

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



This is to certify that

BROWN J B & SONS /HVAC Services, Inc.

Located at

20 DANFORTH ST

PERMIT ID: 2013-00430

CBL: 040 D001001

has permission to **install TRANE unit on roof for suite 104**

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise cloed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be procured prior to occupancy.

\_\_\_\_\_  
Fire Prevention Officer

\_\_\_\_\_  
Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
THERE IS A PENALTY FOR REMOVING THIS CARD**

**BUILDING PERMIT INSPECTION PROCEDURES**  
Please call 874-8703 (ONLY)  
or email: [buildinginspections@portlandmaine.gov](mailto:buildinginspections@portlandmaine.gov)

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

**REQUIRED INSPECTIONS:**

Final - Commercial

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

**City of Portland, Maine - Building or Use Permit**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

<b>Permit No:</b> 2013-00430	<b>Date Applied For:</b> 03/05/2013	<b>CBL:</b> 040 D001001
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<b>Location of Construction:</b> 20 DANFORTH ST	<b>Owner Name:</b> BROWN J B & SONS	<b>Owner Address:</b> PO BOX 207	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> HVAC Services, Inc.	<b>Contractor Address:</b> 73 Bradley Drive Westbrook	<b>Phone</b> (207) 854-4822
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Multi use Commercial	<b>Proposed Project Description:</b> install TRANE unit on roof for suite 104
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**Dept:** Historic      **Status:** Approved w/Conditions      **Reviewer:** Deb Andrews      **Approval Date:** 03/15/2013  
**Note:**      **Ok to Issue:**

1) 1. Rooftop unit to be located as far away from the building edges as possible to limit visibility.

**Dept:** Zoning      **Status:** Approved w/Conditions      **Reviewer:** Ann Machado      **Approval Date:** 03/05/2013  
**Note:**      **Ok to Issue:**

1) This building is located in the B-3 Zone. Section 14-221.1(b) outlines the allowable noise levels that must not be exceeded at the property boundaries. These standards must be maintained at all times.

2) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.

**Dept:** Building      **Status:** Approved w/Conditions      **Reviewer:** Jeanie Bourke      **Approval Date:** 03/29/2013  
**Note:**      **Ok to Issue:**

1) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

2) Duct penetrations shall be protected per IBC Sec. 713.1.1 & 716 and when through fire barriers, approved fire or smoke dampers or combination of, shall be installed in accordance with their listing.

3) The installation of this system shall comply with standards for ventilation and indoor air quality per ASHRAE 62.1 or 62.2-2007 edition.

4) Equipment shall be installed in compliance with the manufacturer's specifications and the UL listing.

5) The installation must comply with the State of Maine Gas Regulations.

6) Any modifications to existing building systems and all new systems (HVAC, electrical, plumbing) shall meet IECC 2009 or ASHRAE 90.1-2007 requirements for energy code compliance.

7) Permit approved based upon information provided by the applicant or design professional. Any deviation from approved plans requires separate review and approval prior to work.

**Dept:** Fire      **Status:** Not Applicable      **Reviewer:**      **Approval Date:**      **Ok to Issue:**

**Note:**

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 2013-00430	Issue Date:	CBL: 040 D001001
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Location of Construction: 20 DANFORTH ST		Owner Name: BROWN J B & SONS		Owner Address: PO BOX 207 PORTLAND, ME 04112		Phone:	
Business Name:		Contractor Name: HVAC Services, Inc.		Contractor Address: 73 Bradley Drive Westbrook ME 04092		Phone (207) 854-4822	
Lessee/Buyer's Name		Phone:		Permit Type: HVAC		Zone: B3	
Past Use: Multi use Commercial		Proposed Use: Multi use Commercial		Permit Fee: \$240.00		Cost of Work: \$22,000.00	
				FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A		INSPECTION: Use Group: <i>B</i> Type <i>HVAC</i> <i>MUBEL 2009</i> Signature: <i>JMB 3/29/13</i>	
Proposed Project Description: install TRANE unit on roof for suite 104				Signature: PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____			

