

Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

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Information of Private Citizen(s).***

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- Drivers' License Numbers
- Unlisted Phone Numbers
- Credit Card Numbers
- Bank Account Numbers and Balances

For further information, consult with the Township Clerk, Township Archivist or Township Attorney prior to release.

Bryan J. Dickerson, CA, CMR
Township Archivist

Issued: 8 January 2020

BLOCK 836 LOT 36 QUALIFICATION CODE _____ ADDRESS (SITE) _____ PERMIT NO. 19-2390



CONSTRUCTION PERMIT APPLICATION

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

C-18-000992

I. IDENTIFICATION

1. Proposed Work Site at: 1673 West Princeton Ave, Brick NJ 08724

2. Name of Owner in Fee: Joe Covello

Tel. () _____ e-mail _____

Address: 1673 West Princeton Ave, Brick NJ 08724

3. Ownership in Fee: Public Private municipality zip code

4. Principal Contractor: Dynac Refrigeration Tel. (732) 674-8585

Address: 159 Monmouth Dr, Brick NJ 08724 e-mail _____

License No. OR, if new home, Builder Reg. No. 19H00053200 Exp. Date 6/30/18

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13H07073000

Federal Emp. ID No. 455634767 FAX: () _____

5. Architect or Engineer _____ Contact _____

Address _____ e-mail _____

Tel. () _____ FAX: () _____

6. Responsible Person in Charge once Work has Begun Joe Covello

Tel. (848) 533-4453 FAX: () _____

V. FEE SUMMARY (for office use only)		Update	Update
1. Building	\$	<u>1500</u>	
2. Electrical			
3. Plumbing			
4. Fire Protection			
5. Elevator Devices/Mechanical		<u>2000</u>	<u>25</u>
6. Subtotal			
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee		<u>2-</u>	
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$	<u>352-</u>	

VI. BUILDING/SITE CHARACTERISTICS

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 _____

(office use only)

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)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
☐ Building									
☐ Electrical									
☐ Plumbing									
☐ Fire Protection									
☐ Elevator									
TOTAL COST									

FOR OFFICE USE ONLY (Optional)

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/Standpipes

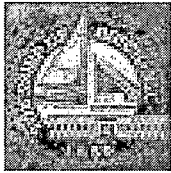
8. ☐ Smoke Control Systems in Open Wells

9. ☐ Underground Storage Tanks

10. ☐ Swimming Pools, Spas and Hot Tubs

11. ☐ LPGas Tanks

12. ☐ Fire Alarm



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 1/17/2020
Control Number C-18-000992
Permit Number 19-2390
Permit Issue Date 9/11/2019
Certificate Number 19-2390

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 1673 W. PRINCETON AVE. Brick Township, NJ Block: 836 Lot: 36 Qual: _____
Owner in Fee: COVELLO, GIUSEPPE & LINA P
Owner Address: 1673 W PRINCETON AVE BRICK NJ 08724
Telephone: [REDACTED]
Contractor Dwyer Refrigeration
Address 159 Manorside Dr. Brick NJ 08723
Telephone: (732) 674-8585 Fax: _____
License Number or Builders Registration Number: _____ Federal Emp. Number: 455634767

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: OIL TO GAS CONVERSION - ...REPLACE FURNACE & A/C

Certificate Comments:

☐ **Certificate of Occupancy**

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

☒ **Certificate of Approval**

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

☐ **Certificate of Continued Occupancy**

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

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of: _____
Conditions to be met:

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

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

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

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

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

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

☐ **Temporary Certificate of Occupancy**

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

Construction Official

Date Printed: 1/17/2020

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

Page 1

ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received 03/19/2018
Date Issued 09/11/2019
Control # C-18-000992
Permit # 19-2390

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

Block 836 Lot 36 Qualification Code _____

Work Site Location: 1673 W. PRINCETON AVE. Brick Township, NJ

Owner in Fee: COVELLO, GIUSEPPE & LINA P

Address 1673 W PRINCETON AVE BRICK NJ 08724

Email _____

Tel. [REDACTED]

Contractor: ECHOLON CONSTRUCTION LLC

Address 443 TREMONT PLACE BRICK NJ 08724

Email _____

Tel. (732) 575-9245 Fax. _____

Lic No. 34EB01835200 Exp. Date 03/31/2021

Home improvement Contractor Registration No. or Exemption Reason(is applicable): _____

Federal Employee No. _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed R-5

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as _____ Utility Co. _____

Estimated Cost of Electrical Work \$500

JOB SUMMARY (Office Use Only)					
PLAN REVIEW		INSPECTIONS		Dates (Month/Day)	
Date	Initial	Type:	Failure	Failure	Approval
☐ No Plan Required		Rough	_____	_____	_____
Partial Underslab Utilities Approved		Barrier-Free	_____	_____	_____
Date: _____	by: _____	Trench	_____	_____	_____
Electric Plans Approved		Temp. Serv.	_____	_____	_____
Date: _____	by: _____	Constr. Serv.	_____	_____	_____
Joint Plan Review Required		TCO	_____	_____	_____
☐ Building	☐ Plumbing	Other	_____	_____	_____
☐ Fire	☐ Elevator	Service	_____	_____	_____
☐ Electrical Plans Approved		Final	_____	_____	_____
SUBCODE APPROVAL for PERMIT		Barrier-Free	_____	_____	_____
Date: _____	by: _____	Temp. Cut-in-Card Date Issued	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE		Final Cut-in-Card Date Issued	_____	_____	_____
☐ CO	☐ CCO	Annual Pool Inspection	_____	_____	_____
Date: <u>1-14-20</u>		Date of Grounding and Bonding	_____	_____	_____
Approved by: <u>VM</u>		Certification	_____	_____	_____

C. CERTIFICATION IN LIEU OF OATH

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

Applicant's Signature/Contractor's Seal and Signature and Printed Name

☐ Licensed Elec Cont'r ☐ Certif'd Landscape Irrigation Cont'r ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

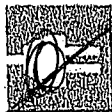
OIL TO GAS CONVERSION, ...REPLACE FURNACE & A/C

QTY.	SIZE	ITEMS	FEE (Office Use Only)
_____	_____	Lighting Fixtures	_____
_____	_____	Receptacles	_____
_____	_____	Switches	_____
_____	_____	Detectors	_____
_____	_____	Light Poles	_____
_____	_____	Motors - Fract. HP	_____
_____	_____	Emergency & Exit Lights	_____
_____	_____	Communication Points	_____
_____	_____	Alarm Devices/F.A.C. Panel	_____
_____	_____	TOTAL NUMBERS	_____
_____	_____	Pool Permit/with UW Lights	_____
_____	_____	Storable Pool/Spa/Hot Tub	_____
_____	_____	KW Elec. Range/Receptical	_____
_____	_____	KW Oven/Surface Unit	_____
_____	_____	KW Elec. Water Heater	_____
_____	_____	KW Elec. Dryer/Recepticle	_____
_____	_____	KW Dishwasher	_____
_____	_____	HP Garbage Disposal	_____
<u>1</u>	<u>3</u>	KW Central A/C Unit	<u>\$25</u>
<u>1</u>	<u>3</u>	HP/KW Space Heater/Air	<u>\$25</u>
_____	_____	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 \$150
State Permit Surcharge Fee \$1
TOTAL FEE \$151



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 836 Lot 36 Qualification Code _____
Work Site Location 1673 West Princeton Ave, Brick NJ
08724

Owner's Name Stone Cove Inn

Tel. _____ ma _____

Address 1673 West Princeton Ave, Brick NJ 08724

Contractor: Dwyer Refrigeration Tel. 732 674 8585

Address 159 Manorside Dr e-mail _____
BRICK, NJ 08724

Contractor License No. 19HC00053800 Exp. Date 6/30/18

Home Improvement Contractor Registration No. or Exemption Reason 13VH07083600

Federal Emp. ID No. 45-5634767 FAX: _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

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

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 500

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW		Type:	Failure	Failure	Approval
[] No Plans Required		Rough			
[] Partial Underslab Utilities Approved		Barrier-Free			
Date:	Approved by:	Trench			
[] Electric Plans Approved		Temp. Serv.			
Date:	Approved by:	Constr. Serv.			
Joint Plan Review Required		TCO			
[] Bldg. [] Plumb. [] Fire [] Elev.		Other			
SUBCODE APPROVAL for PERMIT		Service			
Date:		Final			
Approved by:		Barrier-Free			
SUBCODE APPROVAL for CERTIFICATE		Temp. Cut-In-Card Date Issued			
[] CO [] CCO [] CA		Final Cut-In-Card Date Issued			
Date:		Annual Pool Inspection			
Approved by:		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:

Print name here:

[] Licensed Elec. Contractor [] Certif'd Landscape Irrigation Contr [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Furnace + AC Replacement

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	_____
1	5	KW Central A/C Unit	_____
1	3	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 \$ _____

9/1/19
19-2390

Pending? Electric update

10-7-19

- 1) Remove pot through connection
- 2) Cap off LV UG on wire
- 3) New DISCONNECT installed, NEEDED to connect electrical conductor
- 4) STOP EMT AT PORMACE
- 5) REGRADLE Per PMP Reverse Polarity
- 6) Backing EMT OF EMT.

✓
@
test.



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 836 Lot 36 Qualification Code _____
Work Site Location 1673 West Princeton Ave, Brick NJ
08724

Owner [Redacted] e-mail [Redacted]
Tel. [Redacted]

Address 1673 West Princeton Ave, Brick NJ 08724
street municipality zip code

Contractor: Dwyer Refrigeration LLC Tel. (732) 674-8585

Address 159 Manorside Dr e-mail dwyerhvacr@gmail.com
Brick, NJ 08724

Contractor License No. 19HC00053800 Exp. Date 06/30/2018

Home Improvement Contractor Registration No. or Exemption Reason 13VH07083600

Federal Emp. ID No. 455634767 FAX: _____

B. MECHANICAL CHARACTERISTICS

Use Group Present:

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 \$ 500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Mechanical Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Fire.

☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

☐ CA ☐ CCO

Date: 11-26-14

Approved by: [Signature]

INSPECTIONS

Type:

Gas Piping

Appliance

Chimney/Vent

Oil Piping

Oil Tank

LPG Tank

Hydronic Piping

Fireplace

Chimney Cert.

Other: FINAL

DATES

Failure

Failure

Approval

Initial

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.

Sign here: [Signature]

Print name here: Edward Dwyer

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Furnace + AC
Replacement

NO.

FIXTURE/EQUIPMENT

Water Heater

Fuel Oil Piping Connections

Gas Piping Connections

Steam Boiler

Hot Water Boiler

Hot Air Furnace

Oil Tank

LPG Tank

Fireplace

Generator

Other AC

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____



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 836 Lot 36 Qualification Code _____
Work Site Location 1673 West Princeton Ave, Brick NJ
08724

Contractor Name Tro Cavallo
e-mail _____

Address 1673 West Princeton Ave, Brick NJ
street municipality zip code

Contractor: WT Mechanical Tel. _____

Address 12 Orion Dr e-mail _____
Brick NJ 08724

Contractor License No. 12334 Exp. Date 06/30/19

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. _____ FAX: _____

B. MECHANICAL CHARACTERISTICS

Use Group Present: R-5

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 \$ 500

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Mechanical Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

☐ Bldg. ☐ Elec. ☐ Plumb. ☐ Fire.

☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

☒ CA ☐ CCQ

Date: 11-26-19

Approved by: _____

INSPECTIONS

Type: Failure Failure Approval Initial

Gas Piping _____

Appliance _____

Chimney/Vent _____

Oil Piping _____

Oil Tank _____

LPG Tank _____

Hydronic Piping _____

Fireplace _____

Chimney Cert. _____

Other Final 10-7-19 11-22-19

Update +A

Date Received

Control #

Date Issued

Permit #

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.

Sign here: Walter Turck

Print name here: Walter Turck

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Water Heater
Replacement

NO.

FIXTURE/EQUIPMENT

FEE (Office Use Only)

1

Water Heater

\$ _____

Fuel Oil Piping Connections

Gas Piping Connections

Steam Boiler

Hot Water Boiler

Hot Air Furnace

Oil Tank

LPG Tank

Fireplace

Generator

Other

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____



PERMIT UPDATE

Date Update Issued 9/11/19
Control # C-18-000992+A
Permit # +A

19-2390

IDENTIFICATION Block: 836 Lot: 36 Qualifier _____
Work Site Location: 1673 W. PRINCETON AVE. Brick Township, NJ Contractor Dwyer Refrigeration
Address 159 Manorside Dr. Brick NJ 08723
Owner in Fee COVELLO, GIUSEPPE & LINA P
1673 W PRINCETON AVE. BRICK NJ 08724 Telephone: (732) 674-8585
Telephone: _____ Lic. No. or Bldrs. Reg. No. 19HC00053800 13VH07083600
Federal Employee No. 455634767

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:

ALTERATION - RESIDENTIAL ... UPDATE +A - REPLACE WATER HEATER

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 \$500

Daniel F. Newman
Construction Official

3/20/18
Date

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

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

REQUIRED INSPECTIONS

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

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$0
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$75.00
DCA Training Fee	\$1
CO Fee	
Other	\$0
Total	\$76
Check No.	<u>1941</u>
Cash	\$0
Credit	\$0
Collected By	<u>[Signature]</u>



CONSTRUCTION PERMIT

Date Issued 9/11/19
Control # C-18-000992
Permit # _____

19-2390

IDENTIFICATION Block: 836 Lot: 36 Qualifier _____
Work Site Location: 1673 W. PRINCETON AVE. Brick Township, NJ Contractor Dwyer Refrigeration
Address 159 Manorside Dr. Brick NJ 08723
Owner in Fee COVELLO, GIUSEPPE & LINA P
1673 W PRINCETON AVE BRICK NJ 08724 Telephone: (732) 674-8585
Lic. No. or Bldrs. Reg. No. 19HC00053800 13VH07083600
Telephone: _____ Federal Employee. No. 495634767

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:

ALTERATION - RESIDENTIAL ... REPLACE FURNACE & A/C

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

Estimated Cost of Work \$1,000

Daniel F. Neuman
Construction Official

3/26/18
Date

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

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT/CLERK

PAYMENTS (Office Use Only)

Building	<u>500.00</u>	\$0
Electrical	<u>150.00</u>	\$150
Plumbing	<u>0.00</u>	\$0
Fire Protection	<u>0.00</u>	\$0
Elevator Devices	<u>0.00</u>	\$0
Other	<u>200.00</u>	\$200.00
DCA Training Fee	<u>2.00</u>	\$2
CO Fee	<u>0.00</u>	\$0
Other	<u>0.00</u>	\$0
Total	<u>352.00</u>	\$352
Check No.	<u>1911</u>	
Cash	<u>0.00</u>	\$0
Credit	<u>0.00</u>	\$0
Collected By	<u>PW</u>	

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:

- 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.
- Foundations and all walls up to grade level prior to back filling.
- 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.
- 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.



CHIMNEY VERIFICATION FOR REPLACEMENT OF FUEL-FIRED EQUIPMENT

BLOCK 836 LOT 36 QUALIFICATION CODE _____ PERMIT # _____
WORK SITE ADDRESS 1673 West Princeton Ave, Brick NJ 08724
Owner in Fee Joe Covello
Verifying Individual Edward Dwyer Company Dwyer Refrigeration
Address 159 Manorside Dr Brick NJ 08724
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: Size 6"

- ☒ "B" Label Vent ☒ Chimney-Interior
☐ "L" Label Vent ☐ Chimney-Exterior
☐ Flexible Liner ☐ Masonry Chimney-Tile Lined
☐ Power Vent/Exhauster ☐ Masonry Chimney-Unlined
☐ Other _____

Type	Fuel Type	BTU Rating (input/hour)
Appliance 1: <u>Furnace</u>	Oil / Gas / Other: <u>Gas</u>	<u>40,000</u>
Appliance 2: <u>Water Heater</u>	Oil / Gas / Other: <u>Gas</u>	<u>40,000</u>
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 Edward Dwyer

Date 2/16/18

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.

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.

Brick Township

401 Chambers Bridge Road
Brick, NJ 08723
732-262-1030

CORRECTION NOTICE

ADDRESS 1673 W Princeton
PERMIT NUMBER 19-2390 BLOCK 836 LOT 36
OWNER COVELLO

Upon inspection, violations of the ☐ Building ☐ Plumbing ☒ Electric ☐ Fire Code
were in evidence and the following orders are hereby issued for their correction:

- 1) NEW DISCONNECT INSTALLED NEEDED
LICENSED ELECTRICAL CONTRACTOR
- 2) RESET NOT THROUGH CONNECTOR IN DISCONNECT
- 3) CAP OFF ON USED WHITE WIRE IN DISCONNECT

PUMP -

- 1) RECEPTACLE REVERSE POLARITY FOR PUMP.
- 2) STRAP GENT.
- 3) BUSHING END OF GENT TO SERVICE SWITCH

PLEASE CALL FOR INSPECTION WHEN CORRECTIONS HAVE BEEN COMPLETED. ACCEPTANCE AND APPROVAL BY AN INSPECTOR OF THIS DEPARTMENT IS REQUIRED.

DATE 10 7 19 INSPECTOR THOMAS O'HAN



PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

New Jersey Office of the Attorney General

Division of Consumer Affairs
Board of Examiners of Electrical Contractors
124 Halsey Street, 6th Floor, Newark NJ 07102



GURBIR S. GREWAL
Attorney General

PAUL R. RODRIGUEZ
Acting Director

August 21, 2019

Mailing Address:
P.O. Box 45006
Newark, NJ 07101
(973) 504-6410
(973) 504-6534

TO WHOM IT MAY CONCERN

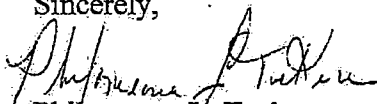
Our records indicate that the holder of License and Business Permit No. 34EB01835200 has applied to the Board of Electrical Contractors for a pressure seal which has not yet been issued to him/her by the vendor.

Please accept this sealed letter as an interim device pending the furnishing of a seal to:

ANDREW C WILLIAMS
ECHELON CONSTRUCTION LLC
443 Tremont Place
Brick NJ 08724

This letter will be rendered invalid **300 days** after the date of its issuance.

Sincerely,


Philameana L. Tucker
Executive Director

PLT:gkb

1673 West Rineator
Ave Brick NJ
08724

RESIDENTIAL REPLACEMENT OF FURNACE/BOILER
(IN LIEU OF MANUAL S)

BOILER REPLACEMENT

OLD BTU INPUT _____ OUTPUT _____ I=B=R OUTPUT _____
NEW BTU INPUT _____ OUTPUT _____ OUTPUT _____

FURNACE REPLACEMENT

OLD BTU INPUT 105 OUTPUT 84
NEW BTU INPUT 40 OUTPUT 38.4

A/C REPLACEMENT

OLD UNIT 36 BTU
NEW UNIT 24 BTU

AND/OR

HEAT LOSS/HEAT GAIN

IF YOU DON'T HAVE OLD UNIT SPECIFICATIONS, YOU WILL HAVE TO
SUBMIT A HEAT LOSS/HEAT GAIN (MANUAL J & MANUAL S)

IF THE NEW UNIT BTU IS LESS THAN THE OLD UNIT BTU YOU WILL HAVE
TO SUBMIT A HEAT LOSS/HEAT GAIN

WE ALSO WILL NEED
COPY OF THE BROCHURE/SPECS OF THE NEW FURNACE/BOILER /AC UNIT
(NOT THE INSTALLATION GUIDE)

CHIMNEY CERTIFICATION (CANNOT BE CERTIFIED BY
HOMEOWNER)

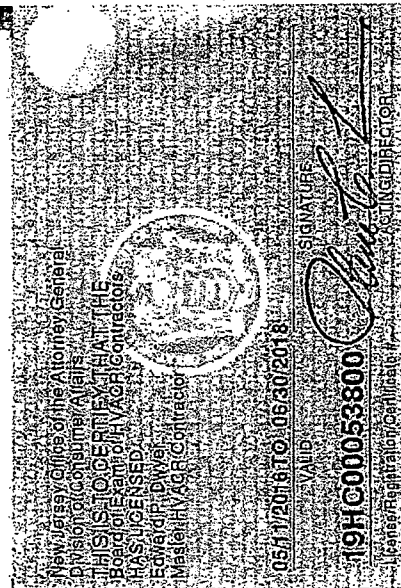
State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Exam. of HVACR Contractors

HAS LICENSED

Edward P. Dwyer
159 Manorside Dr
Brick NJ 08724

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



05/11/2016 TO 06/30/2018
VALID

19HC00053800
LICENSE/REGISTRATION/CERTIFICATION #

Edward P. Dwyer

Signature of Licensee/Registrant/Certificate Holder

ACTING DIRECTOR

PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:
Board of Exam. of HVACR Contractors
P.O. Box 47031
Newark, NJ 07101

PLEASE DETACH HERE

Edward P. Dwyer

EXPIRATION DATE 2018

YOUR LICENSE/REGISTRATION/CERTIFICATE NUMBER IS 19HC 00053800 . PLEASE USE IT IN ALL
CORRESPONDENCE TO THE DIVISION OF CONSUMER AFFAIRS. USE THIS SECTION TO REPORT ADDRESS
CHANGES. YOU ARE REQUIRED TO REPORT ANY ADDRESS CHANGES IMMEDIATELY TO THE ADDRESS NOTED
BELOW.

Board of Exam. of HVACR Contractors
P.O. Box 47031
Newark, NJ 07101

PRINT YOUR NEW ADDRESS OF RECORD BELOW.
YOUR ADDRESS OF RECORD IS THE ADDRESS THAT WILL PRINT ON
YOUR LICENSE/REGISTRATION/CERTIFICATE AND IT MAY BE MADE
AVAILABLE TO THE PUBLIC.

