLR-10?BRM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.55	13.50	76	1,375 [649]
	RCFL-A*4824B* (RGLR-12?ARM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,425 [672]
	RCFL-A*4824B* (RGPR-07?BRQ?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RCFL-A*4824B* (RGPR-12?ARM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RCFL-H*4821A* (RGLR-07?BRQ?)	42,000 [12.3]	30,100 [8.8]	11,900 [3.5]	11.40	13.50	76	1,425 [672]
	RCFL-H*4821A* (RGLR-10?BRM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.55	13.50	76	1,375 [649]
	RCFL-H*4821A* (RGPR-07?BRQ?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RCFL-H*4824A*	41,500 [12.2]	29,700 [8.7]	11,800 [3.5]	10.90	13.00	76	1,400 [661]
	RCFL-H*4824A* (RGGD-12?RCM?)	42,000 [12.3]	30,400 [8.9]	11,600 [3.4]	11.40	13.50	76	1,450 [684]
	RCFL-H*4824A* (RGJD-12?RCM?)	42,000 [12.3]	30,400 [8.9]	11,600 [3.4]	11.40	13.50	76	1,450 [684]
	RCFL-H*4824A* (RGLR-07?BRQ?)	42,000 [12.3]	30,100 [8.8]	11,900 [3.5]	11.40	13.50	76	1,425 [672]
	RCFL-H*4824A* (RGLR-10?BRM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.55	13.50	76	1,375 [649]
	RCFL-H*4824A* (RGLR-12?ARM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,425 [672]
	RCFL-H*4824A* (RGPR-07?BRQ?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RCFL-H*4824A* (RGPR-12?ARM?)	42,000 [12.3]	30,050 [8.8]	11,950 [3.5]	11.50	13.50	76	1,400 [661]
	RBHP-24 (RCHL-48A1)	41,000 [12.0]	28,100 [8.2]	12,900 [3.8]	11.55	14.00	76	1,400 [661]
	RCHL-48A1 (RGFD-09?ZCM?)	40,000 [11.7]	26,900 [7.9]	13,100 [3.8]	10.90	13.00	76	1,325 [625]
	RCHL-48A1 (RGFD-10?ZCM?)	40,000 [11.7]	26,950 [7.9]	13,050 [3.8]	10.75	13.00	76	1,325 [625]
	RCHL-48A1 (RGFD-12?RCM?)	40,500 [11.9]	28,200 [8.3]	12,300 [3.6]	10.90	13.00	76	1,475 [696]
	RCHL-48A1 (RGGD-09?ZCM?)	40,500 [11.9]	27,800 [8.1]	12,700 [3.7]	10.90	13.00	76	1,425 [672]
	RCHL-48A1 (RGGD-10?ZCM?)	40,500 [11.9]	27,800 [8.1]	12,700 [3.7]	10.90	13.00	76	1,425 [672]
	RCHL-48A1 (RGGD-12?RCM?)	40,500 [11.9]	28,000 [8.2]	12,500 [3.7]	11.10	13.50	76	1,450 [684]
	RCHL-48A1 (RGJD-09?ZCM?)	40,500 [11.9]	27,800 [8.1]	12,700 [3.7]	10.90	13.00	76	1,425 [672]
	RCHL-48A1 (RGJD-10?ZCM?)	40,500 [11.9]	27,800 [8.1]	12,700 [3.7]	10.90	13.00	76	1,425 [672]
	RCHL-48A1 (RGJD-12?RCM?)	40,500 [11.9]	28,000 [8.2]	12,500 [3.7]	11.10	13.50	76	1,450 [684]