Permit Taken By: bjs	Date Applied For: 03/05/2013	<b>Zoning Approval</b>	
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.  2. Building permits do not include plumbing, septic or electrical work.  3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan  Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>OK w/conditions</i> Date: <i>3/5/13 ASU</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied  Date: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied  Date: <i>3/15/13</i> <i>D. Andrews</i>
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**CERTIFICATION**

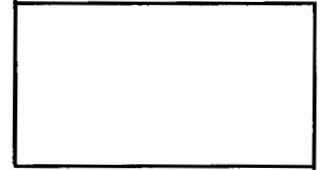
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



FILL IN AND Sign WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



040 Dool

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL Suite 104 30 DANFORTH ST 20 Danforth Use of Building Offices Date 3-5-13  
 Name and address of owner of appliance J. B. BROWN & SONS  
P.O. Box 207 Portland ME 04112-207  
 Installer's name and address HVAC SERVICES 73 Bradley Drive  
WESTBROOK ME 04092 Telephone 207 854 4822

Location of appliance:

- Basement
- Floor
- Attic
- Roof

RECEIVED

MAR 05 2013

Dept. of Building Inspections  
City of Portland Maine

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: TRANE

U.L. Approved  Yes  No

Will appliance be installed in accordance with the manufacture's installation instructions?  Yes  No

IF NO Explain: \_\_\_\_\_

The Type of License of Installer:

- Master Plumber # \_\_\_\_\_
- Solid Fuel# \_\_\_\_\_
- Oil# \_\_\_\_\_
- Gas# PNT 1058
- Other- \_\_\_\_\_

Type of Chimney:

- Masonry Lined
- Factory built NA

- Metal
- Factory Built U.L. Listing # NA

Direct Vent Type PVC UL# Hi EFF

Type of Fuel Tank

- Oil
- Gas

Size of Tank NA

Number of Tanks NA

Distance from Tank to Center of Flame NA feet.

Cost of Work: \$ 22,000

Permit Fee: \$ 240

Approved

Approved with Conditions

Fire: \_\_\_\_\_

See attached letter or requirement

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

Inspector's Signature

Date Approved

Signature of **Installer** \_\_\_\_\_

White - Inspection    Yellow - File    Pink - Applicant's    Gold - Assessor's Copy

J.B. Brown & Sons  
P.O. Box 207  
Portland, Maine 04112

February 25, 2013  
Job No. 2013-031  
Pg. 1 of 1

Attention: Trish Weimer

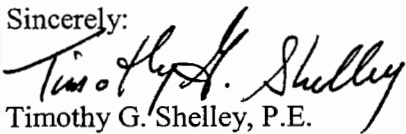
Trish:

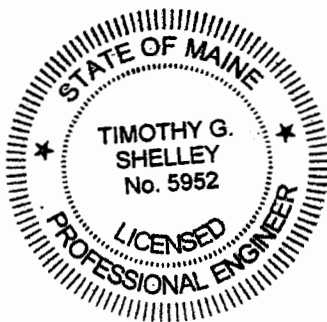
Per your request, I made a site visit to 30 Danforth St. The purpose of my inspection was to evaluate a proposed roof location for supporting a new Trane Unit to service Suite 104. The new RTU is a Trane condensing unit, model # 4TTB4061E1, and has an operating weight of 275 pounds.

