

BLOCK 99 LOT 1 QUALIFICATION CODE _____ ADDRESS (SITE) 61 NEJECHO DR PERMIT NO. 18-3002



CONSTRUCTION PERMIT APPLICATION

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

C-18-003904

I. IDENTIFICATION

1. Proposed Work Site at: 61 NEJECHO DR BRICK NJ 08723
2. Name of Owner in Fee: DANIEL & DAVID FORNICHIELLO
Tel. [REDACTED] e-mail _____
Address 61 NEJECHO DR BRICK NJ 08723
street municipality zip code
3. Ownership in Fee: Public _____ Private _____
4. Principal Contractor: ANTHONY NICHOLAS Tel. (732) 840-3500
Address HEATING COOLING & ADDONANCE INC e-mail _____
541 HEDDIE LN BRICK NJ 08724
License No. OR, if new home, Builder Reg. No. 19H00098900 Exp. Date 6/30/20
Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
Federal Emp. ID No. 47-4671248 FAX: () _____
5. Architect or Engineer _____ Contact _____
Address _____ e-mail _____
Tel. () _____ FAX: () _____
6. Responsible Person in Charge once Work has Begun ANTHONY NICHOLAS
Tel. (732) 840-3500 FAX: () _____

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$ <u>50-</u>	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices/Mechanical	\$ <u>25-</u>	
6. Subtotal		
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee	\$ <u>6-</u>	
10. Subtotal	\$	
11. Cert. of Occupancy		
12. Other		
13. TOTAL	\$ <u>261-</u>	

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

IIb. SUBCODES

(Check all that apply)

- ☐ Building
☐ Electrical
☐ Plumbing
☐ Fire Protection
☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
	<u>CW</u>	<u>10/1/18</u>						

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 | 4. ☐ Refrigeration Systems | 8. ☐ Smoke Control Systems in Open Wells | 12. ☐ Fire Alarm |
| 2. ☐ High Pressure Boilers | 5. ☐ Cross-Connections/Backflow Preventers | 9. ☐ Underground Storage Tanks | |
| 3. ☐ Pressure Vessels | 6. ☐ Hazardous Uses/Places of Assembly | 10. ☐ Swimming Pools, Spas and Hot Tubs | |
| | 7. ☐ Sprinklers/Standpipes | 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(f)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.

☒ Check if contractor.

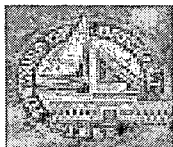
Agent Name ANTHONY MECHANICAL HEATING COOLING & APPLIANCE INC.

Address 541 HERBERT LN BRICK NJ 08724

Telephone (732) 840-3500

Signature [Signature]

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



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 12/13/2018
Control Number C-18-003904
Permit Number 18-3002
Permit Issue Date 10/25/2018
Certificate Number 18-3002

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 61 NEJECHO DR. Brick Township, NJ Block: 99 Lot: 1 Qual:
Owner in Fee: FORMICHELLA, PAMELA & DAVID
Owner Address: PO BOX AF MANTOLOKING NJ 08738
Telephone: [REDACTED]
Contractor ANTHONY MECHANICAL
Address 541 HERBERT LANE BRICK NJ 08724
Telephone: (732) 840-3500 Fax:
License Number or Builders Registration Number: Federal Emp. Number: 47-4671248

Home Warranty Number:

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification:

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: REPLACEMENT HOT AIR FURNACE

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:



ELECTRICAL SUBCODE TECHNICAL SECTION



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

Block 99 Lot 1 Qualification Code _____
Work Site Location 61 NEECHO DR BRICK NJ 08723

Owner in Charge DAVID & DAVID BORRICHIELLA
T [REDACTED] e-mail _____

Address 61 NEECHO DR BRICK NJ 08723
street municipality zip code

Contractor: ANTHONY NEMANICKA Tel. 732 846-3500

Address HEATING COONN L APPLANCE INC e-mail _____
541 HEBBET LN BRICK NJ 08724

Contractor License No. 19400098900 Exp. Date 6/30/20

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

Federal Emp. ID No. 47-4671248 FAX: _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

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

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 250-

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type	Failure	Failure	Approval Initial
[] No Plans Required					
[] Partial Under-slab Utilities Approved		Rough			
Date: _____ Approved by: _____		Barrier-Free			
[] Electric Plans Approved		Trench			
Date: _____ Approved by: _____		Temp. Serv.			
Joint Plan Review Required:		Constr. Serv.			
[] Bldg. [] Plumb. [] Fire. [] Elev.		TCO			
SUBCODE APPROVAL for PERMIT		Other			
Date: _____ Approved by: _____		Service			
SUBCODE APPROVAL for CERTIFICATE		Final			
[] CO [] CCO [] CA		Barrier-Free			
Date: <u>12/13/18</u>		Temp. Cut-in-Card Date Issued			
Approved by: <u>[Signature]</u>		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.

Applicant sign/Contractor sign and seal here: [Signature]

Print name here: ANTHONY NEMANICKA

[] Licensed Elec. Contractor [] Certifd Landscape Irrigation Contr'r [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: RECONNECT NEW FURNACE TO EXISTING ELECTRICAL DISCONNECT & CONTROL WIRE

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	_____
_____	_____	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	_____

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



CONSTRUCTION PERMIT

Date Issued 10/17/19
Control # C-18-003904
Permit # 18-2162

IDENTIFICATION Block: 99 Lot: 1 Qualifier _____
Work Site Location: 61 NEJECHO DR. Brick Township, NJ Contractor ANTHONY MECHANICAL
Owner in Fee FORMICHELLA, PAMELA & DAVID Address 541 HERBERT LANE BRICK NJ 08724
PO BOX AF MANTOLOKING NJ 08738 Telephone: (732) 840-3500
Telephone: _____ Lic. No. or Bldrs. Reg. No. 19HC00098900 19HC00098900
Federal Employee No. 47-4671248

Is hereby granted permission to perform the following work:

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

DESCRIPTION OF WORK:

REPLACEMENT HOT AIR FURNACE

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

Estimated Cost of Work \$3,500

Daniel F. Neuman
Construction Official

10/17/19
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building _____ \$0
Electrical _____ \$150
Plumbing _____ \$0
Fire Protection _____ \$0
Elevator Devices _____ \$0
Other _____ \$125.00
DCA Training Fee _____ \$6
CO Fee _____
Other _____ \$0
Total _____ \$281
Check No. 1192
Cash _____ \$0
Credit _____ \$0
Collected By M. Tegen

REQUIRED INSPECTIONS

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

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below.

Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

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

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

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

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

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

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

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



MECHANICAL INSPECTION TECHNICAL SECTION



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

Block 99 Lot 1 Qualification Code _____
Work Site Location 61 NEJEHO DR BRICK NJ 08723

Owner in Fee: DANIELA & DAVID FERNICHELLA

Te _____ e-mail _____

Address 61 NEJEHO DR BRICK NJ 08723

Contractor: ANTHONY MECHANICAL HEATING Tel. (732) 840-3500

Address COOKING & APPLIANCE INC. e-mail _____

541 HERBERT LN BRICK NJ 08724

Contractor License No. 19H00098900 Exp. Date 6/30/20

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

Federal Emp. ID No. 47-4671248 FAX: _____

B. MECHANICAL CHARACTERISTICS

Use Group Present: R-3, R-4, or R-5 (circle one) Proposed: R-3, R-4, or R-5 (circle one)

Heating System work: ☐ New OR ☐ Modification to Existing OR ☐ Conversion OR ☒ Replacement

Type: ☐ Hydronic ☐ Hot Air

Fuel Type: ☒ Gas ☐ Oil ☐ Electric ☐ Solar ☐ Other _____

Estimated Cost of Mechanical Work \$ 3250 (TOTAL CONTRACT 3500)

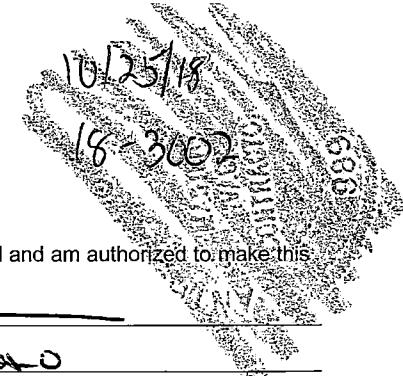
JOB SUMMARY (Office Use Only)					
PLAN REVIEW		INSPECTIONS		DATES	
☐ No Plans Required		Type:	Failure	Failure	Approval
☐ Mechanical Plans Approved		Gas Piping			
Date: _____ Approved by: _____		Appliance			
Joint Plan Review Required:		Chimney/Vent			
☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Fire.		Oil Piping			
☐ Elev.		Oil Tank			
SUBCODE APPROVAL for PERMIT		LPG Tank			
Date: _____		Hydronic Piping			
Approved by: _____		Fireplace			
SUBCODE APPROVAL for CERTIFICATE		Chimney Cert.			
☐ CA ☐ CCO		Other <u>PM</u>			
Date: <u>12-13-18</u>					
Approved by: <u>[Signature]</u>					

Date Received

Control #

Date Issued

Permit #



C. CERTIFICATION IN LIEU OF OATH

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

Sign here: _____

Print name here: ANTHONY MECHANICAL

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

REPLACE EXISTING 2ND FLOOR FURNACE & COOKING COIL. ADAPT TO EXISTING DUCTWORK. ADAPT TO EXISTING CONDENSATE DRAINS

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
_____	Water Heater	\$ _____
_____	Fuel Oil Piping Connections	_____
_____	Gas Piping Connections	_____
_____	Steam Boiler	_____
_____	Hot Water Boiler	_____
1	Hot Air Furnace	_____
_____	Oil Tank	_____
_____	LPG Tank	_____
_____	Fireplace	_____
1	Generator	_____
1	COOKING COIL	_____
Administrative Surcharge \$		_____
Minimum Fee \$		_____
State Permit Surcharge Fee \$		_____
TOTAL FEE \$		_____



CHIMNEY VERIFICATION FOR REPLACEMENT OF FUEL-FIRED EQUIPMENT

BLOCK 99 LOT 1 QUALIFICATION CODE _____ PERMIT # _____
WORK SITE ADDRESS 61 NEJEHO DR BRICK NJ 08723
Owner in Fee PAULA FORMICHELLA
Verifying Individual ANTHONY MURPHY Company ANTHONY MECHANICAL HEATING & AIR CONDITIONING & APPLIANCE INC.
Address 541 HERBERT LN BRICK NJ 08724
City _____ State _____ Zip Code _____
Tel. _____ Fax: (____) _____

Check the Appropriate Box(es):

Type of Replacement:

- ☐ Oil to Gas Conversion
☐ Gas to Oil Conversion
☒ Gas Appliance Replacement
☐ Oil to Oil Replacement
☐ Other _____

Existing Vent/Chimney:

- ☐ "B" Label Vent
☐ "L" Label Vent
☐ Flexible Liner
☐ Power Vent/Exhauster

Size 2" PVC

- ☐ Chimney-Interior
☐ Chimney-Exterior
☐ Masonry Chimney-Tile Lined
☐ Masonry Chimney-Unlined
☐ Other _____

Type	Fuel Type	BTU Rating (input/hour)
Appliance 1: <u>WOOD BURNER</u>	Oil ☒ Gas ☐ Other: _____	<u>APPROX 70K</u>
Appliance 2: _____	Oil / Gas / Other: _____	_____
Appliance 3: _____	Oil / Gas / Other: _____	_____

CHIMNEY LINER

If a chimney liner is being installed, all documentation on the liner must accompany the Permit application.