	RCHL-48A1 (RGLR-07?BRQ?)	40,500 [11.9]	27,700 [8.1]	12,800 [3.8]	11.15	13.00	76	1,425 [672]
	RCHL-48A1 (RGLR-10?BRM?)	40,500 [11.9]	27,700 [8.1]	12,800 [3.8]	11.25	13.50	76	1,375 [649]
	RCHL-48A1 (RGLR-12?ARM?)	40,500 [11.9]	27,700 [8.1]	12,800 [3.8]	11.20	13.50	76	1,425 [672]
	RCHL-48A1 (RGPR-07?BRQ?)	40,500 [11.9]	27,700 [8.1]	12,800 [3.8]	11.20	13.50	76	1,400 [661]
	RCHL-48A1 (RGPR-10?BRM?)	40,500 [11.9]	27,750 [8.1]	12,750 [3.7]	11.00	13.00	76	1,425 [672]
	RCHL-48A1 (RGPR-12?ARM?)	40,500 [11.9]	27,700 [8.1]	12,800 [3.8]	11.20	13.50	76	1,400 [661]
	RCQD-4821A* (RGFD-09?ZCM?)	42,000 [12.3]	29,800 [8.7]	12,200 [3.6]	11.30	13.00	76	1,325 [625]
	RCQD-4821A* (RGFD-10?ZCM?)	42,000 [12.3]	29,850 [8.7]	12,150 [3.6]	11.15	13.00	76	1,325 [625]
	RCQD-4821A* (RGJD-09?ZCM?)	42,500 [12.5]	30,750 [9.0]	11,750 [3.4]	11.25	13.00	76	1,425 [672]
	RCQD-4821A* (RGJD-10?ZCM?)	42,500 [12.5]	30,750 [9.0]	11,750 [3.4]	11.30	13.00	76	1,425 [672]
	RCQD-4821A* (RGJD-12?RCM?)	43,000 [12.6]	31,500 [9.2]	11,500 [3.4]	11.50	13.50	76	1,450 [684]
	RCQD-4821A* (RGPR-07?BRQ?)	42,500 [12.5]	30,650 [9.0]	11,850 [3.5]	11.60	13.50	76	1,400 [661]
	RCQD-4821A* (RGPR-10?BRM?)	42,500 [12.5]	30,700 [9.0]	11,800 [3.5]	11.40	13.50	76	1,425 [672]
	RCQD-4824A* (RGFD-09?ZCM?)	42,000 [12.3]	29,800 [8.7]	12,200 [3.6]	11.40	13.50	76	1,325 [625]
	RCQD-4824A* (RGFD-10?ZCM?)	42,000 [12.3]	29,800 [8.7]	12,200 [3.6]	11.25	13.00	76	1,325 [625]
	RCQD-4824A* (RGFD-12?RCM?)	43,000 [12.6]	31,650 [9.3]	11,350 [3.3]	11.35	13.50	76	1,475 [696]
	RCQD-4824A* (RGJD-09?ZCM?)	42,500 [12.5]	30,700 [9.0]	11,800 [3.5]	11.35	13.50	76	1,425 [672]
	RCQD-4824A* (RGJD-10?ZCM?)	42,500 [12.5]	30,700 [9.0]	11,800 [3.5]	11.35	13.50	76	1,425 [672]
	RCQD-4824A* (RGJD-12?RCM?)	43,000 [12.6]	31,450 [9.2]	11,550 [3.4]	11.60	13.50	76	1,450 [684]
	RCQD-4824A* (RGPR-07?BRQ?)	43,000 [12.6]	31,150 [9.1]	11,850 [3.5]	11.70	13.50	76	1,400 [661]
	RCQD-4824A* (RGPR-10?BRM?)	42,500 [12.5]	30,700 [9.0]	11,800 [3.5]	11.50	13.50	76	1,425 [672]
	RCQD-4824A* (RGPR-12?ARM?)	43,000 [12.6]	31,150 [9.1]	11,850 [3.5]	11.70	13.50	76	1,400 [661]
	21AHSL42AU (RCSL-H*4821A*)	41,000 [12.0]	28,950 [8.5]	12,050 [3.5]	10.85	13.00	76	1,350 [637]
	21AHSL42HM (RCSL-H*4821A*)	41,000 [12.0]	28,950 [8.5]	12,050 [3.5]	10.85	13.00	76	1,350 [637]
	RHKL-HM4821 (RCSL-H*4821A*)	42,000 [12.3]	30,000 [8.8]	12,000 [3.5]	11.70	13.50	76	1,400 [661]