HOME ☐

BUSINESS ☐

PRINT YOUR NEW MAILING ADDRESS BELOW
YOUR MAILING ADDRESS IS THE ADDRESS THAT WILL BE USED BY
THE DIVISION OF CONSUMER AFFAIRS TO SEND YOU ALL
CORRESPONDENCE.

HOME ☐

BUSINESS ☐

TELEPHONE
INCLUDE AREA CODE

TELEPHONE
INCLUDE AREA CODE

If the law governing your profession requires the current license/registration/certificate to be displayed, it should be
within reasonable proximity of your original license/registration/certificate at your principal office or place of business.

Project Information

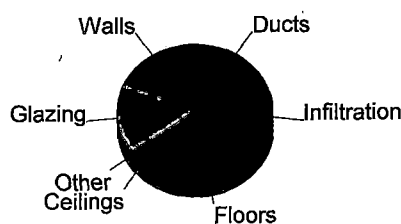
For: Dwyer HVAC
865 Rt 70, Brick, NJ

Design Conditions

Location:		Indoor:		Heating	Cooling
Belmar-Farmingdale, NJ, US		Indoor temperature (°F)		70	75
Elevation: 85 ft		Design TD (°F)		55	13
Latitude: 40°N		Relative humidity (%)		30	50
		Moisture difference (gr/lb)		23.3	33.7
Outdoor:		Heating	Cooling		
Dry bulb (°F)		15	88		
Daily range (°F)		-	20 (M)		
Wet bulb (°F)		-	73		
Wind speed (mph)		15.0	7.5		
		Infiltration:			
		Method		Simplified	
		Construction quality		Average	
		Fireplaces		1 (Average)	

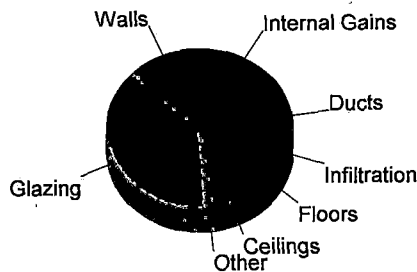
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	5.3	6322	18.1
Glazing	26.0	5943	17.0
Doors	11.5	485	1.4
Ceilings	1.1	1505	4.3
Floors	6.1	8338	23.8
Infiltration	4.2	6157	17.6
Ducts		6273	17.9
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		35022	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.1	2540	12.5
Glazing	34.2	7827	38.5
Doors	5.1	216	1.1
Ceilings	1.0	1313	6.5
Floors	1.4	1971	9.7
Infiltration	0.4	598	2.9
Ducts		2534	12.5
Ventilation		0	0
Internal gains		3320	16.3
Blower		0	0
Adjustments		0	0
Total		20320	100.0



Latent Cooling Load = 2615 Btuh
Overall U-value = 0.158 Btuh/ft²·°F

Data entries checked.

Bold/italic values have been manually overridden



Project Summary

Entire House

Dwyer HVAC

Job: 1673 w. princeton ave
Date: Mar 15, 2018
By:

865 Rt 70, Brick, NJ 08723 Phone: 732-674-8585 Fax: 848-232-1791 Email: dwyerhvac@gmail.com Web: www.dwyerhvac.com

Project Information

For: Dwyer HVAC
865 Rt 70, Brick, NJ

Notes:

Design Information

Weather: Belmar-Farmingdale, NJ, US

Winter Design Conditions

Outside db	15 °F
Inside db	70 °F
Design TD	55 °F

Summer Design Conditions

Outside db	88 °F
Inside db	75 °F
Design TD	13 °F
Daily range	M
Relative humidity	50 %
Moisture difference	34 gr/lb

Heating Summary

Structure	28750 Btuh
Ducts	6273 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	35022 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17785 Btuh
Ducts	2534 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.93
Equipment sensible load	18897 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

Latent Cooling Equipment Load Sizing

Structure	1760 Btuh
Ducts	855 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Equipment latent load	2615 Btuh

	Heating	Cooling
Area (ft²)	1368	1368
Volume (ft³)	10944	10944
Air changes/hour	0.56	0.23
Equiv. AVF (cfm)	102	42

Equipment Total Load (Sen+Lat)	21512 Btuh
Req. total capacity at 0.80 SHR	2.0 ton

Heating Equipment Summary

Make	Comfortmaker
Trade	AIRQUEST, COMFORTMAKER, DAY & ...
Model	G9MXE0401712A*
AHRI ref	6325686

Efficiency	96 AFUE
Heating input	40000 Btuh
Heating output	39000 Btuh
Temperature rise	44 °F
Actual air flow	800 cfm
Air flow factor	0.023 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Comfortmaker
Trade	COMFORTMAKER
Cond	NXA624GKA
Coil	ENH4X31L17**+*9MX*0401712A**
AHRI ref	8206576
Efficiency	13.0 EER, 16 SEER
Sensible cooling	19200 Btuh
Latent cooling	4800 Btuh
Total cooling	24000 Btuh
Actual air flow	800 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.89

Bold/italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Wrightsoft®

Right-Suite® Universal 2017 17.0.28 RSU19667

...Covello, Joe & Lina\1673 princeton manual j.rup Calc = MJ8 Front Door faces: N

2018-Mar-19 14:48:07

Page 1



Manual S Compliance Report

Entire House

Dwyer HVAC

Job: 1673 w.princeton ave
Date: Mar 15, 2018
By: [Signature]

865 Rt 70, Brick, NJ 08723 Phone: 732-674-8585 Fax: 848-232-1791 Email: dwyerhvac@gmail.com Web: www.dwyerhvac.com

Project Information

For: Dwyer HVAC
865 Rt 70, Brick, NJ

Cooling Equipment

Design Conditions

Outdoor design DB:	88.0°F	Sensible gain:	20320	Btuh	Entering coil DB:	75.4°F
Outdoor design WB:	73.0°F	Latent gain:	2615	Btuh	Entering coil WB:	62.8°F
Indoor design DB:	75.0°F	Total gain:	22934	Btuh		
Indoor RH:	50%	Estimated airflow:	800	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split AC		
Manufacturer:	Comfortmaker	Model:	NXA624GKA+ENH4X31L17**+*9MX*0401712A**
Actual airflow:	800 cfm		
Sensible capacity:	19200 Btuh	94% of load	
Latent capacity:	4800 Btuh	184% of load	
Total capacity:	24000 Btuh	105% of load	SHR: 80%

Heating Equipment

Design Conditions

Outdoor design DB:	15.0°F	Heat loss:	35022	Btuh	Entering coil DB:	68.5°F
Indoor design DB:	70.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Gas furnace		
Manufacturer:	Comfortmaker	Model:	G9MXE0401712A*
Actual airflow:	800 cfm		
Output capacity:	39000 Btuh	111% of load	Temp. rise: 50 °F

Meets all requirements of ACCA Manual S.



Right-Suite® Universal 2017 17.0.28 RSU19667

...Covello, Joe & Lina\1673 princeton manual j.rup Calc = MJ8 Front Door faces: N

2018-Mar-19 14:48:07

Page 1

Comfortmaker®

Air Conditioning & Heating



NXA6

Performance Series
Product Specifications

HIGH EFFICIENCY 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil
- 48 and 60 models for higher SEER, lower capacity
- 49 and 61 models for higher capacity, lower SEER

EASY TO INSTALL AND SERVICE

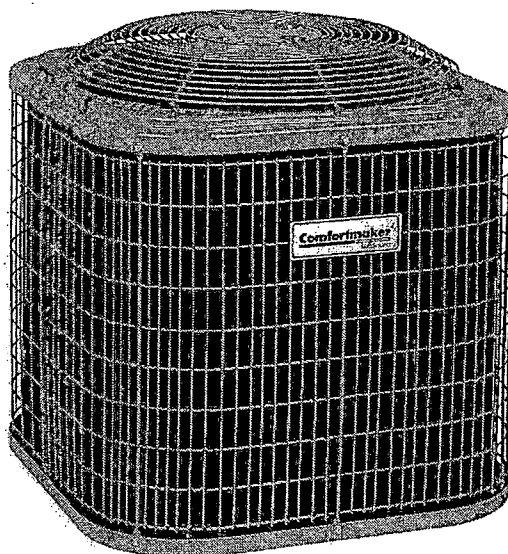
- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection

LIMITED WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
NXA618GKA	1½	18,000	11.8	20	28-11/16 x 25-3/4 x 25-3/4 (729 x 654 x 654)	154 / 125 (70 / 57)
NXA624GKA	2	24,000	17.7	30	28-5/16 x 31-3/16 x 31-3/16 (719 x 792 x 792)	147 / 183 (67 / 83)
NXA630GKA	2½	30,000	16.8	25	32-5/16 x 31-3/16 x 31-3/16 (821 x 792 x 792)	188 / 153 (85 / 69)
NXA636GKA	3	36,000	18.1	30	28-5/16 x 35 x 35 (719 x 889 x 889)	204 / 165 (93 / 75)
NXA642GKA	3½	42,000	23.6	40	39-1/8 x 35 x 35 (994 x 889 x 889)	254 / 213 (115 / 96)
NXA648GKA	4	48,000	26.1	40	39-1/8 x 35 x 35 (994 x 889 x 889)	317 / 264 (144 / 120)
NXA649GKA	4	48,000	28.4	40	39-1/8 x 35 x 35 (994 x 889 x 889)	269 / 231 (122 / 105)
NXA660GKA	5	60,000	28.0	40	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)
NXA661GKA	5	60,000	32.5	50	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)

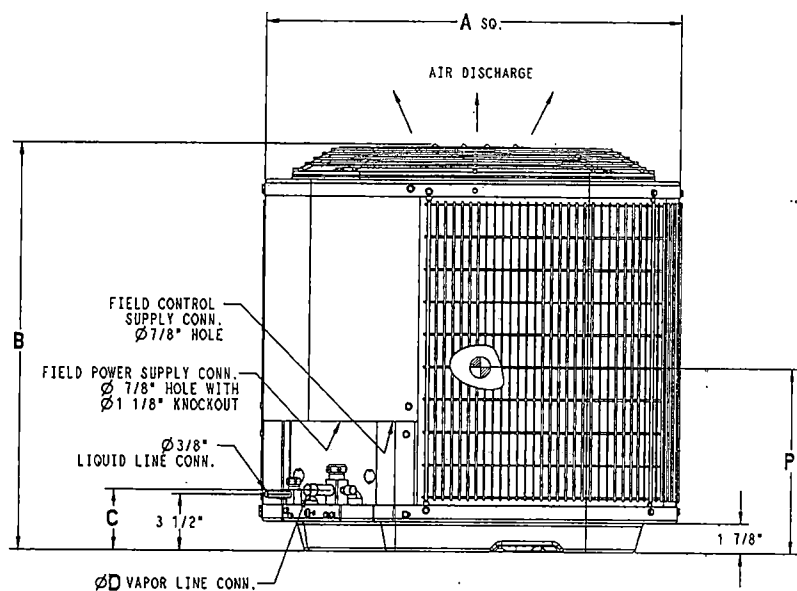
Specifications subject to change without notice.