Manufacturer: _____ Model: _____ UL Listing: _____
Material of Liner: Stainless Steel _____ Aluminum _____
Size of Appliance Vent: _____ Size of Liner: _____ Height of Chimney: _____
Length of Connector: _____ Vent Connector Rise: _____
How does the appliance vent? ☐ Natural Draft ☐ Fan-assisted ☐ Other: _____

PLEASE SIGN ONE OF THE FOLLOWING VERIFICATION STATEMENTS

For Oil or Coal to Gas Conversions:

I have verified that the chimney/vent is in good repair and clear of obstruction and is substantially clean of residue from its previous use serving an oil or coal appliance. I have verified that the chimney/vent is appropriately lined and sized for the appliance(s) being installed.

Signature _____

Date _____

Oil to Oil or Gas to Gas Replacements or New/Additional Appliances:

I have verified that the existing chimney/vent is in good repair and clear of obstruction. I have verified that the existing chimney/vent is appropriately lined and sized for the appliance(s) being installed and/or remaining.

Signature _____

Date _____

Direct Vent Appliance:

I hereby verify that the appliance(s) being installed is a direct vent appliance. I further verify that the existing chimney/vent is appropriately lined and sized for any remaining appliances.

Signature _____

Date 10-11-18

Verification Not Submitted:

I choose not to submit verification. I understand that I will be required to be present for the inspection to remove and reinstall the chimney vent connector.

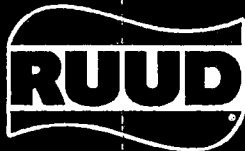
Signature _____

Date _____

FOR MINOR AND EMERGENCY WORK, THIS FORM MUST BE PROVIDED WITH YOUR PERMIT APPLICATION. FOR ALL OTHER WORK, THIS FORM MUST BE PRESENTED TO THE CODE OFFICIAL PRIOR TO FINAL INSPECTION.

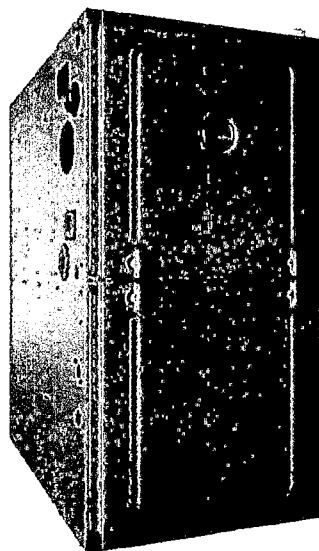
All applicable information requested on this form must be supplied.

This form may not be submitted by a homeowner in lieu of the required inspection.



Gas Furnaces
R92P Series

Ruud Achiever® Series Multi-position Gas Furnaces



R92P- Series

92% A.F.U.E.†

Input Rates from 40 to 115 kBTU
[11.72 to 33.71 kW]



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

- 92% residential gas furnace CSA certified
- 4 way multi-poise design
- PlusOne™ Diagnostics 7-Segment LED all units
- PlusOne™ Ignition System – DSI for reliability and longevity
- PlusOne™ Water Management System with patented Blocked Drain Sensor
- Heat exchanger is removable for improved serviceability. Aluminized steel primary and stainless steel secondary construction provide maximum corrosion resistance and thermal fatigue reliability.
- Low profile “34 inch” cabinet ideal for space constrained installations.

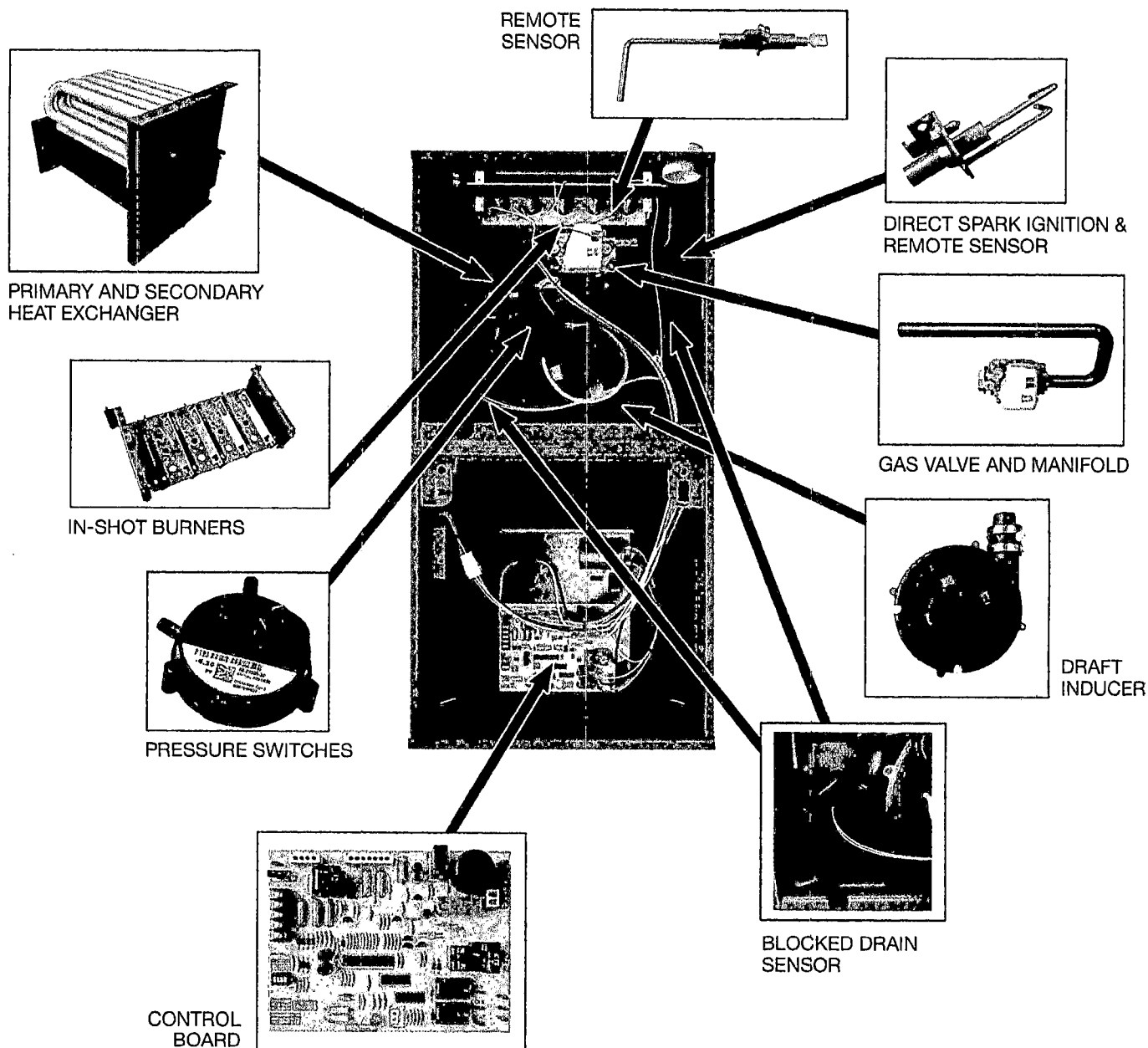
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Replaceable Collector box
- Hemmed edges on cabinet and doors
- Quarter turn fasteners for tool less access
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap

RELY ON RUUD.™

FORM NO. G22-536 REV. 6

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Limited Warranty	9



STANDARD EQUIPMENT

Completely assembled and wired; blocked drain sensor, 7 segment LED and marked hoses; heat exchanger; primary: aluminized steel, secondary: 29-4C stainless steel; induced draft; pressure switches; redundant main gas control; blower compartment door safety switch; solid state time on/off blower control; limit controls; manual shut-off valve; 100% safety lock out; cool fan off delay; field selectable heat fan off delay; one hour automatic retry; power and self-test diagnostics; flame sense current diagnostics; electronic air cleaner connections; twinning (built-in) features; humidifier connections; humidifier on/off delay; low speed continuous fan option; single speed option for heating and cooling applications; transformer; direct drive, multi-speed blower motor. (Please note: a thermostat is not included as standard equipment.)

OPTIONAL EQUIPMENT

Side and bottom filter racks; return air cabinet for all sizes.

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

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

For L.P. (propane) operation, refer to Conversion Kit Index Form.