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

[ ] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling: RANL- (continued)

Outdoor Unit RANL-	Model Numbers: Indoor Coil and/or Air Handler	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]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Sound Rating dB	Indoor CFM [L/s]
Revised 9/12/2008								
043CAZ/ DAZ/JAZ	RHLL-HM4821 (RCSL-H*4821A*)	42,000 [12.3]	30,000 [8.8]	12,000 [3.5]	11.75	14.00	76	1,400 [661]
	RHSL-HM4221 (RCSL-H*4821A*)	41,000 [12.0]	28,950 [8.5]	12,050 [3.5]	10.85	13.00	76	1,350 [637]
049CAZ/ DAZ/JAZ/YAZ	RCFL-H*4821A* ①	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.05	13.00	76	1,550 [731]
	RCFL-A*4821B*	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.05	13.00	76	1,550 [731]
	RCFL-A*4824B*	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.05	13.00	76	1,550 [731]
	RCFL-H*4824A*	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.05	13.00	76	1,550 [731]
	RBHP-24 (RCHL-48A1)	45,500 [13.3]	31,300 [9.2]	14,200 [4.2]	11.40	13.00	76	1,600 [755]
	RCHL-48A1 (RGLR-07?BRQ?)	45,000 [13.2]	30,950 [9.1]	14,050 [4.1]	10.95	13.00	76	1,625 [767]
	RCHL-48A1 (RGLR-10?BRM?)	45,000 [13.2]	30,950 [9.1]	14,050 [4.1]	11.00	13.00	76	1,575 [743]
	RCHL-48A1 (RGLR-12?ARM?)	45,000 [13.2]	30,900 [9.1]	14,100 [4.1]	11.10	13.00	76	1,600 [755]
	RCHL-48A1 (RGPR-07?BRQ?)	45,000 [13.2]	30,950 [9.1]	14,050 [4.1]	11.00	13.00	76	1,625 [767]
	RCHL-48A1 (RGPR-12?ARM?)	45,000 [13.2]	30,900 [9.1]	14,100 [4.1]	11.05	13.00	76	1,575 [743]
	21AHLL48HM (RCSL-H*4821A*)	47,000 [13.8]	33,950 [9.9]	13,050 [3.8]	11.65	13.50	76	1,600 [755]
	21AHSL48AU (RCSL-H*4821A*)	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.15	13.00	76	1,525 [720]
	21AHSL48HM (RCSL-H*4821A*)	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.15	13.00	76	1,525 [720]
	RHKL-HM4821 (RCSL-H*4821A*)	47,000 [13.8]	33,650 [9.9]	13,350 [3.9]	11.55	13.50	76	1,575 [743]
	RHLL-HM4821 (RCSL-H*4821A*)	47,000 [13.8]	33,950 [9.9]	13,050 [3.8]	11.65	13.50	76	1,600 [755]
	RHSL-HM4821 (RCSL-H*4821A*)	46,500 [13.6]	33,250 [9.7]	13,250 [3.9]	11.15	13.00	76	1,525 [720]
	24AHLL48HM (RCSL-H*4824A*)	48,500 [14.2]	36,450 [10.7]	12,050 [3.5]	12.15	14.00	76	1,625 [767]
	24AHSL48AU (RCSL-H*4824A*)	47,500 [13.9]	35,000 [10.3]	12,500 [3.7]	11.30	13.00	76	1,525 [720]
	24AHSL48HM (RCSL-H*4824A*)	47,500 [13.9]	35,000 [10.3]	12,500 [3.7]	11.30	13.00	76	1,525 [720]
	RHKL-HM4824 (RCSL-H*4824A*)	48,500 [14.2]	36,500 [10.7]	12,000 [3.5]	12.10	14.00	76	1,625 [767]
	RHLL-HM4824 (RCSL-H*4824A*)	48,500 [14.2]	36,450 [10.7]	12,050 [3.5]	12.15	14.00	76	1,625 [767]
	RHSL-HM4824 (RCSL-H*4824A*)	47,500 [13.9]	35,000 [10.3]	12,500 [3.7]	11.30	13.00	76	1,525 [720]
060CAZ/ DAZ/JAZ/YAZ	RCFL-A*6024B*	61,000 [17.9]	42,900 [12.6]	18,100 [5.3]	11.10	13.00	76	1,800 [849]
	RCFL-H*6024A*	61,000 [17.9]	42,900 [12.6]	18,100 [5.3]	11.10	13.00	76	1,800 [849]
	RCHL-60A1	56,000 [16.4]	37,600 [11.0]	18,400 [5.4]	10.20	12.00	76	2,000 [944]
	RBHC-24 (RCHL-60A1)	55,000 [16.1]	35,900 [10.5]	19,100 [5.6]	10.10	12.00	76	1,800 [849]
	RBHP-25 (RCHL-60A1)	55,500 [16.3]	36,600 [10.7]	18,900 [5.5]	10.75	13.00	76	1,800 [849]
	RCQD-6024A*	58,500 [17.1]	40,250 [11.8]	18,250 [5.3]	10.95	13.00	76	1,800 [849]
	24AHLL60HM (RCSL-H*6024A*)	62,000 [18.2]	43,500 [12.7]	18,500 [5.4]	11.70	13.50	76	1,800 [849]
	RHKL-HM6024 (RCSL-H*6024A*)	62,000 [18.2]	43,450 [12.7]	18,550 [5.4]	11.70	13.50	76	1,800 [849]
	RHLL-HM6024 (RCSL-H*6024A*)	62,000 [18.2]	43,500 [12.7]	18,500 [5.4]	11.70	13.50	76	1,800 [849]
	RHSL-HM6024 (RCSL-H*6024A*)	60,500 [17.7]	42,450 [12.4]	18,050 [5.3]	10.75	12.00	76	1,750 [826]