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)

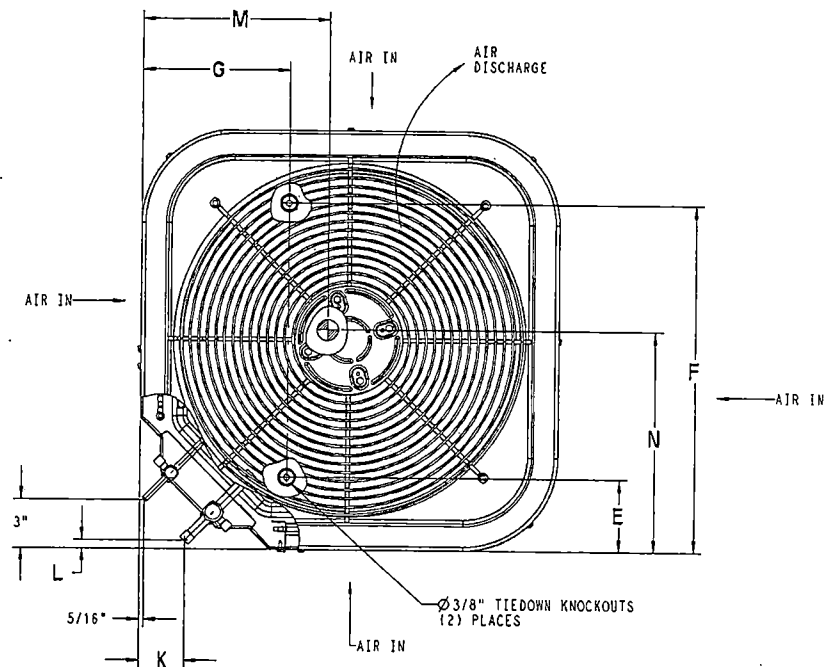
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	N	X	A	6	18	G	K	A	1	0	0
C = Comfortmaker Mainline											
N = Comfortmaker Entry BRANDING											
X = R-410A REFRIGERANT											
A = Air Conditioner											
H = Heat Pump TYPE											
4 = 14 SEER											
6 = 16 SEER NOMINAL EFFICIENCY											
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
49 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons											
61 = 60,000 BTUH = 5 tons NOMINAL CAPACITY											
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal FEATURES											
K = 208/230-1-60 VOLTAGE											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

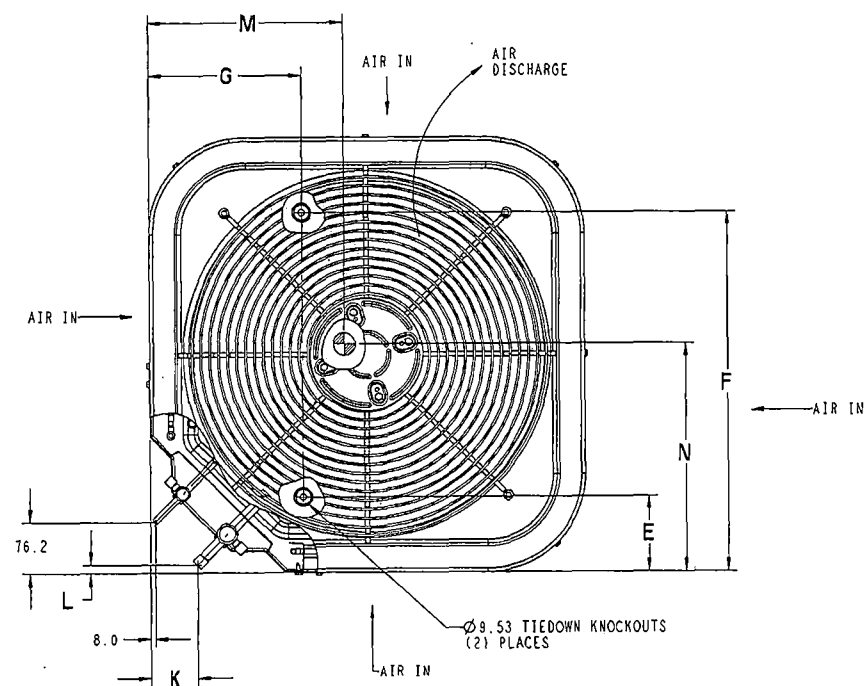
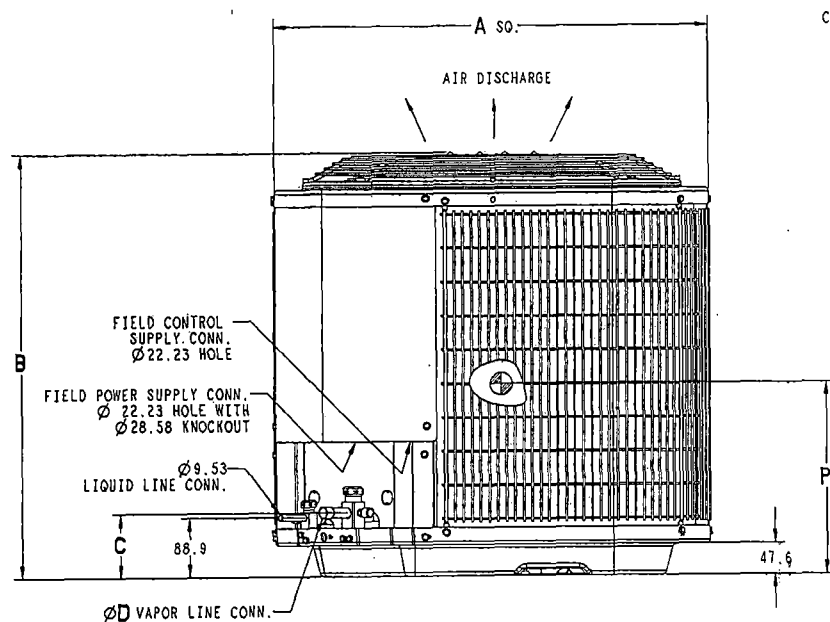
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11
Example Part Number:	N	A	S	A	0	01	01	CH
N = Non-Branded BRANDING								
A = Accessory PRODUCT GROUP								
S = Split System (AC & HP) KIT USAGE								
A = Original								
B = 2nd Generation MAJOR SERIES								
0 = Generic or Not Applicable								
2 = R-22								
4 = R-410A REFRIGERANT								
Product Identifier Number								
Package Quantity								
Type of Kit (Example: CH = Crankcase Heater)								



CENTER OF GRAVITY ⊕



Model	All Dimensions Inches (English)													Crated Dimensions H x W x D
	A	B	C	D	E	F	G	K	L	M	N	P	Minimum Mounting Pad Size	
NXA618GKA	25-3/4	28-11/16	3-3/4	3/4	4-7/16	21-1/4	7-13/16	2-13/16	1/2	13-5/8	13-1/2	12-3/4	26 x 26	32-9/16x30-1/16x26-7/8
NXA624GKA	31-3/16	28-5/16	3-3/4	3/4	6-9/16	24-11/16	9-1/8	2-13/16	1/2	16	16	13	31-1/2 x 31-1/2	32-9/16x35-1/2x32-3/8
NXA630GKA	31-3/16	32-5/16	3-3/4	3/4	6-9/16	24-11/16	9-1/8	2-13/16	1/2	15-1/2	16	14-1/4	31-1/2 x 31-1/2	35-15/16x35-1/2x32-3/8
NXA636GKA	35	28-5/16	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16	16	13	35 x 35	32-9/16x39-5/16x36-1/8
NXA642GKA	35	39-1/8	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16-1/2	17-1/2	17-1/2	35 x 35	42-3/4x39-5/16x36-1/8
NXA648GKA	35	39-1/8	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	17-1/2	16-1/2	15	35 x 35	42-3/4x39-5/16x36-1/8
NXA649GKA	35	39-1/8	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	17-1/2	16-1/2	15	35 x 35	42-3/4x39-5/16x36-1/8
NXA660GKA	35	45-15/16	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16-1/2	17	16-1/4	35 x 35	49-9/16x39-5/16x36-1/8
NXA661GKA	35	45-15/16	3-7/8	7/8	6-9/16	28-7/16	9-1/8	2-15/16	5/8	16-1/2	17	16-1/4	35 x 35	49-9/16x39-5/16x36-1/8



Model	Dimensions mm (SI Metric)												Minimum Mounting Pad Size	Crated Dimensions H x W x D
	A	B	C	D	E	F	G	K	L	M	N	P		
NXA618GKA	654	729	95	19	113	540	198	71	13	346	343	324	660 x 660	827 x 764 x 683
NXA624GKA	792	719	95	19	167	627	232	71	13	406	406	330	800 x 800	827 x 902 x 822
NXA630GKA	792	821	95	19	167	627	232	71	13	394	406	362	800 x 800	913 x 902 x 822
NXA636GKA	889	719	98	22	167	722	232	75	16	406	406	330	889 x 889	827 x 999 x 918
NXA642GKA	889	994	98	22	167	722	232	75	16	419	445	445	889 x 889	1086 x 999 x 918
NXA648GKA	889	994	98	22	167	722	232	75	16	445	419	381	889 x 889	1086 x 999 x 918
NXA649GKA	889	994	98	22	167	722	232	75	16	445	419	381	889 x 889	1086 x 999 x 918
NXA660GKA	889	1167	98	22	167	722	232	75	16	419	431	413	889 x 889	1259 x 999 x 918
NXA661GKA	889	1167	98	22	167	722	232	75	16	419	431	413	889 x 889	1259 x 999 x 918

PRODUCT SPECIFICATIONS
Split System Air Conditioner: NXA6
PHYSICAL DATA

Model Size	18	24	30	36	42	48	49	60	61
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	48,000	60,000	60,000
Nominal SEER	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Sound Rating (dBA)**	76	76	76	76	78	78	78	78	79
PSC Fan Motor HP	1/12	1/10	1/10	1/12	1/5	1/4	1/4	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	830	830	830	830	830	830
Fan CFM	1900	2600	2600	3200	3800	4100	4100	4100	4100
Coil Face Area ft ² (m ²)	11.47 (1.1)	15.07 (1.4)	17.22 (1.6)	17.58 (1.6)	25.12 (2.3)	25.12 (2.3)	25.12 (2.3)	30.15 (2.8)	30.15 (2.8)
Coil Rows - fins per inch	1 - 25	1 - 25	1 - 25	1 - 25	1 - 25	2 - 20	1 - 25	2 - 20	2 - 20
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Rated Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Rated Line Set Vapor Tube Diameter in. (mm)	3/4 (19) *	3/4 (19) *	3/4 (19) *	7/8 (22)*	7/8 (22)*	7/8 (22)*	7/8 (22)*	1-1/8 (29)*	1-1/8 (29)*
Factory Charge R-410A lbs. (kg)	4.61 (2.09)	6.00 (2.72)	6.81 (3.09)	7.00 (3.18)	8.62 (3.91)	13.00 (5.90)	9.00 (4.08)	14.50 (6.58)	14.50 (6.58)
Required Subcooling °F (°C)	10 (6)	10 (6)	10 (6)	10 (6)	9 (5)	8 (4)	8 (4)	9 (5)	9 (5)
Weight, shipping lbs. (kg)	154 (70)	183 (83)	188 (85)	204 (93)	254 (115)	317 (144)	269 (122)	310 (141)	310 (141)
Weight, operating lbs. (kg)	125 (57)	147 (67)	153 (69)	165 (75)	213 (96)	264 (120)	231 (105)	272 (123)	272 (123)

* Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset. **Note:** See unit Installation Instruction for proper installation.