WARNING

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

Physical Data and Specifications—Upflow Models

U.S. and Canadian Models

MODEL NUMBERS	R92PA0401317MSA	R92PA0601317MSA	R92PA0701317MSA	R92PA0851521MSA	R92PA1001521MSA	R92PA1151524MSA
HIGH FIRE INPUT BTU/HR [kW] ①	42,000 [12.31]	56,000 [16.41]	70,000 [20.50]	84,000 [24.61]	98,000 [28.72]	112,000 [32.82]
HEATING CAPACITY BTU/HR [kW]	39,000 [11.43]	52,000 [15.24]	65,000 [19.05]	78,000 [22.86]	91,000 [26.67]	104,000 [30.48]
HIGH ALTITUDE OUTPUT 10% DERATE [kW] ②	35,154 [10.30]	46,872 [13.74]	58,590 [17.17]	70,308 [20.60]	82,026 [24.03]	93,744 [27.47]
BLOWER (D x W) [mm]	11 x 7 [279 x 178]	11 x 8 [279 x 203]	11 x 8 [279 x 203]	11 x 10 [279 x 254]	11 x 10 [279 x 254]	11 x 11 [279 x 279]
MOTOR H.P. [W]— TYPE	1/4 [187]-4-PSC	1/2 [373]-4-PSC	1/2 [373]-4-PSC	3/4 [559]-4-PSC	3/4 [559]-4-PSC	3/4 [559]-4-PSC
MIN. CIRCUIT AMPACITY	8	11	11	13	13	13
MIN. OVERLOAD PROTECTION DEVICE	15	15	15	15	15	15
MAX. OVERLOAD PROTECTION DEVICE	15	15	15	20	20	20
HEATING SPEED	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH
COOLING SPEED	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
MINIMUM EXT. STATIC PRESSURE (IN. W.C.) [kPa]	.18 [.045]	.20 [.050]	.23 [.057]	.28 [.070]	.28 [.070]	.28 [.070]
MAXIMUM EXT. STATIC PRESSURE (IN. W.C.) [kPa]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]
HEATING CFM @ .2" [.049 kPa] W.C. E.S.P. [L/s]	1049 [494]	1139 [537]	1211 [571]	1704 [804]	1748 [825]	1750 [825]
COOLING CFM @ .5" [.124 kPa] W.C. E.S.P. [L/s]	1121 [528]	1232 [581]	1318 [622]	1742 [822]	1782 [841]	1934 [912]
TEMPERATURE RISE-HIGH FIRE RANGE IN DEGREES °F [°C]	25 - 55 [14 - 31]	35 - 65 [19 - 36]	40 - 70 [22 - 39]	35 - 65 [19 - 36]	35 - 65 [19 - 36]	45 - 75 [25 - 42]
APPROX. SHIPPING WEIGHT (LBS.) [kg]	123.5 [56]	128 [58]	132 [60]	147.5 [67]	152 [69]	165 [75]
AFUE ③	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%

NOTES: All models are 115V, 60HZ, 1 phase Gas connection size for all models is 1/2" [13 mm] N.P.T.

① Installation instructions for high altitude derate.

② Canadian installations only.

③ In accordance with D.O.E. test procedures.

*S=Standard Models

NOTE: Standard model complies with California low nox requirements.

This furnace does not meet air district requirements of 14 ng/J NOx emissions limit, and thus is subject to a mitigation fee of up to \$450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

This furnace is to be installed for propane firing only in air districts requiring 14 ng/J NOx emission limits. Operating in natural gas mode is in violation of these Rules.

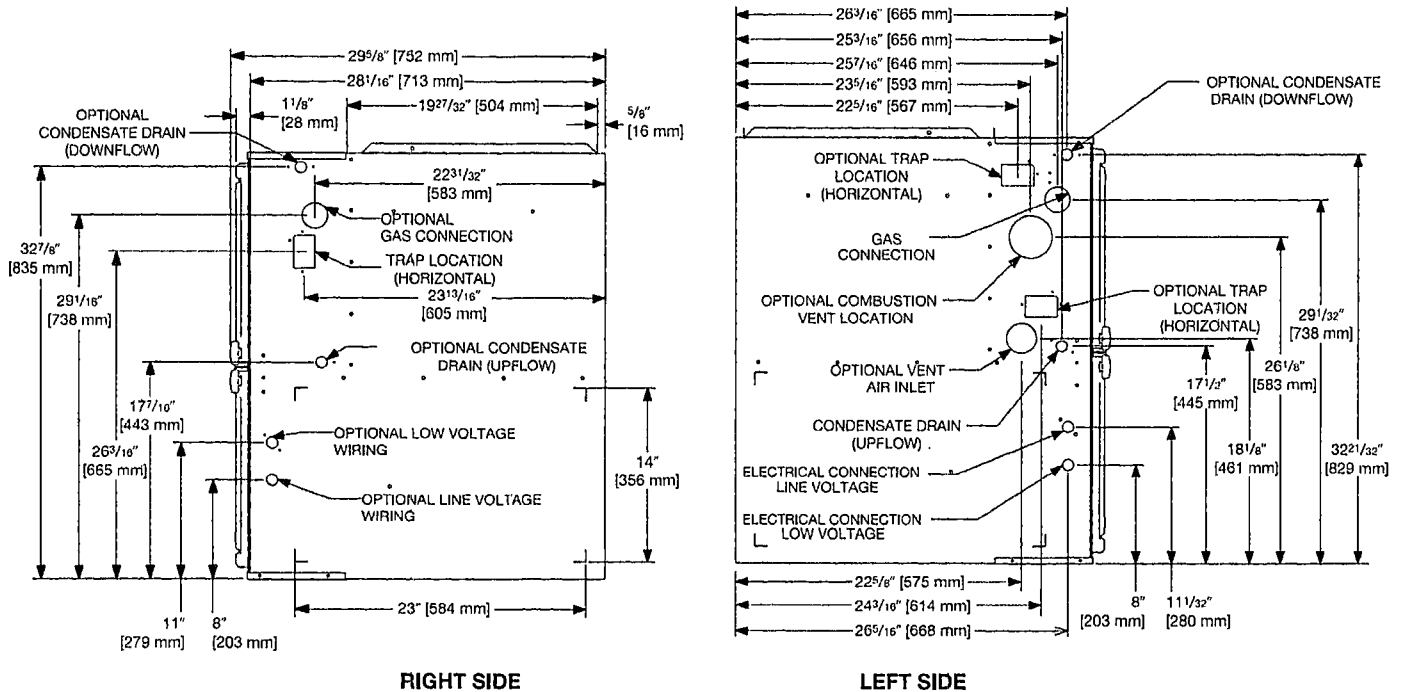
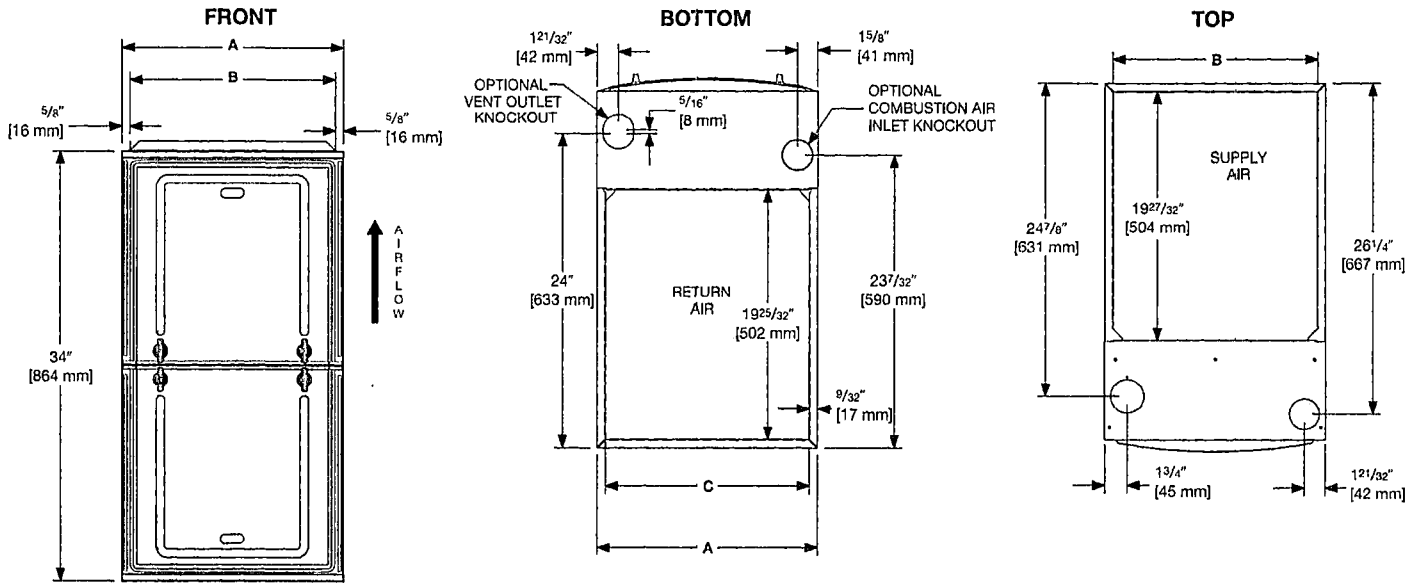
[] Designates Metric Conversions

Model Number Identification

<u>R</u>	<u>92</u>	<u>P</u>	<u>A</u>	<u>—</u>	<u>040</u>	<u>1</u>	<u>3</u>	<u>17</u>	<u>M</u>	<u>S</u>	<u>A</u>
Ruud	Series 92% Efficient	Motor - PSC	Design Series A = 1st Design		Input BTU/HR	Stage - Single	Airflow 3 - Up to 3 Tons 5 - Up to 5 Tons	Cabinet Width 17 = 17.5" 21 =21.0" 24 =24.5"	Configuration - Multi-Position	S = Standard	Revision - Marketing (A - First Time Release)
					040 = 42,000 [12.31 kW]						
					060 = 56,000 [16.41 kW]						
					070 = 70,000 [20.51 kW]						
					085 = 84,000 [24.62 kW]						
					100 = 98,000 [28.72 kW]						
					115 = 112,000 [32.82 kW]						

[] Designates Metric Conversions

Dimensional Data
R92P Series



UNIT DIMENSIONS
(CLEARANCE TO COMBUSTIBLES)

MODEL R92P	LEFT SIDE	MINIMUM CLEARANCE (IN.) [mm]					SHIP WTGS. (LBS.) [kg]	FLANGE DIMENSIONS		
		RIGHT SIDE	BACK	TOP	FRONT	VENT		A	B	C
040	0	0	0	1 [25]	2 [51]	0	123.5 [56]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
060	0	0	0	1 [25]	2 [51]	0	128 [58]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
070	0	0	0	1 [25]	2 [51]	0	132 [60]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
085	0	0	0	1 [25]	2 [51]	0	147.5 [67]	21 [533]	19 49/64 [502]	19 45/64 [500]
100	0	0	0	1 [25]	2 [51]	0	152 [69]	21 [533]	19 49/64 [502]	19 45/64 [500]
115	0	0	0	1 [25]	2 [51]	0	165 [75]	24 1/2 [662]	23 17/64 [591]	23 13/64 [589]

*A service clearance of at least 24" is recommended in front of all furnaces
Supply and return depicted as upflow configuration.
Flange configuration will vary depending on installation orientation.