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

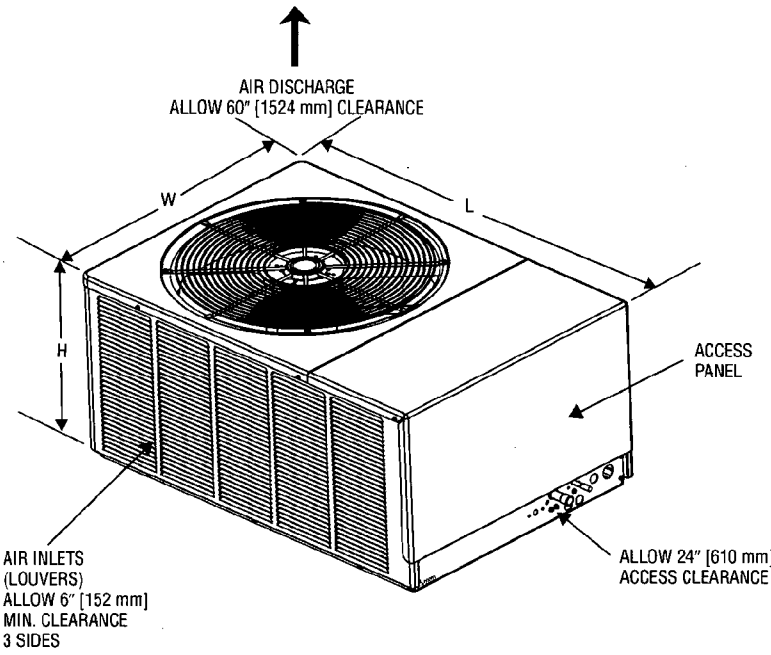
[ ] Designates Metric Conversions

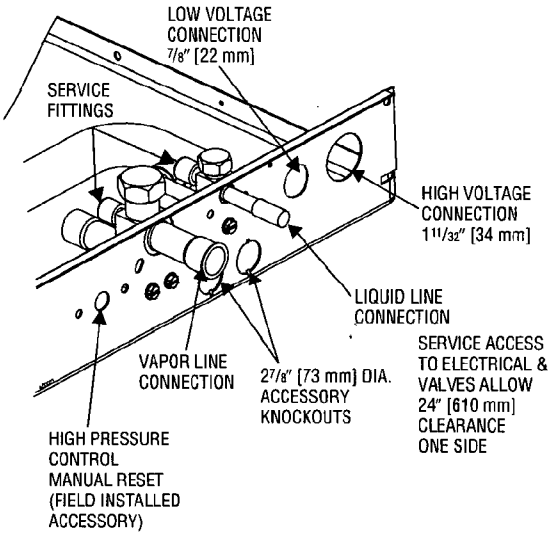
Electrical and Physical Data: RANL-

Model No. RANL-	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Min. Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Min. Amperes	Max. Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
018JAZ	1-60-208/230	9/9	48	0.6	12/12	15/15	20/20	9.07 [0.84]	1	1775 [838]	70 [1984]	130 [59.0]	140 [63.5]
024JAZ	1-60-208/230	12.8/12.8	58.3	0.6	17/17	20/20	25/25	11.00 [1.02]	1	1920 [906]	72 [2041]	140 [63.5]	150 [68.0]
031JAZ	1-60-208/230	14.1/14.1	73	0.6	19/19	25/25	30/30	11.06 [1.03]	1	1920 [906]	83 [2353]	143 [64.9]	153 [69.4]
037CAZ	3-60-208/230	13.2/13.2	88	1.2	18/18	25/25	30/30	16.10 [1.50]	1	3200 [1510]	106 [3005]	193 [87.5]	203 [92.1]
037DAZ	3-60-460	6	44	0.6	9	15	15	16.10 [1.50]	1	3200 [1510]	106 [3005]	193 [87.5]	203 [92.1]
037JAZ	1-60-208/230	17.9/17.9	112	1.2	24/24	30/30	40/40	16.10 [1.50]	1	3200 [1510]	106 [3005]	193 [87.5]	203 [92.1]
043CAZ	3-60-208/230	13.6/13.6	83.1	1.2	19/19	25/25	30/30	16.10 [1.50]	1	3200 [1510]	115 [3260]	202 [91.6]	212 [96.2]
043DAZ	3-60-460	6.1	41	0.6	9	15	15	16.10 [1.50]	1	3200 [1510]	115 [3260]	202 [91.6]	212 [96.2]
043JAZ	1-60-208/230	19.9/19.9	109	1.2	27/27	35/35	45/45	16.10 [1.50]	1	3200 [1510]	115 [3260]	202 [91.6]	212 [96.2]