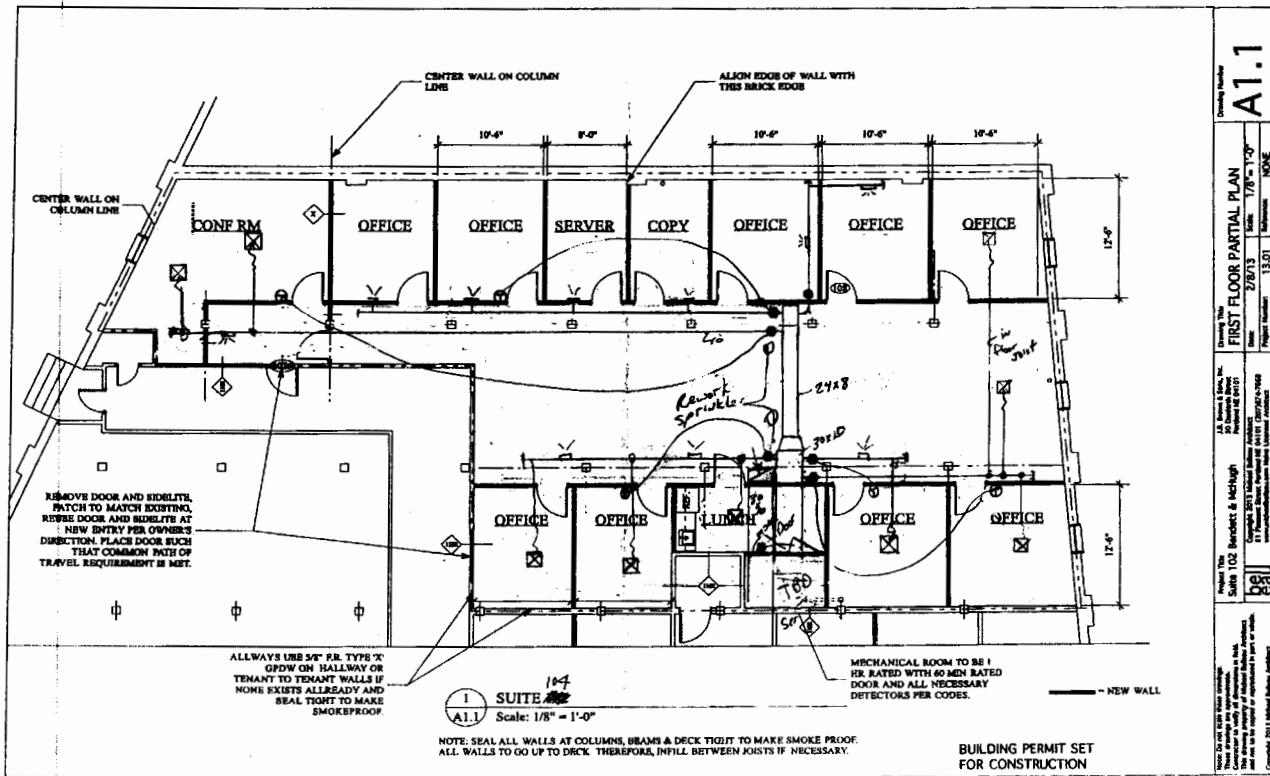
Our analysis found the roof as presently framed can safely support the additional weight of the Trane Unit, in conjunction with Building Code Mandated snow loads for Portland, Maine.

Please let me know if you have any questions.

Sincerely:

  
Timothy G. Shelley, P.E.





Drawing No. **A1.1**  
Project No. **1301**  
Scale: 1/8" = 1'-0"  
Date: 2/8/13  
Sheet: 1301

Project: **100 Bayshore & 140th**  
Client: **100 Bayshore & 140th**  
Architect: **100 Bayshore & 140th**  
Engineer: **100 Bayshore & 140th**  
Contractor: **100 Bayshore & 140th**