[] Designates Metric Conversions

MODEL	BLOWER SIZE [mm]	MOTOR H.P. [W]	BLOWER SPEED	CFM [L/s] AIR DELIVERY EXTERNAL STATIC PRESSURE INCHES WATER COLUMN [kPa]							
				0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.19]
R92PA 0401317	11 x 7 [279 x 178]	1/4 [187]	LOW	732 [345]	695 [328]	669 [316]	639 [301]	605 [285]	547 [258]	512 [242]	487 [230]
			MED-LO	875 [413]	845 [399]	820 [387]	792 [374]	766 [361]	726 [342]	659 [311]	605 [286]
			MED-HI*	1073 [506]	1049 [495]	1004 [474]	975 [460]	943 [445]	900 [425]	864 [408]	798 [376]
			HIGH	1279 [603]	1239 [584]	1213 [572]	1174 [554]	1121 [529]	1069 [504]	1033 [487]	980 [462]
R92PA 0601317	11 x 8 [279 x 203]	1/2 [373]	LOW	830 [392]	793 [374]	755 [356]	705 [333]	654 [308]	599 [283]	544 [257]	496 [234]
			MED-LO	940 [443]	908 [428]	875 [413]	821 [387]	766 [361]	710 [333]	653 [308]	584 [275]
			MED-HI*	1168 [551]	1139 [537]	1109 [523]	1060 [500]	1010 [476]	942 [444]	874 [412]	802 [378]
			HIGH	1421 [670]	1385 [653]	1349 [636]	1291 [609]	1232 [581]	1147 [541]	1062 [501]	976 [460]
R92PA 0701317	11 x 8 [279 x 203]	1/2 [373]	LOW	852 [402]	827 [390]	802 [378]	752 [355]	701 [331]	662 [312]	623 [294]	580 [274]
			MED-LO	986 [465]	955 [450]	923 [435]	883 [417]	843 [398]	790 [373]	737 [348]	686 [324]
			MED-HI*	1238 [584]	1211 [571]	1183 [558]	1139 [537]	1094 [516]	1036 [489]	978 [461]	897 [423]
			HIGH	1493 [704]	1452 [685]	1410 [665]	1364 [643]	1318 [622]	1257 [593]	1195 [564]	1084 [511]
R92PA 0851521	11 x 10 [279 x 254]	3/4 [559]	LOW	1313 [619]	1275 [601]	1236 [583]	1221 [576]	1184 [558]	1141 [538]	1098 [518]	1053 [497]
			MED-LO	1488 [702]	1452 [685]	1415 [667]	1384 [653]	1328 [626]	1279 [603]	1229 [580]	1170 [552]
			MED-HI*	1732 [817]	1704 [804]	1676 [791]	1630 [769]	1579 [745]	1498 [707]	1417 [668]	1343 [633]
			HIGH	1983 [935]	1929 [910]	1874 [884]	1810 [854]	1742 [822]	1663 [784]	1583 [747]	1477 [697]
R92PA 1001521	11 x 10 [279 x 254]	3/4 [559]	LOW	1329 [627]	1313 [619]	1296 [611]	1260 [594]	1224 [577]	1171 [552]	1117 [527]	1049 [495]
			MED-LO	1535 [724]	1498 [707]	1461 [689]	1422 [671]	1382 [652]	1325 [625]	1268 [598]	1203 [567]
			MED-HI*	1796 [847]	1748 [825]	1700 [802]	1656 [781]	1612 [760]	1536 [725]	1460 [689]	1370 [646]
			HIGH	2019 [952]	1961 [925]	1903 [898]	1843 [869]	1782 [841]	1687 [796]	1592 [751]	1489 [702]
R92PA 1151524	11 x 11 [279 x 279]	3/4 [559]	LOW	1249 [589]	1234 [582]	1219 [575]	1183 [558]	1146 [541]	1112 [525]	1078 [508]	1017 [480]
			MED-LO	1440 [679]	1429 [674]	1417 [668]	1381 [651]	1344 [634]	1313 [619]	1281 [604]	1221 [576]
			MED-HI*	1770 [835]	1750 [825]	1730 [816]	1696 [800]	1662 [784]	1611 [760]	1559 [735]	1463 [690]
			HIGH	2123 [1001]	2077 [980]	2031 [958]	1983 [935]	1934 [912]	1856 [875]	1777 [838]	1665 [785]

*Factory setting for heat all grey cells are valid heating settings. Do not use speed tabs and/or static pressure which do not fall into the grey cells on this table.

NOTE: Unit tested without filters.

[] Designates Metric Conversions

VENT TERMINATION KITS: =

RXGY-E02: Vertical/Horizontal Concentric Vent Termination Kit
2" Pipe (US Only)

RXGY-E02A: Vertical/Horizontal Concentric Vent Termination Kit
2" Pipe (US & Canadian)

RXGY-E03: Vertical/Horizontal Concentric Vent Termination Kit
3" Pipe (US Only)

RXGY-E03A: Vertical/Horizontal Concentric Vent Termination Kit
3" Pipe (US & Canadian)

RXGY-G02: Direct Vent Furnace Side Wall Vent 2" or 3" (US Only)

RXGY-D05: Combustion Air Drain Kit 2"

RXGY-D06: Combustion Air Drain Kit 3"

NEUTRALIZER KIT: RXGY-A01
(Replacement Cartridge 54-22120-01)

EXTERNAL BOTTOM FILTER (UPFLOW/HORIZONTAL) RACK:
RXGF-CB

EXTERNAL SIDE (UPFLOW) FILTER RACK: RXGF-CD

EXTERNAL (DOWNFLOW) FILTER RACK: RXGF-CC

FILTER RACK FILTER SIZES* INCHES [mm]			
MODEL	RXGF-CB (UPFLOW/ HORIZONTAL)	RXGF-CD (UPFLOW)	RXGF-CC (DOWNFLOW)
R92PA040	15 ³ / ₄ x 25 [400 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA060	15 ³ / ₄ x 25 [400 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA070	15 ³ / ₄ x 25 [400 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA085	19 ¹ / ₄ x 25 [489 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA100	19 ¹ / ₄ x 25 [489 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA115	22 ³ / ₄ x 25 [578 x 635]	15 ³ / ₄ x 25 [400 x 635]	14 x 20 [356 x 508]

INDOOR COIL CASINGS

MODEL NUMBER
RXBC-D17A1
RXBC-D21A1
RXBC-D21B1
RXBC-D24A1

FOR HIGH ALTITUDES:

NOTE: For Canadian installations only, an optional derate (manifold gas pressure reduction) method may be used to adjust the furnace for altitude. See Installation Instructions for more information. This optional method may **NOT** be used for U.S. installations. See installation instructions as appropriate orifice change is required.

L.P. CONVERSION KIT: RXGJ-FP38

CONDENSATE PUMP KIT: PROSTOCK & 1PCB151TUL

DOWNFLOW/HORIZONTAL CONVERSION KIT: RXGY-CK

**DOWNFLOW/HORIZONTAL LEFT ZERO CLEARANCE
CONVERSION KIT:** RXGY-ZK

COMBUSTIBLE FLOOR BASE: RXGC-B17
RXGC-B21
RXGC-B24

[] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

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

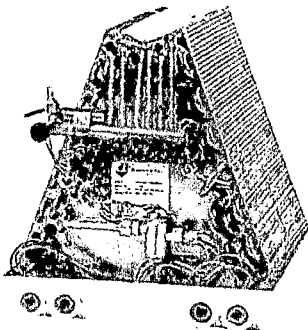
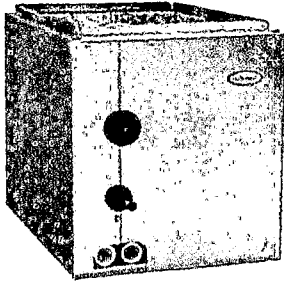
*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Conditional Parts

(Registration Required) Ten (10) Years
Heat Exchanger Twenty (20) Years

Specification Guide

HE Series Evaporator Coils



Contents	Page
HE Series A-Coils	
Features	2
Nomenclature	3
Specifications.....	4
Pallet Quantities.....	12



ISO 9001:2008
—Registered Quality System—



HealthySolutions®
Proven evaporator coils

PROTECTION THAT LIVES ON
MICROBAN®

Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify details.
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HE Series – Product Features

- High efficiency lanced fin design
- "No-hassle" 5 year warranty.
- R-22, R-410A, AC & Heat Pump compatible.
- All coils have durable packaging with bar coded labels on the box.
- Threaded expansion valves available factory installed or as a field installed kit.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- Patented HydroTEC™ low water retention drain pan.
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models.
- Intertek lab tested 1% or less cabinet air leakage for better efficiency.
- Cased coil cabinets are fully lined with 5/8" foil faced insulation.
- Optional painted or embossed galvanized steel cabinets.
- Short cabinet with easy access.
- Non-captive refrigerant lines with long stubs make for easy installation.
- Enhanced refrigerant pipe grommets: secure, tight, and easy to install.
- Copper distributor tube assembly provides brass to brass threads for trouble-free service of TXV.
- Expansion valve with improved temperature sensing:
 - 1.) Mounted inside cabinet to prevent external sweating
 - 2.) Bulb clamped standard factory installed
- All multi-position coils are upflow, downflow, and left or right airflow capable.
- Cabinet insulation hold down tabs for easy drain pan removal.
- Interlocking doors reduce air leakage and allow for easy access.
- Foam drain seal for reduced air leakage.
- All multi-position coils are field convertible from horizontal right-to-left airflow and horizontal left-to-right airflow.
- Suction line refrigerant connections are 3/4" ODF (A-Coil 18-36 size models) or 7/8" ODF (A-Coil 42-60 size models)
- Suction line refrigerant connections are 1.125" on slab numbers E43, E46, E56, and E65 for size 42 models and higher.
- Corrosion resistant coil header plates.
- All A-Coils are upflow or downflow capable.