ELECTRICAL DATA (208/230-1-60, voltage range 197V - 253V)

Model Size	18	24	30	36	42	48	49	60	61
Minimum Circuit Ampacity - MCA (amps)	11.8	17.7	16.8	18.1	23.6	26.1	28.4	28.0	32.5
Maximum OverCurrent Protective device - MOCP (amps)	20	25	25	30	40	40	40	40	50
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	9.0 48.0	13.5 58.3	12.8 64.0	14.1 77.0	17.9 112.0	19.9 109.0	21.8 117.0	21.4 135.0	25.0 134.0
Fan Motor FLA (Full Load Amps)	.50	.75	.75	.50	1.2	1.2	1.2	1.2	1.2

**Sound Rating tested in accordance with AHRI Standard 270-08 (not listed with AHRI).

REFRIGERANT CHARGE ADJUSTMENTS

Liquid Line Size	R-410A Charge oz/ft
3/8	0.60 (Factory charge for lineset = 9 oz)
5/16	0.40
1/4	0.27

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz. When using other length or diameter liquid lines, charge adjustments are required per the chart above.

Charging Formula:

$[(\text{Lineset oz/ft} \times \text{total length}) - (\text{factory charge for lineset})] = \text{charge adjustment}$

Example 1: System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula: $(.27 \text{ oz/ft} \times 15\text{ft}) - (9 \text{ oz}) = (-4.95) \text{ oz.}$

Net result is to remove 4.95 oz of refrigerant from the system

Example 2: System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: $(.40 \text{ oz/ft.} \times 45\text{ft}) - (9 \text{ oz.}) = 9 \text{ oz.}$

Net result is to add 9 oz of refrigerant to the system

LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units. For Air Conditioner systems, the charts below shows when an application requires a TXV and long line accessories due to lineset length.

AC with R-410A Refrigerant Long Line Description ft (m) Beyond these lengths, a TXV is required

Total Length	Outdoor Unit Above or Below Indoor Unit
TXV required beyond 50 ft. (15.2 m)	TXV required beyond 20 ft. (6.1 m)

AC with R-410A Refrigerant Long Line Description ft (m) (Beyond these lengths, long line accessories are required)

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4 + TXV	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16 + TXV	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8 + TXV	80 (24.4)	35 (10.7) vertical or 80 (24.4) total	80 (24.4)

Note: See Long Line Guideline for details

R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS													
Model Size	Liquid Line in.(mm)	Acceptable Vapor Line Sizes in. (mm)	Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m) Refer to Long Line Application Guideline to calculate equivalent length										
			Standard Application			Long Line Application (Requires Accessories)							
			25' (7.6)	50' (15.2)	80' (24.4)	81' (24.7)	100' (30.5)	125' (38.1)	150' (45.7)	175' (53.3)	200' (61)	225' (68.6)	250' (76.2)
18	3/8 (10)	1/2 (13)	1	2	3	3	4	6	7	8	9	10	12
		5/8 (16)	0	0	1	1	1	1	2	2	3	3	3
		3/4 (19)	0	0	0	0	0	1	1	1	1	1	1
24		5/8 (16)	0	1	1	1	2	3	3	4	4	5	6
		3/4 (19)	0	0	0	0	0	1	1	1	1	1	2
		7/8 (22)	0	0	0	0	0	0	0	0	0	0	1
30		5/8 (16)	1	2	3	3	3	4	5	6	7	8	9
		3/4 (19)	0	0	1	1	1	1	2	2	2	3	3
		7/8 (22)	0	0	0	0	0	1	1	1	1	1	1
36		5/8 (16)	1	2	4	4	5	6	7	9	10	11	13
		3/4 (19)	0	0	1	1	1	2	2	3	3	4	4
		7/8 (22)	0	0	0	0	0	1	1	1	1	2	2
42		3/4 (19)	0	1	2	2	2	3	4	4	5	6	6
		7/8 (22)	0	0	1	1	1	1	2	2	2	3	3
		1-1/8 (29)	0	0	0	0	0	0	0	0	0	0	1
48/49		3/4 (19)	0	1	2	2	3	4	5	5	6	7	8
		7/8 (22)	0	0	1	1	1	2	2	2	3	3	4
		1-1/8 (29)	0	0	0	0	0	0	0	0	1	1	1
60/61		3/4 (19)	1	2	4	4	5	6	7	9	10	11	12
		7/8 (22)	0	1	2	2	2	3	4	4	5	5	6
		1-1/8(29)	0	0	0	0	1	1	1	1	1	1	2

Consult the Long Line Application Guideline document before purchasing/installing line sets.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

TESTED AHRI COMBINATION RATINGS

NOTE: For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org.

New ratings may be listed online before Specification Sheets are updated.

UNIT SIZE	INDOOR MODEL	AHRI STANDARD RATINGS-						FURNACE MODEL
		COOLING						
		CAPACITY	FACTORY ENHANCE	SEER			EER	
STANDARD	TDR			TXV				
18	EN(A,D)4X19*17**	18,000	TXV		14.50		12.00	
24	EN(A,D)4X31*17**	23,600	TXV		14.50		12.00	
30	EN(A,D)4X31*17**	28,600	TXV		14.50		12.00	
36	EN(A,D)4X37*17**	34,400	TXV		14.50		12.00	
42	EN(A,D)4X43*24**	41,000	TXV		14.50		12.00	
48	*ED*4X60L**	46,000	TXV		14.50		12.00	
49	*ED*4X60L**	48,000	TXV		14.00		11.50	
60	EN(A,D)4X61*24**	56,500	TXV		14.50		12.00	

AHRI — Air Conditioning, Heating & Refrigeration Institute

EER — Energy Efficiency Ratio — 80°F (26.6°C) indoor db/67°F (19.4°C) indoor wb & 95°F (35°C) outdoor wb.

SEER — Seasonal Energy Efficiency Ratio

TDR — Time-Delay Relay. In most cases, only one method should be used to achieve TDR function. Using more than one method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay or a furnace equipped with TDR. Most ICP furnaces are equipped with TDR.

NOTES:

- Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
- Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
- Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
- Do not apply with capillary tube coils as performance and reliability are significantly affected.

TESTED AHRI COMBINATION RATINGS*

NOTE: Ratings contained in this document are subject to change at any time.

For AHRI ratings certificates, please refer to the AHRI directory. www.ahridirectory.org

Additional ratings and system combinations can be accessed via the Comfortmaker database:

<http://www.icpeqp.com/AHRIratings/ratings.aspx?Brand=Comfortmaker>

Or scan this QR code:



ACCESSORY USAGE GUIDELINES

Accessory	REQUIRED FOR LOW-AMBIENT APPLICATIONS {Below 55°F (13°C)}	REQUIRED FOR LONG-LINE APPLICATIONS*
Crankcase Heater	Yes	Yes
Evaporator Freeze Thermostat	Yes	No
Winter Start Control	Yes**	No
TXV	Yes	Yes†
Hard Start Kit (Capacitor & Relay)	Yes	Yes
Low Ambient Kit (Pressure Switch)	Yes	No
Support Feet, 4" (102mm) tall	Recommended	No

* Refer to the Long Line Application Guideline document.

** Can only be installed in conjunction with the Low Pressure Switch

† TXV required beyond 20 ft (6.1m) vertical separation or 50 ft (15.2) total length.

ACCESSORIES

Part Number	Description	Used On Model Size
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V)	18, 24, 30, 36
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	42, 48, 49, 60, 61 *
NASA001SC	Start Component - PTC Device	ALL
NASA00201FS	Evaporator Freeze Thermostat	ALL
NASA403PS	Low Pressure Switch, AC, R-410A	ALL
NASA404PS	High Pressure Switch, AC or HP, R-410A	ALL
NASA401LS	Liquid Line Solenoid Valve, R-410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA00201WS	Winter Start Control	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL
NASA005SC	Hard Start Kit (Capacitor & Relay)	ALL
NASA401LA	Low Ambient Kit (Pressure Switch), R-410A	ALL
NASA001SF	Support Feet, 4" (102mm) tall	ALL
NASA001SJ	Sound Jacket, Compressor	18, 24, 30, 36, 42, 48, 49
NASA003SJ	Sound Jacket, Compressor	60, 61
NAEA40501TX	TXV Kit, R-410A - 2010 and later Piston Coils	18, 24, 30
NAEA40601TX	TXV Kit, R-410A - 2010 and later Piston Coils	36, 42
NAEA40701TX	TXV Kit, R-410A - 2010 and later Piston Coils	48, 49, 60, 61
EBAC05TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	18, 24, 30
EBAC06TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	36, 42
EBAC07TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	48, 49, 60, 61

* Some models may be factory installed.

Up to 96% AFUE, Single Stage, ECM Gas Furnace

EASIER TO SELL

- Up to 96% AFUE in upflow and horizontal positions
95% AFUE in downflow position
- California NOx approved
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning application (0601412 through 1202422) with accessory (order separately)
- Approved for Manufactured Housing/Mobile Home applications (0401410 through 1202420) with accessory (order separately)
- Dehumidification feature in cooling
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High quality, corrosion-resistant, prepainted steel cabinet

QUIETER

- Fully insulated blower compartment

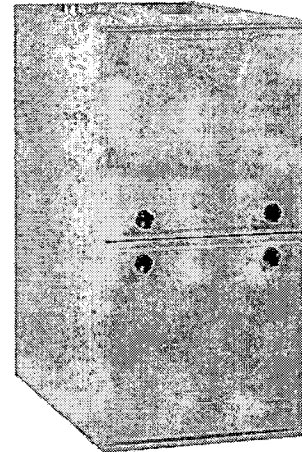
EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

LIMITED WARRANTY *

- 1 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

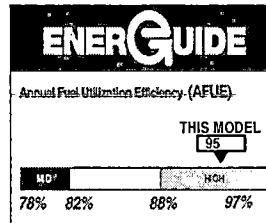
* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



Illustrations and photographs are only representative.
Some product models may vary.

WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
Failure to follow this warning could result in personal injury, death, and/or property damage.
This furnace is not designed for use in recreation vehicles or outdoors. This furnace is designed for use in manufactured (Mobile) homes when an optional Mobile Home accessory kit is installed.
Failure to follow this warning could result in personal injury, death, and/or property damage.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Input (MBTUH)	Efficiency AFUE		ENERGY STAR	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Dimensions H x W x D Inches (Millimeters)	Shipping Wt. Lbs (Kg)
		Upflow/Hz	Downflow				
G9MXE0261410A	26,000	96.0%	95.0%	✓	375-895	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	118 (54)
G9MXE0401410A	40,000	96.0%	95.0%	✓	385-925	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	120 (54)
G9MXE0401712A	40,000	96.0%	95.0%	✓	330-1085	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	135 (61)
G9MXE0601412A	60,000	95.5%	95.0%	✓	620-1090	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	136 (62)
G9MXE0601714A	60,000	96.0%	95.0%	✓	530-1505	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	141 (63)
G9MXE0801716A	80,000	96.0%	95.0%	✓	920-1610	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (68)
G9MXE0802120A	80,000	96.0%	95.0%	✓	795-2015	35 x 21 x 29-1/2 (889 x 533 x 750)	156 (71)
G9MXE1002120A	100,000	96.0%	95.0%	✓	1105-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	166 (75)
G9MXE1202422A	120,000	96.0%	95.0%	✓	1215-2055	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	190 (86)

PRODUCT SPECIFICATIONS

Gas Furnace: G9MXE

MODEL NUMBER IDENTIFICATION GUIDE

DIGIT POSITION	1	2	3	4	5	6,7,8	9,10	11,12	13	14
G = Mainline	G	9	M	X	E	060	17	14	A	1
N = Entry	EFFICIENCY		POSITION	TYPE	FEATURE	HEAT INPUT	CABINET WIDTH	NOMINAL MAXIMUM COOLING AIRFLOW @ .5 IN. W.C.		
9 = 90+% AFUE										
M = Multiposition										
A = Modulating ECM Variable Speed Blower										
V = ECM Variable Speed										
X = ECM Blower (Speed Select)										
S = Single-stage										
T = Two-stage										
C = Communicating										
E = Extra AFUE Efficiency										
T = Two-Stage										
026 = 26,000 BTU/hr										
040 = 40,000 BTU/hr										
060 = 60,000 BTU/hr										
080 = 80,000 BTU/hr										
100 = 100,000 BTU/hr										
120 = 120,000 BTU/hr										
14 = 14-3/16"										
17 = 17-1/2"										
21 = 21"										
24 = 24-1/2"										
08 = 800 CFM										
10 = 1000 CFM										
12 = 1200 CFM										
14 = 1400 CFM										
16 = 1600 CFM										
20 = 2000 CFM										
22 = 2200 CFM										
SALES (MAJOR) REVISION DIGIT										
ENGINEERING (MINOR) REVISION DIGIT										

ECM—Electronically Commutated Motor

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

DIGIT POSITION	1	2	3	4	5, 6, 7	8, 9	10, 11
N N = Non-Branded	N BRANDING	A	H	B	007	01	FF
A = Accessory							
H = Heating	KIT USAGE						
A = Original	MAJOR SERIES						
B = 2nd Generation							
Product Identifier Number							
Package Quantity							
Type of Kit (Example: FF = Filter Kit)							

PRODUCT SPECIFICATIONS
Gas Furnace: G9MXE
PHYSICAL DATA

UNIT SIZE (NATURAL GAS Ratings)			0261410A	0401410A	0401712A	0601412A	0601714A	0801716A	0802120A	1002120A	1202422A
Input	Heat	(BTUH)	26,000	40,000	40,000	60,000	60,000	80,000	80,000	100,000	120,000
Output	Heat	(BTUH)	25,000	39,000	39,000	58,000	58,000	78,000	78,000	97,000	117,000
Efficiency	Upflow/Hz AFUE % (ICS)		96.0			95.5	96.0				
	Downflow AFUE % (ICS)		95.0								
Certified Temperature Rise Range °F (°C)			25-55 (14-31)	40-70(22-39)		35-65 (19-36)	40-70(22-39)				

ICS — Isolated Combustion System

AIRFLOW CAPACITY AND BLOWER DATA

UNIT SIZE		0261410A	0401410A	0401712A	0601412A	0601714A
Rated External Static Pressure in.w.c.(kPa)	Heating	.10 (.025)	.10 (.025)	.10 (.025)	.12 (.030)	.12 (.030)
	Cooling	.5 (.125)				
Airflow Delivery @ Rated ESP (CFM)	Heating	605	695	705	940	1000
	Cooling	895	925	1085	1090	1505
Cooling Capacity (tons) @ 400, 350 CFM/ton	400 CFM/ton	2	2	2.5	2.5	3.5
	350 CFM/ton	2.5	2.5	3	3	4
Direct-Drive Motor Type		Electronically Commutated Motor ECM				
Direct-Drive Motor HP		1/3	1/2	1/2	1/2	3/4
Motor Full Load Amps		4.4	6.8	6.8	6.8	9.9
RPM Range		400-1200	600 - 1200			
Speed Selections		5				
Blower Wheel Dia x Width	inches	11 x 7	11 x 7	11 x 8	11 x 7	11 x 8
Air Filtration System		Field Supplied				
Filter Used for Certified Watt Data		NAHA00506FB				

UNIT SIZE		0801716A	0802120A	1002120A	1202422A
Rated External Static Pressure in w.c.(kPa)	Heating	.15 (.038)	.15 (.038)	.20 (.050)	.20 (.050)
	Cooling	.5 (.125)			
Airflow Delivery @ Rated ESP (CFM)	Heating	1360	1360	1700	2125
	Cooling	1610	2015	2110	2055
Cooling Capacity (tons) @ 400, 350 CFM/ton	400 CFM/ton	4	5	5	5
	350 CFM/ton	4.5	5.5	6	6
Direct-Drive Motor Type		Electronically Commutated Motor ECM			
Direct-Drive Motor HP		3/4	1	1	1
Motor Full-Load-Amps		9.3	12.3	12.6	11.1
RPM Range		600 - 1200			
Speed Selections		5			
Blower Wheel Dia x Width		11 x 8	11 x 10	11 x 10	11 x 11
Air Filtration System		Field Supplied			
Filter Used for Certified Watt Data		NAHA00506FB	NAHA00706FB		

CONTROLS

UNIT SIZE		0261410A	0401410A	0401712A	0601412A	0601714A
Gas Connection Size		1/2" - NPT				
Burners (Monoport)		2	2	2	3	3
Gas Valve (Redundant)	Manufacturer	White Rodgers™				
Minimum Inlet Gas pressure in. w.c. (kPa)		4.5 (1.1)				
Maximum Inlet Gas pressure in. w.c. (kPa)		13.6 (3.4)				
Ignition Device		Silicon Nitride				
Limit Control		220	165	180	165	180
Heating Blower Control(Heating Off-Delay)		Adjustable: 90, 120, 150, 180 seconds				
Cooling Blower Control (Time Delay Relay)		90 seconds				
Thermostat Connections		R, W, Y1, Y/Y2, G, DHUM, C				
Accessory Connections		EAC (115vac); HUM (24vac); 1-stg AC (via Y/Y2)				

PRODUCT SPECIFICATIONS
Gas Furnace: G9MXE
CONTROLS (CONT.)

UNIT SIZE	0801716A	0802120A	1002120A	1202422A
Gas Connection Size	1/2" – NPT			
Burners (Monoport)	4	4	5	6
Gas Valve (Redundant)	White Rodgers™			
Minimum Inlet Gas pressure in. w.c. (kPa)	4.5 (1.1)			
Maximum Inlet Gas pressure in. w.c. (kPa)	13.6 (3.4)			
Ignition Device	Silicon Nitride			
Limit Control	170	200	180	160
Heating Blower Control (Heating Off-Delay)	Adjustable: 90, 120, 150, 180 seconds			
Cooling Blower Control (Time Delay Relay)	90 seconds			
Thermostat Connections	R, W, Y1, Y/Y2, G, DHUM, C			
Accessory Connections	EAC (115vac); HUM (24vac); 1-stg AC (via Y/Y2)			

ELECTRICAL DATA

UNIT SIZE		0261410A	0401410A	0401712A	0601412A	0601714A
Input Voltage (Volts–Hertz–Phase)		115–60–1				
Operating Voltage Range	Min.–Max	104 – 127				
Maximum Input Amps	Amps	5.1	7.5	7.5	7.6	10.7
Unit Ampacity	Amps	7.3	10.3	10.3	10.4	14.3
Minimum Wire Size	AWG	14	14	14	14	14
Maximum Wire Length @ Min Wire Size	Feet (M)	51 (15.5)	36 (11.0)	36 (11.0)	35 (10.7)	26 (7.9)
Maximum Fuse/Circuit Breaker (Time–Delay Type Recommended)	Amps	15	15	15	15	15
Transformer Capacity		24 VAC Output / 40 VA				
External Control Power Available	Heating	27.9 VA				
	Cooling	34.6 VA				

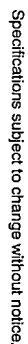
UNIT SIZE		0801716A	0802120A	1002120A	1202422A
Input Voltage (Volts-Hertz-Phase)		115-60-1			
Operating Voltage Range	Min.-Max	104 – 127			
Maximum Input Amps	Amps	10.1	13.1	13.5	12.0
Unit Ampacity	Amps	13.5	17.3	17.7	15.9
Minimum Wire Size	AWG	14	12	12	12
Maximum Wire Length @ Min Wire Size	Feet (M)	27 (8.2)	33 (10.1)	32 (9.8)	36 (11.0)
Maximum Fuse/Circuit Breaker (Time-Delay Type Recommended)	Amps	15	20	20	20
Transformer Capacity		24 VAC Output / 40 VA			
External Control Power Available	Heating	27.9 VA			
	Cooling	34.6 VA			

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS FOR ALL UNITS

POSITION	CLEARANCE In(mm)
REAR	0
FRONT (Combustion air openings in furnace and in structure)	1 (25)
Required for service	*24 (610)
All Sides of Supply Plenum	*1 (25)
Sides	0
Vent	0
Top of Furnace	1 (25)

* Consult your local building codes.