### General Data

Model No. ①	Product Specifications				
	4TTB402E1	4TTB408E1	4TTB409E1	4TTB400E1	4TTB405E1
Electrical Data V/Ph/Hz ②	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60	230/1/60
Min. Oil Capacity	23	26	28	34	70
Max. Fuse Size (Amps)	40	45	45	60	80
Compressors	CLIMATUFF™ SCROLL	CLIMATUFF™ SCROLL	CLIMATUFF™ SCROLL	CLIMATUFF™ SCROLL	CLIMATUFF™ SCROLL
No. Used - No. Stages	1-1	1-1	1-1	1-1	1-2
FL AMPS - LR AMPS	17.8 - 112	19.9 - 109	19.9 - 109	26.4 - 134	32.1 - 152.9
Outdoor Fan FL Amps	0.83	0.93	1.0	0.85	2.03
Fan HP	1/5	1/5	1/5	1/5	1/3
Fan Dia (Inches)	27.8	27.8	27.8	27.8	27.8
Coil	Spline Fin™	Spline Fin™	Spline Fin™	Spline Fin™	Spline Fin™
Refrigerant R-410A	84-LB/CZ	85-LB/CZ	119-LB/CZ	86-LB/CZ	129-LB/CZ
Line Size - (In.) O.D. Gas ③	7/8	7/8	7/8	7/8	1-1/8
Line Size - (In.) O.D. Liquid ④	3/8	3/8	3/8	3/8	3/8
Dimensions H x W x D (Cased)	48.4 x 35.1 x 38.7	51 x 35.1 x 38.7	51 x 35.1 x 38.7	51 x 35.1 x 38.7	51 x 35.1 x 38.7
Weight - Shipping	272	282	304	285	312
Weight - Net	226	246	267	248	275
Start Components	NO	NO	NO	NO	NO
Sound Enclosure	NO	NO	NO	NO	NO
Compressor Sump Heat	NO	NO	NO	NO	NO
Optional Accessories ⑤					
Anti-short Cycle Timer	TRASCT501A	TRASCT501A	TRASCT501A	TRASCT501A	TRASCT501A
Evaporator Defrost Coiled A/C	RT20079	RT20079	RT20079	RT20079	RT20079
Rubber Insulator Kit	BAYSLT101	BAYSLT101	BAYSLT101	BAYSLT101	BAYSLT101
Crack Case Heater Kit	BAYCCHT301	BAYCCHT301	BAYCCHT301	BAYCCHT301	BAYCCHT301
Hard Start Kit Scroll	BAYSKT280	BAYSKT280	BAYSKT280	BAYSKT280	BAYSKT280
Extreme Condition Monitoring Kit	BAYECMT04	BAYECMT04	BAYECMT04	BAYECMT04	BAYECMT04
Show Log - Base & Cap - 4" High	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002
Show Log - 4" Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003
Sealcap Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001
Refrigerant Line-set ⑥	TRREFLN2	TRREFLN2	TRREFLN2	TRREFLN2	TRREFLN2

### General Data

#### Product Specifications ①

MODEL	TRV100M0001A Upflow / Horizontal	TRV100M0001A Upflow / Horizontal	TRV100M0001A Upflow / Horizontal	TRV100M0001A Upflow / Horizontal
Capacity (BTU/h) ②	80,000	97,000	97,000	110,000
Capacity (BTU/h) ③	78,000	95,100	95,100	108,000
APLE (BTU/h)	85.0	85.0	85.0	85.0
Temp. Rise (F) (at 1000 ft/min)	20 - 65	20 - 65	20 - 65	20 - 65
Max. Overall Dimensions	DIRECT	DIRECT	DIRECT	DIRECT
Discharge - Width (In.)	11 x 10	10 x 10	11 x 10	11 x 10
No. Used	1	1	1	1
Speed (ft/min)	4	4	4	4
CFM (ft³/min)	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1100	1075	1100	1100
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
Compressor Fan - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Case - No. Revs.	Direct - 1	Direct - 1	Direct - 1	Direct - 1
Motor HP - Type	100 - 3400	100 - 3400	100 - 3400	100 - 3400
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
FLA	0.71	0.71	0.71	0.71
Filter - Furnish?	No	No	No	No
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
H Vel. (ft/min) (at 1000 ft/min)	1 - 2000 - 1in.	1 - 2000 - 1in.	1 - 2000 - 1in.	1 - 2000 - 1in.
VENT PIPE (SIZES) - Min. (In.) (Max.) (In.)	3 (Max.)	3 (Max.)	3 (Max.)	3 (Max.)
HEAT EXCHANGER	Aluminum Steel - Type I	Aluminum Steel - Type I	Aluminum Steel - Type I	Aluminum Steel - Type I
Type/Prod	Unitrol	Unitrol	Unitrol	Unitrol
Gauge (Prod)	20	20	20	20
DRIPTRAY - Size	4 - 45	5 - 45	5 - 45	5 - 45
Hot Gas Clg. - Dth Size	4 - 28	5 - 28	5 - 28	5 - 28
L.P. Gas Clg. - Dth Size	4 - 28	5 - 28	5 - 28	5 - 28
SAFETY VALVE	Reduction - Single Stage	Reduction - Single Stage	Reduction - Single Stage	Reduction - Single Stage
PILDT SAFETY SERVICE	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BIURENS - Type	Multipoint Inlet	Multipoint Inlet	Multipoint Inlet	Multipoint Inlet
POWER CONSUMPTION (W) / Ph / Hz ④	115/1/60	115/1/60	115/1/60	115/1/60
Amperage (In Amps)	12.3	12.3	12.3	12.3
Max. Discharge Position (Inches)	20	20	20	20
PIPE COILS - Size (In.)	1/2	1/2	1/2	1/2
Dimensions	H x W x D	H x W x D	H x W x D	H x W x D
Cased (In.)	41-3/4 x 23 x 30-1/2	41-3/4 x 23 x 30-1/2	41-3/4 x 23 x 30-1/2	41-3/4 x 23 x 30-1/2
Shipping (Lbs.) / (MM) (Lbs.)	171 / 180	171 / 180	187 / 195	205 / 215