WARNING—Face velocity above 350 ft/min. is not recommended for downflow or counterflow applications due to potential water blow-off.

HE Series – Nomenclature

H G30 2 24 D 145 B 12 05 AP																																				
Cabinet Color H = Embossed A = Armstrong D = Ducane/Aire-Flo G = ICP J = Goodman/Amana L = Lennox N = Nordyne P = Carrier/Bryant/Payne R = Rheem/Ruud T = Trane/American Std. Y = York/Luxaire/Coleman					Piston Size ^[3] AP = TXV access port ^[4] <table><tr><th>MBTUH</th><th>R-22</th><th>R-410A</th></tr><tr><td>12 =</td><td>41</td><td>41</td></tr><tr><td>18 =</td><td>53</td><td>49</td></tr><tr><td>24 =</td><td>59</td><td>53</td></tr><tr><td>30 =</td><td>67</td><td>59</td></tr><tr><td>36 =</td><td>73</td><td>67</td></tr><tr><td>42 =</td><td>80</td><td>73</td></tr><tr><td>48 =</td><td>84</td><td>76</td></tr><tr><td>60 =</td><td>93</td><td>93</td></tr></table>					MBTUH	R-22	R-410A	12 =	41	41	18 =	53	49	24 =	59	53	30 =	67	59	36 =	73	67	42 =	80	73	48 =	84	76	60 =	93	93
MBTUH	R-22	R-410A																																		
12 =	41	41																																		
18 =	53	49																																		
24 =	59	53																																		
30 =	67	59																																		
36 =	73	67																																		
42 =	80	73																																		
48 =	84	76																																		
60 =	93	93																																		
Slab Number E & A = Copper slab G = Aluminum slab					Product Code ^[5] 00 = Right-hand uncased 01 = Right-hand cased 04 = Left-hand uncased 05 = Left-hand cased 20 = Right-hand cased multi-position 22 = Left-hand cased multi-position																															
Metering Device ^[1] 1 = Piston (R-410A) 2 = Piston (R-22) 6 = Non-bleed A/C TXV (R-410A) 7 = Bleed HP-A/C TXV (R-410A) 8 = Bleed A/C TXV (R-410A) 9 = Non-bleed HP-A/C TXV (R-410A)					Cabinet Height ^[6] 00 = Uncased 12 = 12.5" 16 = 16.5" 18 = 18.5" (up to 31.5")																															
Nominal MBTUH					Cabinet Upper Notch A = Uncased B = .75" (standard)																															
Cabinet Depth ^[4] A = Uncased D = 21.0" C = 20.5" E = 21.5"					Width <table><tr><th><u>Cased</u></th><th><u>Uncased</u></th></tr><tr><td>140 = 14"</td><td>130 = 13"</td></tr><tr><td>142 = 14.25"</td><td>140 = 14"</td></tr><tr><td>145 = 14.5"</td><td>155 = 15.5"</td></tr><tr><td>175 = 17.5"</td><td>170 = 17"</td></tr><tr><td>210 = 21"</td><td>200 = 20"</td></tr><tr><td>245 = 24.5"</td><td>205 = 20.5</td></tr><tr><td>255 = 25.5"</td><td>235 = 23.5"</td></tr><tr><td></td><td>251 = 25.1"</td></tr></table>					<u>Cased</u>	<u>Uncased</u>	140 = 14"	130 = 13"	142 = 14.25"	140 = 14"	145 = 14.5"	155 = 15.5"	175 = 17.5"	170 = 17"	210 = 21"	200 = 20"	245 = 24.5"	205 = 20.5	255 = 25.5"	235 = 23.5"		251 = 25.1"									
<u>Cased</u>	<u>Uncased</u>																																			
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255 = 25.5"	235 = 23.5"																																			
	251 = 25.1"																																			

[1] 7 and 8 valve options available only for York family products.

[2] C-depth not available for aluminum slabs.

[3] Piston will always be sized to match the nominal BTU rating of the coil.

[4] TXV access port standard on factory installed TXVs; optional on piston models.

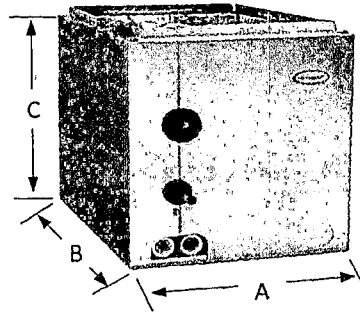
[5] Refrigerant connections and exposed drain connections are both on the left or right side as indicated.

[6] Cabinet height not a selectable option, see cased dimensions.

HE Series – Cased Specifications

A = Width
B = Depth
C = Height (excluding 3/4" top flange)

Supply Opening: (A - 1.5") x (B - 1.5")
Return Opening: (A - 1.0") x (B - 0.5")

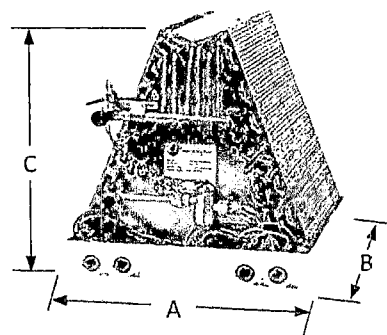


[1] E & A = Copper slab; G = Aluminum slab.

Cased Dimensions						
Slab [1] Number	Nominal MBTUH	Width [A]		Height [C]		Notes
		Vertical	Multi-Position	Vert	Multi-Pos	
A08	18	14" - 17.5"	14" - 17.5"	12.5"	16.5"	--
	24					
A09	18	14" - 21.0"	14" - 21.0"	16.5"	16.5"	--
	24					
	30					
A10	24	14" - 21.0"	14" - 21.0"	16.5"	16.5"	--
	30					
	36					
A11	36	14.5" - 24.5"	14.5" - 24.5"	18.5"	20.5"	--
	42	17.5" - 24.5"	17.5" - 24.5"			
A12	36	14.5" - 24.5"	14.5" - 24.5"	20.5"	20.5"	--
	42	17.5" - 24.5"	17.5" - 24.5"			
	48	17.5" - 24.5"	17.5" - 24.5"			
A13	36	14.25" - 24.5"	14.5" - 24.5"	** 25.5"	** 25.5"	** 22.5" height available in H, R & T colors.
	42	17.5" - 24.5"	17.5" - 24.5"			
	48	17.5" - 24.5"	17.5" - 24.5"			
A14	36	14.25" - 24.5"	14.5" - 24.5"	25.5"	25.5"	--
	42	17.5" - 24.5"	17.5" - 24.5"			
	48	17.5" - 24.5"	17.5" - 24.5"			
	60	21.0" - 24.5"	21.0" - 24.5"			
A15	36	** 14.25" - 24.5"	** 14.5" - 24.5"	** 25.5"	** 25.5"	** If cabinet width is 17" or less for upflow or 17.25" for multi-position, cabinet height must be 27.5".
	42	** 17.5" - 24.5"	** 17.5" - 24.5"			
	48	** 17.5" - 24.5"	** 17.5" - 24.5"			
	60	21.0" - 24.5"	21.0" - 24.5"			
A91	42	25.5" - 24.5"	--	25.5"	--	Not available in multi-position or "C" Depth (20.5")
	48					
	60					
(E,G) 20	18	14.5" - 17.5"	14" - 21.0"	12.5"	16.5"	--
	24					
(E,G) 21	18	14" - 17.5"	14" - 21.0"	** 16.5"	** 16.5"	** 16.5" height available in all colors. ** 14.5" height available in P color (D & E depths only).
	24					
	30					
(E,G) 22	18	14" - 24.5"	14" - 24.5"	16.5"	16.5"	--
	24					
	30					
	36					
(E,G) 23	24	14" - 17.5"	14" - 24.5"	18.5"	20.5"	--
	30					
	36					
	42					
(E,G) 24	24	14.25" - 21.0"	14.5" - 21.0"	20.5"	20.5"	--
	30					
	36					
	42					
(E,G) 25	48	17.5" - 24.5"	17.5" - 24.5"	** 25.5"	** 25.5"	** 25.5" height available in all colors. ** 22.5" height avail in H, R & T colors. ** 21.5" height available in P color (D & E depths only).
	36	14.25" - 21.0"	14.5" - 21.0"			
	42	17.5" - 24.5"	17.5" - 24.5"			

HE Series – Uncased Specifications

A = Width
B = Depth
C = Height (excluding 3/4" top flange)



[1] E & A = Copper slab; G = Aluminum slab.

[2] Face velocity **above 350 ft/min** not recommended for downflow applications due to potential water blow-off.