049CAZ	3-60-208/230	13.7/13.7	83.1	1.2	19/19	25/25	30/30	20.13 [1.87]	1	3500 [1652]	132 [3742]	214 [97.1]	224 [101.6]
049DAZ	3-60-460	6.2	41	0.6	9	15	15	23.13 [2.15]	1	3500 [1652]	132 [3742]	214 [97.1]	224 [101.6]
049JAZ	1-60-208/230	21.8/21.8	117	1.2	29/29	35/35	50/50	20.13 [1.87]	1	3500 [1652]	132 [3742]	214 [97.1]	224 [101.6]
049YAZ	3-60-575	4.8	33	0.5	7	15	15	20.13 [1.87]	1	3500 [1652]	132 [3742]	214 [97.1]	224 [101.6]
060CAZ	3-60-208/230	15.6/15.6	110	1.2	21/21	25/25	35/35	23.01 [2.14]	1	3500 [1652]	180 [5103]	250 [113.4]	260 [117.9]
060DAZ	3-60-460	7.8	52	0.6	11	15	15	23.01 [2.14]	1	3500 [1652]	180 [5103]	250 [113.4]	260 [117.9]
060JAZ	1-60-208/230	26.3/26.3	134	1.2	35/35	45/45	60/60	23.01 [2.14]	1	3500 [1652]	180 [5103]	250 [113.4]	260 [117.9]
060YAZ	3-60-575	5.8	38.9	0.5	8	15	15	23.01 [2.14]	1	3500 [1652]	180 [5103]	250 [113.4]	260 [117.9]

[ ] Designates Metric Conversions

Unit Dimensions





Model Number RANL-	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
018	19 [483]	35 1/2 [902]	23 3/4 [603]
024/031	19 [483]	40 1/2 [1029]	27 5/8 [702]
037/043	23 [584]	44 3/8 [1127]	31 1/2 [800]
049	29 [737]	44 3/8 [1127]	31 1/2 [800]
060	33 [838]	44 3/8 [1127]	31 1/2 [800]

[ ] Designates Metric Conversions

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

GENERAL TERMS OF LIMITED WARRANTY

Rheem 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.