**TRANE™**

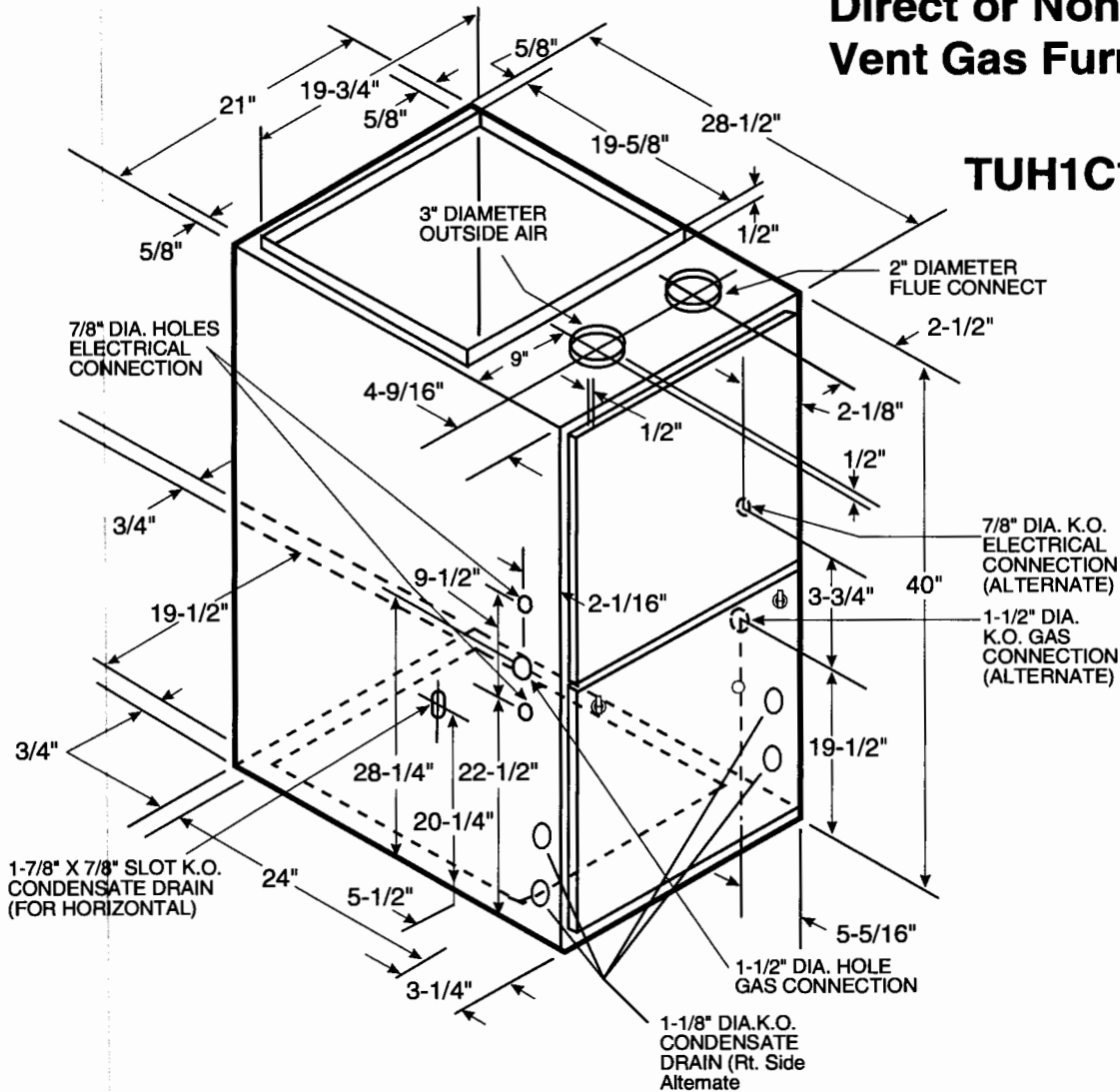
**TUH1C100-SUB-1A**

TAG: \_\_\_\_\_

**SUBMITTAL**

**Upflow / Horizontal  
Direct or Non-Direct  
Vent Gas Furnace**

**TUH1C100A9481A**



FURNACE AIRFLOW (CFM) VS. EXTERNAL STATIC PRESSURE (In. w.c.)										
MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
*UH1C100A9481A	4 - HIGH - Black	1982	1912	1836	1761	1679	1593	1496	1389	1267
	3 - MED.-HIGH - Blue	1892	1832	1765	1696	1621	1538	1446	1342	1205
	2 - MED.-LOW - Yellow	1759	1712	1660	1604	1536	1465	1383	1275	1149
	1 - LOW - Red	1593	1557	1521	1485	1433	1370	1294	1182	1068

\*= First letter may be "A" or "T"

CFM VS. TEMPERATURE RISE											
MODEL	Cubic Feet Per Minute (CFM)										
	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
*UH1C100A9481A			68	63	59	55	52	49	46	44	

\*= First letter may be "A" or "T"



# General Data ①

TYPE	Upflow / Horizontal
<b>RATINGS ②</b>	
Input BTUH	97,000
Capacity BTUH (ICS) ③	92,150
AFUE	95.0
Temp. rise (Min.-Max.) °F.	35 - 65
<b>BLOWER DRIVE</b>	
	DIRECT
Diameter-Width (In.)	10 x 10
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance
Motor HP	1/2
R.P.M.	1075
Volts/Ph/Hz	115/1/60
<b>COMBUSTION FAN - Type</b>	
	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/20 - 3450