		Uncased Dimensions and Airflow Data											Weights						
Slab ^[1] Number	Nominal MBTUH	CFM	Face Vel. ^[2] (fpm)	Wet Coil Air Pressure Drop (inches W.C.) by Drain Pan Width [A]								Pan Depth [B]	Coil Height [C]	Copper Slab			Alum Slab		
				13"	14"	15.5"	17"	20"	20.5"	23.5"	25.12"			Unc	Csd Vert	Csd MP	Unc	Csd Vert	Csd MP
A08	18	600	270	.20	.18	.15	-	-	-	-	-	19.5"	11"	21	27	33	17	22	26
	24	800	360	.25	.20	.18	-	-	-	-	-								
A09	18	600	224	.19	.14	.11	.09	-	-	-	-	19.5"	13"	23	33	37	18	26	30
	24	800	299	.22	.17	.13	.12	-	-	-	-								
	30	1000	375	.25	.21	.17	.16	-	-	-	-								
A10	24	800	257	.17	.13	.11	.09	-	-	-	-	19.5"	15"	26	38	44	21	30	35
	30	1000	321	.23	.17	.15	.12	-	-	-	-								
	36	1200	386	-	.23	.21	.19	-	-	-	-								
A11	36	1200	337	-	.22	.20	.16	.15	-	-	-	19.5"	17"	30	42	48	24	34	38
	42	1400	393	-	-	.26	.20	.19	-	-	-								
A12	36	1200	300	-	.21	.19	.17	.09	-	-	-	19.5"	19"	33	46	52	26	37	42
	42	1400	350	-	-	.25	.20	.16	-	-	-								
	48	1600	400	-	-	-	.26	.22	-	-	-								
A13	36	1200	270	-	.19	.18	.16	.12	-	-	-	19.5"	21.0"	36	50	56	29	40	45
	42	1400	315	-	-	.24	.19	.17	-	-	-								
	48	1600	360	-	-	-	.24	.23	-	-	-								
A14	36	1200	245	-	.18	.18	.14	.06	-	-	-	19.5"	23"	38	54	60	30	43	48
	42	1400	286	-	-	.23	.20	.16	-	-	-								
	48	1600	327	-	-	-	.23	.19	-	-	-								
	60	2000	409	-	-	-	-	.24	-	-	-								
A15	36	1200	225	-	.16	.18	.14	.06	-	-	-	19.5"	25"	42	58	64	34	46	51
	42	1400	262	-	-	.23	.20	.16	-	-	-								
	48	1600	300	-	-	-	.23	.19	-	-	-								
	60	2000	375	-	-	-	-	.24	-	-	-								
A91	42	1400	200	-	-	-	-	-	-	-	0.22	20"	25"	54	70	76	43	56	61
	48	1600	229	-	-	-	-	-	-	-	0.26								
	60	2000	286	-	-	-	-	-	-	-	0.36								
(E,G) 20	18	600	270	.21	.19	.17	-	-	-	-	-	19.5"	11"	18	26	31	14	21	25
	24	800	360	.26	.24	.21	-	-	-	-	-								
(E,G) 21	18	600	224	.20	.18	.15	.14	-	-	-	-	19.5"	13"	20	30	35	16	24	28
	24	800	299	.23	.20	.18	.17	-	-	-	-								
	30	1000	375	.27	.25	.23	.22	-	-	-	-								
(E,G) 22	18	600	193	.18	.15	.12	.11	-	-	-	-	19.5"	15"	23	33	38	18	26	30
	24	800	257	.22	.18	.15	.14	-	-	-	-								
	30	1000	321	.28	.22	.20	.19	-	-	-	-								
	36	1200	386	-	.28	.25	.24	-	-	-	-								
(E,G) 23	24	800	225	.21	.16	.15	.12	.11	-	-	-	19.5"	17"	26	38	45	21	30	36
	30	1000	281	.26	.21	.19	.17	.15	-	-	-								
	36	1200	337	-	.27	.25	.22	.20	-	-	-								
	42	1400	393	-	-	.31	.27	.24	-	-	-								
(E,G) 24	24	800	200	-	.15	.13	.11	.10	-	-	-	19.5"	19"						
	30	1000	250	-	.22	.18	.16	.14	-	-	-								
	36	1200	300	-	.29	.25	.20	.19	-	-	-								
	42	1400	350	-	-	.30	.25	.25	-	-	-			27	40	47	22	32	38
	48	1600	400	-	-	-	.31	.31	-	-	-								
(E,G) 25	36	1200	270	-	.28	.26	.19	.18	-	-	-	19.5"	21.0"	32	46	54	26	37	43
	42	1400	315	-	-	.29	.24	.22	-	-	-								
	48	1600	360	-	-	-	.29	.28	-	-	-								

[1] E & A = Copper slab; G = Aluminum slab.

Cased Dimensions									
Slab ^[1] Number	Nominal MBTUH	Width [A]		Height [C]		Notes			
		Vertical	Multi-Position	Vert	Multi-Pos				
(E,G) 26	42	17.5" - 24.5"	17.5" - 24.5"	** 25.5"	** 25.5"	** 25.5" height available in all colors.			
	48					** 24.5" height available in P color (D & E depths only).			
	60	21.0" - 24.5"	20.5" - 24.5"						
(E,G) 27	42	** 17.5" - 24.5"	** 17.5" - 24.5"	** 25.5"	** 25.5"	** If cabinet width is 17" or less for upflow or 17.25" for multi-position, cabinet height must be 27.5".			
	48								
	60	21.0" - 24.5"	21.0" - 24.5"						
(E,G) 30	18	14" - 17.5"	14" - 17.75"	12.5"	16.5"	--			
	24								
(E,G) 31	18	14" - 21.0"	14" - 21.0"	** 16.5"	** 16.5"	** 16.5" height available in all colors.			
	24					** 14.5" height available in P color (D & E depths only).			
	30								
(E,G) 32	24	14" - 21.0"	14" - 21.0"	16.5"	16.5"	--			
	30								
	36	14" - 21.0"	14.5" - 21.0"						
(E,G) 7J	18	14" - 21.0"	14.5" - 21.0"	16.5"	16.5"	--			
	24								
	30								
	36								
(E,G) 33	18	14" - 24.5"	14" - 24.5"	18.5"	20.5"	--			
	24								
	30								
	36								
(E,G) 8J	24	14.25" - 24.5"	14.5" - 24.5"	18.5"	20.5"	--			
	30								
	36								
(E,G) 34	30	14.25" - 24.5"	14.5" - 24.5"	20.5"	20.5"	--			
	36								
	42	17.5" - 24.5"	17.5" - 24.5"						
(E,G) 9J	24	14" - 24.5"	14" - 24.5"	20.5"	20.5"	--			
	30								
	36								
	42								
(E,G) 35	36	14.25" - 24.5"	14.5" - 24.5"	** 25.5"	** 25.5"	** 25.5" height available in all colors.			
	42	17.5" - 24.5"	** 22.5" height avail in H, R, & T colors.						
	48		** 21.5" height available in P color (D & E depths only).						
(E,G) 1K	30	14.25" - 24.5"	14.5" - 24.5"	**25.5"	**25.5"	** 25.5" height available in all colors.			
	36					22.5" height available in H, R, & T			
	42	17.5" - 24.5"	21.5" height available in P color (D & E depth only).						
	48								
(E,G) 36	36	14.25" - 24.5"	14.5" - 24.5"	** 25.5"	** 25.5"	** 25.5" height available in all colors.			
	42	17.5" - 24.5"	** 24.5" height available in P color (D & E depths only).						
	48								
	60	21.0" - 24.5"	21.0" - 24.5"						
(E,G) 2K	36	14.25" - 24.5"	14.5" - 24.5"	**25.5"	**25.5"	**25.5" height available in all colors.			
	42	17.5" - 24.5"	24.5" height available in P color (D & E depths only)						
	48								
	60	21.0" - 24.5"	21.0" - 24.5"						
(E,G) 37	36	** 14" - 24.5"	** 14.5" - 24.5"	** 25.5"	** 25.5"	**If cabinet width is less than 17.5", cabinet height will be 27.5".			
	42	** 17.5" - 24.5"							
	48								
	60	21.0" - 24.5"	21.0" - 24.5"						
(E,G) 3K	36	14.25" - 24.5"	14.5" - 24.5"	**25.5"	**25.5"	**If cabinet width is less than 17.5", cabinet height will be 27.5".			
	42	17.5" - 24.5"							
	48								
	60	21.0" - 24.5"	21.0" - 24.5"						

[1] E & A = Copper slab; G = Aluminum slab.

[2] Face velocity **above 350 ft/min** not recommended for downflow applications due to potential water blow-off.