Condenser Coil leaks caused by
factory defects ..... Five (5) Years
Compressor—
JAZ ..... Ten (10) Years
CAZ, DAZ, YAZ ..... Five (5) Years
*All Other Parts
JAZ ..... Five (5) Years
CAZ, DAZ, YAZ ..... One (1) Year

***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

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

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

Suction Line Length/Size versus Capacity Multiplier (R-410A)								
Unit Size		1½ Ton	2 Ton	2½ Ton	3 Ton	3½ Ton	4 Ton	5 Ton
Suction Line Connection Size		¾" [19.05 mm] I.D.			⅞" [22.23 mm] I.D.			
Suction Line Run—Feet [m]		⅝" [15.88 mm] O.D. Opt. ¾" [19.05 mm] O.D. Std.*		⅝" [15.88 mm] O.D. Opt. ¾" [19.05 mm] O.D. Std.* ⅞" [22.23 mm] O.D. Opt.	¾" [19.05 mm] O.D. Opt. ⅞" [22.23 mm] O.D. Std.*		⅞" [22.23 mm] O.D. Opt. 1⅛" [28.58 mm] O.D. Std.*	
25' [7.62]	Optional	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Optional	N/A	N/A	1.00	N/A	N/A	N/A	N/A
50' [15.24]	Optional	.98	.98	.96	.98	.99	.99	.99
	Standard	.99	.99	.98	.99	.99	.99	.99
	Optional	N/A	N/A	.99	N/A	N/A	N/A	N/A
100' [30.48]	Optional	.95	.95	.94	.96	.96	.96	.97
	Standard	.96	.96	.96	.97	.98	.98	.98
	Optional	N/A	N/A	.97	N/A	N/A	N/A	N/A
150' [45.72]	Optional	.92	.92	.91	.94	.94	.95	.94
	Standard	.93	.94	.93	.95	.96	.96	.97
	Optional	N/A	N/A	.95	N/A	N/A	N/A	N/A

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

[ ] 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.

Rheem Heating, Cooling and Water Heating

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

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

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FORM NO. A11-184 REV. 8
Supersedes Form No. A11-184 Rev. 7

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OR PLUMBER'S
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New Jersey Office of the Attorney General
Division of Consumer Affairs

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Division of Consumer Affairs

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Winch Plumbing, Heating & Mechanical, Inc.
Michael Winch
484 Shrewsbury Avenue
Tinton Falls NJ 07701

FOR PRACTICE IN NEW JERSEY AS A(N): Home Improvement Contractor

01/04/2010 TO 12/31/2010
VALID

13VH02878000
LICENSE/REGISTRATION/CERTIFICATION #

Signature of Licensee/Registrant/Certificate Holder

DIRECTOR

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Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
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HAS REGISTERED
Winch Plumbing, Heating & Mechanical, Inc.
Home Improvement Contractor

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01/04/2010 TO 12/31/2010
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SIGNATURE
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Newark, NJ 07101

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This is to certify that

Warren J Winch

Certificate Number

2185379

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EPA Approved
September 30, 1993

Technician TYPE UNIVERSAL

as required by 40 CFR 82 Subpart F.

5/23/2000
Date

ARI AIR-CONDITIONING & REFRIGERATION INSTITUTE

AC&R Safety Coalition

Date 12/14/2007 **Certificate No.** 04574053037

WARREN WINCH

Has successfully completed training and is certified in the safe handling of R-410A.

R-410A is also known as "AZ-20", "Suva 410A", and "Puron".
(The above are trademark names of Honeywell, Dupont, and Carrier respectively.)

Robert Lawson

For the AC&R Safety Coalition