FURNACE SIZE	A CABINET WIDTH	B OUTLET WIDTH	C BOTTOM INLET WIDTH	D AIR INTAKE	SHIP WT. LB (KG)
0261410	14-3/16 (361)	12-1/2 (319)	12-9/16 (322)	7-1/8 (181)	118 (54)
0401410	14-3/16 (361)	12-1/2 (319)	12-9/16 (322)	7-1/8 (181)	120 (54)
0401712	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	135 (61)
0601412	14-3/16 (361)	12-1/2 (319)	12-9/16 (322)	7-1/8 (181)	136 (62)
0601714	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	141 (63)
0801716	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	151 (68)
0802120	21 (533)	19-3/8 (492)	19-1/2 (495)	10-1/2 (267)	156 (71)
1002120	21 (533)	19-3/8 (492)	19-1/2 (495)	10-1/2 (267)	166 (75)
1202422	24-1/2 (622)	22-7/8 (581)	23 (584)	12-1/4 (311)	190 (86)



440 41 4312 04

1. Doors may vary by model.
2. Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
 - a. For 800 CFM-16-in. (406 mm) round or 14 1/2 x 12-in. (368 x 305 mm) rectangle.
 - b. For 1200 CFM-20-in. (508 mm) round or 14 1/2 x 19 1/2-in. (368 x 495 mm) rectangle.
 - c. For 1600 CFM-22-in. (559 mm) round or 14 1/2 x 22 1/16-in. (368 x 560mm) rectangle.
 - d. Return air above 1800 CFM at 0.5 in. w.c. ESP on 24.5" casing, requires one of the following configurations: 2 sides, 1 side and a bottom or bottom only. See Air Delivery table in this document for specific use to allow for sufficient airflow to the furnace.
3. Vent and Combustion air pipes through blower compartment must use accessory "Vent Kit - Through the Cabinet". See accessory list for current part number.



NOTE: ALL DIMENSIONS IN INCH [MM]

AIR DELIVERY – CFM (with filter)												
UNIT SIZE	RETURN-AIR CONNECTION	SPEED TAPS ^{2,3}	EXTERNAL STATIC PRESSURE (IN.W.C.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0261410	SIDE/BOTTOM	Black	1045	1010	975	935	895	855	810	760	715	670
		Yellow	820	770	730	680	630	585	530	480	435	385
		Orange	655	600	550	495	435	385	335	265	– ⁶	– ⁶
		Blue	605	545	490	435	375	335	255	– ⁶	– ⁶	– ⁶
		Red	480	415	360	305	235	– ⁶	– ⁶	– ⁶	– ⁶	– ⁶
0401410	SIDE/BOTTOM	Gray	1120	1080	1030	980	925	875	820	760	690	630
		Yellow	880	845	810	780	740	710	680	640	615	570
		Blue	695	665	620	575	535	495	455	420	370	280
		Orange	640	595	540	495	460	420	370	310	260	230
		Red	570	525	475	425	385	330	255	220	– ⁶	– ⁶
0401712	SIDE/BOTTOM	Gray	1255	1220	1175	1130	1085	1040	990	940	880	825
		Yellow	940	905	870	840	805	770	735	695	665	630
		Blue	705	670	630	575	540	500	455	410	380	325
		Orange	580	535	480	425	380	335	290	235	– ⁶	– ⁶
		Red	555	485	425	375	330	280	215	– ⁶	– ⁶	– ⁶
0601412	SIDE/BOTTOM	Gray	1265	1225	1185	1140	1090	1030	975	920	850	760
		Yellow	1115	1085	1060	1030	1000	970	930	880	810	715
		Orange	1000	970	940	910	880	845	815	770	735	695
		Blue	945	915	885	855	820	785	745	705	675	635
		Red	770	740	700	660	620	575	540	500	455	415
0601714	SIDE/BOTTOM	Gray	1720	1670	1620	1565	1505	1440	1375	1295	1220	1135
		Yellow	1325	1285	1255	1220	1185	1145	1115	1075	1040	1000
		Blue	1010	970	925	875	835	785	745	690	660	620
		Orange	1160	1115	1080	1045	1000	960	920	875	840	785
		Red	785	715	655	595	530	490	435	385	340	285
0801716	SIDE/BOTTOM	Gray	1810	1770	1720	1665	1610	1540	1475	1400	1315	1235
		Yellow	1535	1500	1475	1435	1405	1370	1340	1310	1245	1160
		Blue	1380	1340	1305	1270	1240	1200	1165	1130	1090	1050
		Orange	1180	1130	1095	1060	1015	975	935	895	850	800
		Red	1100	1045	1010	970	920	885	845	790	745	690
0802120	BOTTOM or TWO-SIDES ^{4, 5}	Gray	2290	2225	2155	2090	2015	1930	1845	1750	1640	1515
		Yellow	1810	1760	1725	1685	1640	1600	1555	1520	1480	1415
		Blue	1385	1340	1285	1240	1200	1140	1090	1050	995	950
		Orange	1560	1520	1475	1430	1385	1335	1295	1240	1200	1150
		Red	1055	985	910	860	795	750	680	615	565	495
1002120	BOTTOM or TWO-SIDES ^{4, 5}	Gray	2340	2295	2250	2195	2110	2030	1935	1835	1725	1605
		Yellow	1950	1900	1855	1800	1755	1705	1655	1605	1560	1485
		Blue	1750	1700	1650	1605	1555	1500	1455	1395	1350	1300
		Orange	1570	1520	1460	1410	1350	1300	1240	1195	1140	1095
		Red	1350	1280	1225	1155	1105	1045	1000	950	895	830
1202422	BOTTOM or TWO-SIDES ^{4, 5}	Gray	2275	2230	2185	2130	2055	1950	1825	1710	1610	1500
		Yellow	1875	1820	1770	1720	1660	1600	1550	1505	1450	1390
		Blue	2170	2125	2075	2025	1975	1900	1790	1695	1590	1470
		Orange ³	1475	1420	1350	1280	1215	1165	1105	1050	995	930
		Red ³	1625	1565	1505	1445	1385	1325	1275	1225	1170	1130

NOTE:

1. A filter is required for each return-air inlet. Airflow performance includes a 3/4 in. (19 mm) washable filter media such as contained in factory-authorized accessory filter rack. See accessory list. To determine airflow performance without this filter, assume an additional 0.1 in. W.C. available external static pressure.
2. ADJUST THE BLOWER SPEED TAPS AS NECESSARY FOR THE PROPER AIR TEMPERATURE RISE FOR EACH INSTALLATION.
3. Shaded areas indicate that this airflow range is BELOW THE RANGE ALLOWED FOR HEATING OPERATION. **THESE AIRFLOW RANGES MAY ONLY BE USED FOR COOLING.**
4. Airflow over 1800 CFM require bottom return, two-side return, or bottom and side return. A minimum filter size of 20" x 25" is required.
5. For upflow applications, air entering from one side into both the side of the furnace and a return air base counts as a side and bottom return.
6. The "–" entry indicates an unstable operating condition.

			ACCESSORIES								
PART NUMBER	COMPONENT NAME	DESCRIPTION	0261410	0401410	0401712	0601412	0601714	0801716	0802120	1002120	1202422
NAHB00101CT	EXTERNAL TRAP KIT	CONDENSATE TRAP	X	X	X	X	X	X	X	X	X
NAHA00110DA	DRAIN ACCESSORY	1/2" CPVC TO 3/4" PVC (10 PACK)	X	X	X	X	X	X	X	X	X
NAHA002CV	VENT TERMINATION KIT	2" CONCENTRIC VENT	X	X	X	X	X	X	X	X	
NAHA001CV		3" CONCENTRIC VENT				X	X	X	X	X	X
NAHA00101VC	INTERNAL VENT KIT	THROUGH THE CABINET	X	X	X	X	X	X	X	X	X
NAHA00301VT	DIRECT VENT	2" BRACKET	X	X	X	X	X	X	X	X	
NAHA00401VT	TERMINATION KIT	3" BRACKET				X	X	X	X	X	X
NAHA00101CK	INLET AIR PIPE COUPLING	COUPLING FOR POLYPROPYLENE VENT SYSTEMS	X	X	X	X	X	X	X	X	X
NAHA00101HV	HORIZONTAL INSTALLATION KIT	TRAP GROMMET (DIRECT VENT APPLICATION ONLY)	X	X	X	X	X	X	X	X	X
NAHA00101HH	FREEZE PROTECT KIT	CONDENSATE DRAIN LINE - TAPE	X	X	X	X	X	X	X	X	X
NAHA00201HH	CONDENSATE FREEZE PROTECT KIT	CONDENSATE TRAP WITH HEAT PAD	X	X	X	X	X	X	X	X	X
NAHA01101SB	FLOOR BASE KIT	COMBUSTIBLE FLOOR	X	X	X	X	X	X	X	X	X
NAHD00901LP*	GAS CONVERSION KIT	NATURAL TO PROPANE		X	X	X	X	X	X	X	X
NAHD00901NG*		PROPANE TO NATURAL		X	X	X	X	X	X	X	X
NAHA01201LP*	GAS CONVERSION KIT	NATURAL TO PROPANE	X								
NAHA01201NG*		PROPANE TO NATURAL	X								
NAHB00101MH*	MANUFACTURED HOME KIT	GAS CONVERSION KIT		X	X	X	X	X	X	X	X
NAHA00701WK	TWINNING KIT	OPERATION OF TWO IDENTICAL SIZE MODEL FURNACES				X	X	X	X	X	X
NAHA00506FB†	WASHABLE FILTER PACK	WASHABLE FILTER 1" X 16" X 25" (6 PACK)	X	X	X	X	X	X			
NAHA00706FB		WASHABLE FILTER 1" X 24" X 25" (6 PACK)							X	X	X
NAHB00501FF	EXTERNAL BOTTOM FILTER RACK	14" X 25" WASHABLE FILTER INCLUDED	X	X		X					
NAHB00601FF		17-1/2" X 25" WASHABLE FILTER INCLUDED			X		X	X			
NAHB00701FF		21" X 25" WASHABLE FILTER INCLUDED							X	X	
NAHB00801FF		24-1/2" X 25" WASHABLE FILTER INCLUDED									X
NAHA01001FF	SIDE FILTER RACK (NOT ADJUSTABLE)	16" X 25" RACK - FILTER NOT INCLUDED	X	X	X	X	X	X	X	X	X
NAHB00101CA	COIL ADAPTER KIT	WITH NO OFFSET	X	X	X	X	X	X	X	X	X
NAHB00201CA		WITH SINGLE OFFSET	X	X	X	X	X	X	X	X	X
NAHB00301CA		WITH DOUBLE OFFSET	X	X	X	X	X	X	X	X	X
NAHA01401RA	RETURN AIR KIT	14-3/16" WIDE	X	X		X					
NAHA01701RA		17-1/2" WIDE			X		X	X			
NAHA02101RA		21" WIDE							X	X	
NAHA02401RA		24-1/2" WIDE									X
NAHA001NK	CONDENSATE NEUTRALIZER KIT	NEUTRALIZES CONDENSATE	X	X	X	X	X	X	X	X	X

X Accessory available
† Suitable for side return filter rack and 17 inch external bottom filter rack.
* Factory authorized and field installed. Gas conversion kits are CSA recognized.