		Uncased Dimensions and Airflow Data											Weights						
Slab ^[1] Number	Nominal MBTUH	CFM	Face Vel. ^[2] (fpm)	Wet Coil Air Pressure Drop (inches W.C.) by Drain Pan Width [A]								Pan Depth [B]	Coil Height [C]	Copper Slab			Alum Slab		
				13"	14"	15.5"	17"	20"	20.5"	23.5"	25.12"			Unc	Csd Vert	Csd MP	Unc	Csd Vert	Csd MP
(E,G) 26	42	1400	286	-	-	.29	.26	.22	-	-	-	19.5"	23"	33	47	54	26	38	43
	48	1600	327	-	-	-	.29	.25	-	-	-								
	60	2000	409	-	-	-	-	.29	-	-	-								
(E,G) 27	42	1400	263	-	-	.28	.25	.21	-	-	-	19.5"	25"	36	52	57	29	42	46
	48	1600	300	-	-	-	.28	.24	-	-	-								
	60	2000	375	-	-	-	-	.29	-	-	-								
(E,G) 30	18	600	270	.28	.26	.23	-	-	-	-	-	19.5"	11"	22	29	36	18	23	29
	24	800	360	.30	.28	.26	-	-	-	-	-								
(E,G) 31	18	600	224	.27	.22	.19	.18	-	-	-	-	19.5"	13"	24	34	38	19	27	30
	24	800	299	.30	.25	.21	.20	-	-	-	-								
	30	1000	375	.30	.29	.25	.24	-	-	-	-								
(E,G) 32	24	800	257	.25	.21	.19	.17	-	-	-	-	19.5"	15"	28	40	46	22	32	37
	30	1000	321	.30	.25	.23	.20	-	-	-	-								
	36	1200	386	-	.30	.29	.27	-	-	-	-								
(E,G) 7J	18	600	193	.21	.18	.17	.14	-	-	-	-	19.5"	15"	28	40	46	22	32	37
	24	800	257	.29	.24	.22	.19	-	-	-	-								
	30	1000	321	.34	.29	.26	.23	-	-	-	-								
	36	1200	386	-	.34	.33	.31	-	-	-	-								
(E,G) 33	18	600	169	.14	.11	.10	.09	.08	-	-	-	19.5"	17"	32	44	50	26	35	40
	24	800	225	.24	.19	.18	.17	.14	-	-	-								
	30	1000	281	.29	.24	.22	.19	.15	-	-	-								
	36	1200	337	-	.30	.28	.24	.20	-	-	-								
(E,G) 8J	24	800	225	.27	.22	.21	.19	.16	-	-	-	19.5"	17"	32	44	50	26	35	40
	30	1000	281	.33	.27	.25	.22	.17	-	-	-								
	36	1200	337	-	.34	.32	.27	.23	-	-	-								
(E,G) 34	30	1000	250	.27	.22	.21	.18	.13	-	-	-	19.5"	19"	35	48	56	28	38	45
	36	1200	300	-	.29	.27	.25	.17	-	-	-								
	42	1400	350	-	-	.30	.28	.26	-	-	-								
(E,G) 9J	24	800	200	.25	.20	.18	.15	.10	-	-	-	19.5"	19"	35	48	56	28	38	45
	30	1000	250	.31	.25	.24	.21	.15	-	-	-								
	36	1200	300	-	.33	.31	.29	.19	-	-	-								
	42	1400	350	-	-	.34	.32	.30	-	-	-								
(E,G) 35	36	1200	270	-	.27	.26	.24	.20	-	-	-	19.5"	21.0"	39	53	60	31	42	48
	42	1400	315	-	-	.30	.27	.25	-	-	-								
	48	1600	360	-	-	-	.30	.30	-	-	-								
(E,G) 1K	30	1000	225	.25	.23	.21	.10	.17	-	-	-	19.5"	21.0"	39	53	60	31	42	48
	36	1200	270	-	.31	.30	.27	.23	-	-	-								
	42	1400	315	-	-	.34	.31	.29	-	-	-								
	48	1600	360	-	-	-	.34	.34	-	-	-								
(E,G) 36	36	1200	245	-	.26	.26	.22	.14	-	-	-	19.5"	23"	41	57	64	33	46	51
	42	1400	286	-	-	.30	.25	.24	-	-	-								
	48	1600	327	-	-	-	.28	.27	-	-	-								
	60	2000	409	-	-	-	-	.30	-	-	-								
(E,G) 2K	36	1200	245	-	.28	.28	.24	.15	-	-	-	19.5"	23"	41	57	64	33	46	51
	42	1400	286	-	-	.32	.27	.26	-	-	-								
	48	1600	327	-	-	-	.30	.29	-	-	-								
	60	2000	409	-	-	-	-	.32	-	-	-								
(E,G) 37	36	1200	225	-	.24	.26	.22	.14	-	-	-	19.5"	25"	45	61	65	36	49	52
	42	1400	262	-	-	.30	.28	.24	-	-	-								
	48	1600	300	-	-	-	.30	.27	-	-	-								
	60	2000	375	-	-	-	-	.29	-	-	-								
(E,G) 3K	36	1200	225	-	.26	.28	.24	.15	-	-	-	19.5"	25"	45	61	65	36	49	52
	42	1400	262	-	-	.32	.30	.26	-	-	-								
	48	1600	300	-	-	-	.32	.29	-	-	-								
	60	2000	375	-	-	-	-	.31	-	-	-								

[1] E & A = Copper slab; G = Aluminum slab.

		Cased Dimensions				
Slab ^[1] Number	Nominal MBTUH	Width [A]		Height [C]		Notes
		Vertical	Multi-Position	Vert	Multi-Pos	
(E,G) 41	42	25.5"	--	25.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 43 **	** 36	25.5"	--	27.5"	--	Not available in multi-position. ** E43 3-ton not available with HP TXV.
	42					
	48					
	60					
(E,G) 46	42	24.5"	--	29.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 47	24	17.5" - 21.0"	17.5" - 21.0"	29.5"	29.5"	--
	30					
	36					
(E,G) 48	36	** 14.25" - 24.5"	** 14.75" - 24.5"	** 27.5"	** 27.5"	** If cabinet width is 17" or less for upflow or 17.25" for multi-position, cabinet height must be 29.5".
	42	17.5" - 24.5 ^a	17.5" - 24.5"			
	48	21.0" - 24.5"	21.0" - 24.5"			
	60					
(E,G) 49	42	21.0" - 24.5 ^a	21.0" - 24.5"	27.5"	27.5"	--
	48					
	60					
(E,G) 50	42	21.0" - 24.5 ^a	21.0" - 24.5"	27.5"	27.5"	--
	48					
	60					
(E,G) 51	42	21.0" - 24.5 ^a	21.0" - 24.5"	31.5"	31.5"	--
	48					
	60					
(E,G) 52	42	21.0" - 24.5 ^a	--	31.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 53	18	14.25" - 17.5 ^a	--	31.5"	--	Not available in multi-position.
	24	14.25" - 21.0 ^a	--			
	30					
	36					
	42					
	48					
(E,G) 54	42	21.0" - 24.5"	21.0" - 24.5"	** 31.5"	** 31.5"	** 31.5" height available in all colors. ** 29.5" height available in P color (D & E depths only).
	48					
	60					
(E,G) 55	42	21.0" - 24.5"	21.0" - 24.5"	31.5"	31.5"	--
	48					
	60					
(E,G) 56	42	24.5"	--	27.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 57	24	21.0" - 24.5 ^a	21.0" - 24.5"	27.5"	27.5"	--
	30					
	36					
(E,G) 65	42	24.5"	--	31.5"	--	Not available in multi-position.
	48					
	60					

[1] E & A = Copper slab; G = Aluminum slab.

[2] Face velocity above 350 ft/min not recommended for downflow applications due to potential water blow-off.

		Uncased Dimensions and Airflow Data											Weights						
Slab ^[1] Number	Nominal MBTUH	CFM	Face Vel. ^[2] (fpm)	Wet Coil Air Pressure Drop (inches W.C.) by Drain Pan Width [A]								Pan Depth [B]	Coil Height [C]	Copper Slab			Alum Slab		
				13"	14"	15.5"	17"	20"	20.5"	23.5"	25.12"			Unc	Csd Vert	Csd MP	Unc	Csd Vert	Csd MP
(E,G) 41	42	1400	200	-	-	-	-	-	-	-	.28	20"	25"	58	75	81	46	60	65
	48	1600	229	-	-	-	-	-	-	-	.29								
	60	2000	286	-	-	-	-	-	-	-	.30								
(E,G) 43 **	** 36	1200	158	-	-	-	-	-	-	-	.14	20"	27"	62	78	84	50	62	67
	42	1400	185	-	-	-	-	-	-	-	.18								
	48	1600	211	-	-	-	-	-	-	-	.23								
	60	2000	264	-	-	-	-	-	-	-	.33								
(E,G) 46	42	1400	183	-	-	-	-	-	-	.19	-	19.5"	29"	65	80	--	52	64	--
	48	1600	209	-	-	-	-	-	-	.24	-								
	60	2000	261	-	-	-	-	-	-	.34	-								
(E,G) 47	24	800	138	-	-	-	.10	-	.08	-	-	19.5"	27"	50	66	72	40	53	58
	30	1000	173	-	-	-	.13	-	.12	-	-								
	36	1200	208	-	-	-	.15	-	.16	-	-								
(E,G) 48	36	1200	208	-	.27	.25	.21	.13	-	-	-	19.5"	27"	44	60	66	35	48	53
	42	1400	242	-	-	.29	.27	.23	-	-	-								
	48	1600	277	-	-	-	.29	.26	-	-	-								
	60	2000	346	-	-	-	-	.28	-	-	-								
(E,G) 49	42	1400	263	-	-	-	-	-	.28	-	-	19.5"	25"	47	63	69	38	50	55
	48	1600	300	-	-	-	-	-	.29	-	-								
	60	2000	375	-	-	-	-	-	.32	-	-								
(E,G) 50	42	1400	242	-	-	-	-	-	.27	-	-	19.5"	27"	50	66	72	40	53	58
	48	1600	277	-	-	-	-	-	.28	-	-								
	60	2000	346	-	-	-	-	-	.30	-	-								
(E,G) 51	42	1400	225	-	-	-	-	-	.25	-	-	19.5"	29"	55	73	79	44	58	63
	48	1600	257	-	-	-	-	-	.27	-	-								
	60	2000	322	-	-	-	-	-	.29	-	-								
(E,G) 52	42	1400	210	-	-	-	-	-	.18	-	-	19.5"	31"	62	77	--	50	62	--
	48	1600	240	-	-	-	-	-	.22	-	-								
	60	2000	300	-	-	-	-	-	.32	-	-								
(E,G) 53	18	600	90	-	.07	-	.06	-	-	-	-	19.5"	31"	50	62	--	40	50	--
	24	800	120	-	.11	-	.10	-	-	-	-								
	30	1000	150	-	.15	-	.14	.14	-	-	-								
	36	1200	180	-	.20	-	.19	.18	-	-	-								
	42	1400	210	-	-	-	.22	.21	-	-	-								
	48	1600	240	-	-	-	.31	.29	-	-	-								
(E,G) 54	42	1400	225	-	-	-	-	.17	-	-	-	19.5"	29"	50	70	75	40	56	60
	48	1600	257	-	-	-	-	.21	-	-	-								
	60	2000	322	-	-	-	-	.30	-	-	-								
(E,G) 55	42	1400	210	-	-	-	-	.21	-	-	-	19.5"	31"	50	70	75	40	56	60
	48	1600	240	-	-	-	-	.29	-	-	-								
	60	2000	300	-	-	-	-	.35	-	-	-								
(E,G) 56	42	1400	197	-	-	-	-	-	.21	-	-	19.5"	27"	68	83	--	54	66	--
	48	1600	225	-	-	-	-	-	.26	-	-								
	60	2000	281	-	-	-	-	-	.38	-	-								
(E,G) 57	24	800	138	-	-	-	-	-	.08	-	-	19.5"	27"	50	66	72	40	53	58
	30	1000	173	-	-	-	-	-	.12	-	-								
	36	1200	208	-	-	-	-	-	.16	-	-								
(E,G) 65	42	1400	171	-	-	-	-	-	.13	-	-	19.5"	31"	77	92	--	62	74	--
	48	1600	195	-	-	-	-	-	.16	-	-								
	60	2000	244	-	-	-	-	-	.23	-	-								

[1] E & A = Copper slab; G = Aluminum slab.

Cased Dimensions						
Slab ^[1] Number	Nominal MBTUH	Width [A]		Height [C]		Notes
		Vertical	Multi-Position	Vert	Multi-Pos	
(E,G) 70	42	24.5"	--	18.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 71	42	24.5"	--	** 25.5"	--	Not available in multi-position. ** 25.5" height available in all colors. ** 22.5" height avail in H, R, & T colors.
	48					
	60					
(E,G) 72	42	24.5"	--	** 25.5"	--	Not available in multi-position. ** 25.5" height available in all colors. ** 24.5" height available in P color (D & E depths only).
	48					
	60					
(E,G) 73	42	24.5"	--	25.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 74	42	24.5"	--	18.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 75	42	24.5"	--	** 25.5"	--	Not available in multi-position. ** 25.5" height available in all colors. ** 22.5" height avail in H, R, & T colors.
	48					
	60					
(E,G) 76	42	24.5"	--	** 25.5"	--	Not available in multi-position. ** 25.5" height available in all colors. ** 24.5" height available in P color (D & E depths only).
	48					
	60					
(E,G) 77	42	24.5"	--	25.5"	--	Not available in multi-position.
	48					
	60					
(E,G) 80	18	14.25" - 21.0"	14.5" - 21.0"	20.5"	20.5"	--
	24	14.25" - 24.5"	14.5" - 24.5"			
	30					
	36					
(E,G) 81	24	14.25" - 24.5"	14.5" - 24.5"	20.5"	20.5"	--
	30					
	36					
(E,G) 82	24	14.25" - 24.5"	14.5" - 24.5"	** 25.5"	** 25.5"	** 25.5" height available in all colors. ** 22.5" height available in H, R, & T colors.
	30					
	36					
(E,G) 83	24	14.25" - 24.5"	14.5" - 24.5"	25.5"	25.5"	--
	30					
	36					
(E,G) 84	42	17.5" - 24.5"	17.5" - 24.5"	25.5"	25.5"	--
	48	21.0" - 24.5"	21.0" - 24.5"			
	60					
(E,G) 85	24	14.25" - 24.5"	14.5" - 24.5"	27.5"	27.5"	--
	30					
	36					
(E,G) 86	42	17.5" - 24.5"	17.5" - 24.5"	27.5"	27.5"	--
	48	21.0" - 24.5"	21.0" - 24.5"			
	60					
(E,G) 87	24	** 17.5" - 21.0"	17.5" - 21.0"	** 27.5"	** 27.5"	** If cabinet width is 20.75" or less for upflow or multi-position, cabinet height must be 29.5".
	30					
	36					
(E,G) 88	42	** 17.5" - 24.5"	17.5" - 24.5"	** 27.5"	** 27.5"	** If cabinet width is 20.75" or less for upflow or multi-position, cabinet height must be 29.5".
	48	** 21.0" - 24.5"	21.0" - 24.5"			
	60					

[1] E & A = Copper slab; G = Aluminum slab.

[2] Face velocity above 350 ft/min not recommended for downflow applications due to potential water blow-off.

		Uncased Dimensions and Airflow Data											Weights						
Slab ^[1] Number	Nominal MBTUH	CFM	Face Vel. ^[2] (fpm)	Wet Coil Air Pressure Drop (inches W.C.) by Drain Pan Width [A]								Pan Depth [B]	Coil Height [C]	Copper Slab			Alum Slab		
				13"	14"	15.5"	17"	20"	20.5"	23.5"	25.12"			Unc	Csd Vert	Csd MP	Unc	Csd Vert	Csd MP
(E,G) 70	42	1400	282	-	-	-	-	-	-	.23	-	19.5"	19"	44	55	--	35	44	--
	48	1600	322	-	-	-	-	-	-	.28	-								
	60	2000	402	-	-	-	-	-	-	.43	-								
(E,G) 71	42	1400	252	-	-	-	-	-	-	.19	-	19.5"	21.0"	46	58	--	37	46	--
	48	1600	288	-	-	-	-	-	-	.25	-								
	60	2000	360	-	-	-	-	-	-	.36	-								
(E,G) 72	42	1400	229	-	-	-	-	-	-	.17	-	19.5"	23"	48	60	--	38	48	--
	48	1600	262	-	-	-	-	-	-	.21	-								
	60	2000	329	-	-	-	-	-	-	.29	-								
(E,G) 73	42	1400	211	-	-	-	-	-	-	.14	-	19.5"	25"	50	62	--	40	50	--
	48	1600	240	-	-	-	-	-	-	.18	-								
	60	2000	300	-	-	-	-	-	-	.26	-								
(E,G) 74	42	1400	280	-	-	-	-	-	-	.27	-	19.5"	19"	47	59	--	38	47	--
	48	1600	320	-	-	-	-	-	-	.34	-								
	60	2000	400	-	-	-	-	-	-	.51	-								
(E,G) 75	42	1400	254	-	-	-	-	-	-	.23	-	19.5"	21.0"	50	62	--	40	50	--
	48	1600	288	-	-	-	-	-	-	.28	-								
	60	2000	362	-	-	-	-	-	-	.41	-								
(E,G) 76	42	1400	229	-	-	-	-	-	-	.20	-	19.5"	23"	52	65	--	42	52	--
	48	1600	262	-	-	-	-	-	-	.24	-								
	60	2000	329	-	-	-	-	-	-	.35	-								
(E,G) 77	42	1400	211	-	-	-	-	-	-	.17	-	19.5"	25"	55	69	--	44	55	--
	48	1600	241	-	-	-	-	-	-	.21	-								
	60	2000	302	-	-	-	-	-	-	.30	-								
(E,G) 80	18	600	169	-	.20	-	.19	-	-	-	-	19.5"	17"	40	48	53	32	38	42
	24	800	225	-	.28	-	.27	-	-	-	-								
	30	1000	281	-	.40	-	.37	-	-	-	-								
	36	1200	338	-	.53	-	.50	-	-	-	-								
(E,G) 81	24	800	200	-	.23	-	.22	-	-	-	-	19.5"	19"	42	51	56	34	41	45
	30	1000	250	-	.35	-	.31	-	-	-	-								
	36	1200	300	-	.48	-	.41	-	-	-	-								
(E,G) 82	24	800	181	-	.22	-	.19	-	-	-	-	19.5"	21.0"	44	54	59	35	43	47
	30	1000	226	-	.32	-	.28	-	-	-	-								
	36	1200	271	-	.45	-	.37	-	-	-	-								
(E,G) 83	24	800	164	-	.19	-	.16	-	-	-	-	19.5"	23"	46	57	63	37	46	50
	30	1000	205	-	.28	-	.23	-	-	-	-								
	36	1200	246	-	.40	-	.31	-	-	-	-								
(E,G) 84	42	1400	287	-	-	-	.40	-	.37	-	-	19.5"	23"	48	59	65	38	47	52
	48	1600	328	-	-	-	.49	-	.39	-	-								
	60	2000	409	-	-	-	-	-	.42	-	-								
(E,G) 85	24	800	151	-	.16	-	.14	-	.13	-	-	19.5"	25"	59	61	68	47	49	54
	30	1000	188	-	.26	-	.20	-	.18	-	-								
	36	1200	226	-	.37	-	.28	-	.24	-	-								
(E,G) 86	42	1400	263	-	-	-	.37	-	.36	-	-	19.5"	25"	61	63	70	49	50	56
	48	1600	301	-	-	-	.46	-	.37	-	-								
	60	2000	376	-	-	-	-	-	.41	-	-								
(E,G) 87	24	800	139	-	-	-	.13	-	.10	-	-	19.5"	27"	52	66	72	42	53	58
	30	1000	174	-	-	-	.19	-	.15	-	-								
	36	1200	208	-	-	-	.27	-	.20	-	-								
(E,G) 88	42	1400	243	-	-	-	.36	-	.35	-	-	19.5"	27"	54	66	74	43	53	59
	48	1600	277	-	-	-	.45	-	.36	-	-								
	60	2000	347	-	-	-	-	-	.39	-	-								

HE Series – Pallet Quantities

Cased												
Cabinet Width	Pallet Qty by Cabinet Height (in)											
	12.5	14.5	16.5	18.5	20.5	21.5	22.5	24.5	25.5	27.5	29.5	31.5
14.00"	18	12	12	12	6	6	6	6	6	-	-	-
14.25"	18	12	12	12	6	6	6	6	6	-	-	-
14.50"	18	12	12	12	6	6	6	6	6	4	-	-
17.50"	8	8	8	8	4	4	4	4	4	4	4	-
21.00"	-	8	8	8	4	4	4	4	4	4	4	4
24.50"	-	8	8	8	4	4	4	4	4	4	4	4
25.50"	-	4	4	4	4	4	4	4	4	4	4	4

Uncased												
Drain Pan Width	Pallet Qty by Coil Height (in)											
	11	13	15	17	19	21	23	25	27	29	31	
13.00"	18	18	12	12	12	6	6	6	6	-	-	
14.00"	18	18	12	12	12	6	6	6	6	-	-	
15.50"	18	18	12	12	12	4	4	4	4	-	4	
17.00"	8	8	8	8	8	4	4	4	4	-	-	
20.00"	-	-	-	8	8	4	4	4	4	4	4	
20.50"	-	-	-	-	-	-	4	4	4	4	4	
23.50"	-	-	-	-	8	4	4	4	4	4	4	
25.12"	-	-	-	-	-	-	-	4	4	-	-	



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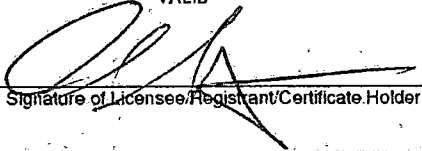
HAS LICENSED

Anthony P. Murgolo
 541 Herbert Lane
 Brick NJ 08724

FOR PRACTICE IN NEW JERSEY AS A(N): Master HVACR Contractor

05/17/2018 TO 06/30/2020

VALID


 Signature of Licensee/Registrant/Certificate Holder

19HC00098900

LICENSE/REGISTRATION/CERTIFICATION #


 ACTING DIRECTOR

New Jersey Office of the Attorney General
 Division of Consumer Affairs

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 Board of Exam. of HVACR Contractors

HAS LICENSED

Anthony P. Murgolo
 Master HVACR Contractor

05/17/2018 TO 06/30/2020

VALID

SIGNATURE

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License/Registration/Certificate #


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