Part Number	Gas Type	Orifice Size
1185612	Natural	42
1176928	Natural	43
1185574	Natural	44
1177213	Natural	45

Part Number	Gas Type	Orifice Size
1183809	Natural	46
1185613	Natural	47
1185614	Natural	48

Part Number	Gas Type	Orifice Size
1184256	Propane	54
1185615	Propane	55
1185616	Propane	56
1185617	Propane	1.25 mm
1185618	Propane	1.30 mm

Residential Power Vent Gas Water Heater

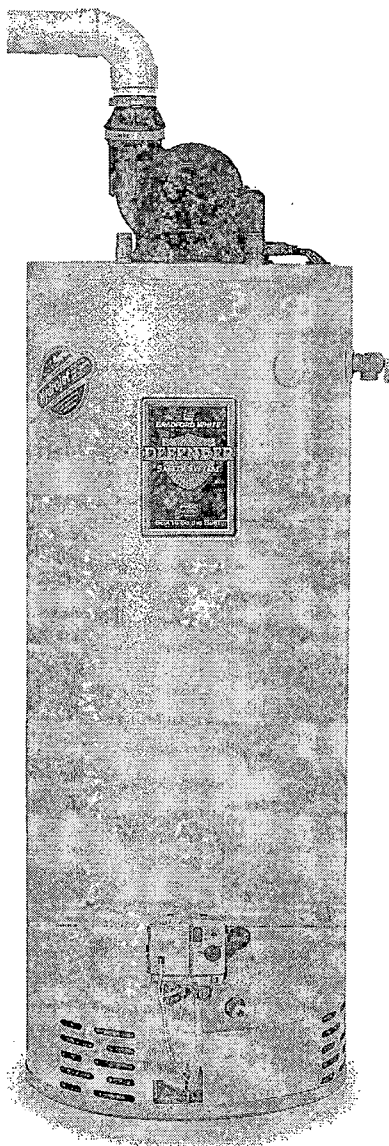
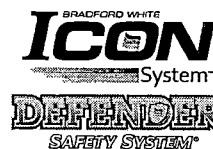


Photo is of
RG2PV50H6N

FEATURING:



The TTW® Models Feature:

- **ENERGY STAR® Qualified**—Some models meet or exceed requirements for ENERGY STAR® per the latest ENERGY STAR® criteria revision, as well as most utility rebate programs.
- **Bradford White ICON System™**—Intelligent gas control with spark to pilot ignition system eliminates the constant burning pilot. This results in savings of pilot gas during standby periods (120 VAC).
 - **Enhanced Performance**—Proprietary algorithms provide enhanced First Hour Rating and tighter temperature differential.
 - **Advanced Temperature Control System**—Microprocessor constantly monitors and controls burner operation to maintain consistent and accurate water temperature levels.
 - **Intelligent Diagnostics**—An exclusive green LED light prompts the installer during start-up and provides ten different diagnostic codes to assist in troubleshooting.
 - **Pilot On Indication**—Flashing green LED provides positive indication that pilot is on.
 - **Separate Immersed Thermowell**—High-strength advanced polymer composite thermowell provides isolation between electric temperature sensor and surrounding water. No need to drain the tank when removing gas valve.
- **Power Vent Water Heater**—Designed for installations where atmospheric units cannot be used. Exhaust gases are vented under positive pressure directly out of the building through the roof or the wall.
- **Powerful Blower Motor**—Our significantly quiet design has greater resistance to outside winds and the power to vent in many difficult venting situations.
 - **Ten Foot Power Cord**—Included (120 VAC).
- **Horizontal and Vertical Venting**—PVC, ABS or CPVC (Maximum equivalent vent length on reverse side).
- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater (excluding RG1PV55H6N & RG2PV75H6N).
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected. The sensor will also prevent operation if there is ongoing flammable vapors burning inside the combustion chamber (excluding RG1PV55H6N & RG2PV75H6N).
- **Maintenance-Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions (excluding RG1PV55H6N & RG2PV75H6N).
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is used to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—Non-CFC foam covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **3/4" (19mm) NPT Side Connections**—(RG2PV50H6N, RG1PV55H6N, and RG2PV75H6N only).
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Rod**—(RG1PV55H6N has 2).
- **T&P Relief Valve**—Installed.
- **Thermostatic Mixing Valve (ASSE Approved)**—Included (RG1PV55H6N only).
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **NOx Emissions**—Less than 40 ng/J.

6 or 10-Year Limited Tank Warranties / 6 or 10-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. Defender Safety System®, ScreenLok®, TTW®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Residential Power Vent Gas Water Heater

Power Vent Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
80% Recovery Efficiency

Model Number	Nominal Capacity		DOE Rated Storage Volume (Gal.)	Nat. BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise *			
	U.S. Gal.	Imp. Gal.						Nat. U.S. GPH	Nat. Imp. GPH	U.S. GPH	LP Imp. GPH
RG1PV40S6N	40	33	38	40,000	38,000	71	0.63	43	36	41	34
RG1PV50S6N	50	42	48	40,000	38,000	83	0.67	43	36	41	34
★ RG2PV40S6N	40	33	38	40,000	38,000	71	0.67	43	36	41	34
★ RG2PV50S6N	50	42	48	40,000	38,000	83	0.70	43	36	41	34
★ RG2PV40T6N	40	33	38	40,000	40,000	71	0.68	43	36	43	36
★ RG2PV50T6N	50	42	48	40,000	40,000	83	0.71	43	36	43	36
★ RG2PV50H6N	48	42	46	65,000	58,000	106	0.71	70	58	62	52
RG1PV55H6N	55	46	55	78,000	78,000	117	0.61	84	70	84	70
RG2PV75H6N	75	62	72	76,000	75,500	126	0.69	82	68	81	67

Model Number	Nominal Capacity	DOE Rated Storage Volume (Liters)	Nat. kW Input	LP kW Input	First Hour Rating (Liters)	Uniform Energy Factor	Recovery at 50°C Rise *	
							Nat. Liters/ Hour	LP Liters/ Hour
RG1PV40S6N	151	144	11.7	11.1	269	0.63	163	155
RG1PV50S6N	189	182	11.7	11.1	314	0.67	163	155
★ RG2PV40S6N	151	144	11.7	11.1	269	0.67	163	155
★ RG2PV50S6N	189	182	11.7	11.1	314	0.70	163	155
★ RG2PV40T6N	151	144	11.7	11.7	269	0.68	163	163
★ RG2PV50T6N	189	182	11.7	11.7	314	0.71	163	163
★ RG2PV50H6N	182	174	19.1	17.0	401	0.71	265	235
RG1PV55H6N	208	208	22.9	22.9	443	0.61	318	317
RG2PV75H6N	284	235	22.3	22.1	477	0.69	310	307

Model Number	A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	H C/L of Water Conn. in.	J Floor to Water Conn. in.	K Depth in.	L Floor to Space Heating Inlet in.	M Floor to Space Heating Outlet in.	Approx. Shipping Weight lbs.
RG1PV40S6N	57 1/16	20	2 or 3	40	11 3/4	47 1/2	8	49	24 3/4	N/A	N/A	140
RG1PV50S6N	58 1/4	22	2 or 3	40 5/8	11 3/4	48 1/4	8	50 1/2	26 3/4	N/A	N/A	166
★ RG2PV40S6N	57 1/16	22	2 or 3	40	11 3/4	47 1/2	8	49	26 3/4	N/A	N/A	142
★ RG2PV50S6N	58 1/4	24	2 or 3	40 5/8	11 3/4	48 1/4	8	50 1/2	28 3/4	N/A	N/A	168
★ RG2PV40T6N	66 7/8	20	2 or 3	50	11 3/4	56 3/4	8	58	24 3/4	N/A	N/A	146
★ RG2PV50T6N	66 7/8	22	2 or 3	50	11 3/4	56 3/4	8	58	26 3/4	N/A	N/A	173
★ RG2PV50H6N	66 7/8	22	3 or 4	50 5/8	11 3/4	56 3/4	11	57 3/4	26 3/4	13 1/2	50 1/8	187
RG1PV55H6N	64 3/16	22	3 or 4	47 15/16	11 1/2	54 5/8	8	56	26 3/4	13 3/8	47 15/16	219
RG2PV75H6N	69 7/16	26	3 or 4	51 1/2	13 1/2	59 1/2	11	60 3/4	30 3/4	13 3/8	51 1/2	260

Model Number	A Floor to Vent Conn. mm.	B Jacket Dia. mm.	C Vent Size mm.	D Floor to T&P Conn. mm.	E Floor to Gas Conn. mm.	F Floor to Top of Heater mm.	H C/L of Water Conn. mm.	J Floor to Water Conn. mm.	K Depth mm.	L Floor to Space Heating Inlet mm.	M Floor to Space Heating Outlet mm.	Approx. Shipping Weight kg.
RG1PV40S6N	1456	508	51 or 76	1016	298	1207	203	1245	629	N/A	N/A	64
RG1PV50S6N	1480	559	51 or 76	1032	298	1226	203	1283	679	N/A	N/A	75
★ RG2PV40S6N	1456	559	51 or 76	1016	298	1207	203	1245	679	N/A	N/A	64
★ RG2PV50S6N	1480	610	51 or 76	1032	298	1226	203	1283	730	N/A	N/A	76
★ RG2PV40T6N	1699	508	51 or 76	1270	298	1441	203	1473	629	N/A	N/A	66
★ RG2PV50T6N	1699	559	51 or 76	1270	298	1441	203	1473	679	N/A	N/A	78
★ RG2PV50H6N	1680	559	76 or 102	1273	298	1432	279	1467	679	343	1273	85
RG1PV55H6N	1630	559	76 or 102	1218	279	1388	203	1422	679	340	1218	99
RG2PV75H6N	1764	660	76 or 102	1308	343	1511	279	1543	781	340	1308	118

Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "N" to "X". For 10 year models, change suffix from "6" to "10" (Not available on RG1PV55H6N). *Based on manufacturer's rated recovery efficiency. 120 VAC Required for Power Venting / 120 VAC, 60Hz., 3.1 Amperes. Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

★ = ENERGY STAR® Qualified.

RG2PV40S6N	RG1PV50S6N	2" Vent Pipe	3" Vent Pipe	RG2PV50H6N	RG1PV55H6N	3" Vent Pipe	4" Vent Pipe
Max. Equivalent Length	150 ft.	120 ft.	150 ft.	180 ft.	150 ft.	150 ft.	180 ft.
Min. Equivalent Length	7 ft.	15 ft.	7 ft.	15 ft.	7 ft.	15 ft.	15 ft.
Number of 90° Elbows	1	45 ft.	115 ft.	1	45 ft.	175 ft.	175 ft.
	2	40 ft.	110 ft.	2	40 ft.	170 ft.	170 ft.
	3	35 ft.	105 ft.	3	35 ft.	165 ft.	165 ft.

Subtract 5ft. for each additional 90° elbow

† For high altitude installations, consult the installation instructions.

General: Meets NAECA or EPACT Requirements, as applicable. All gas water heaters are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. All water connections are 3/4" (19mm) NPT, all gas connections are 1/2" (13mm). All models design-certified by CSA International (formerly AGA/CGA), ANSI Z21.10.1 and/or Z21.10.3 and peak performance rated.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

Suitable for Water (Potable) Heating and Space Heating. Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.

BRADFORD WHITE
WATER HEATERS
Ambler, PA

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