Volts/Ph/Hz	115/1/60
F.L. Amps	0.71
<b>FILTER — Furnished?</b>	
	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 20x25 - 1in.

<b>VENT PIPE DIAMETER — Min. (In.)③④</b>		3 Round
<b>HEAT EXCHANGER</b>		
Type-Fired	-Unfired	Alum. Steel
Gauge (Fired)		20
<b>ORIFICES — Main</b>		
Nat.Gas. Qty. — Drill Size		5 — 45
L.P. Gas Qty. — Drill Size		5 — 56
<b>GAS VALVE</b>		Redundant - Single Stage
<b>PILOT SAFETY DEVICE</b>		
Type		Hot Surface Ignition
<b>BURNERS — Type</b>		
Number		Multiport Inshot 5
<b>POWER CONN. — V/Ph/Hz ⑤</b>		
Ampacity (In Amps)		115/1/60 12.5
Max. Overcurrent Protection (amps)		20
<b>PIPE CONN. SIZE (IN.)</b>		
		1/2
<b>DIMENSIONS</b>		
Crated (In.)		H x W x D 41- 3/4 x 23 x 30-1/2
Uncrated (In.)		40 x 21 x 28
<b>WEIGHT</b>		
Shipping (Lbs.)/ Net (Lbs)		171 / 160

## Notes

- ① Central Furnace heating designs are certified by AGA and CSA.
- ② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
- ③ Based on U.S. government standard tests.
- ④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.
- ⑤ Refer to the Vent Length Table in the Installer's Guide or the Allowable Vent Length label located on the furnace.
- ⑥ All "UH1 furnace models have a vent outlet diameter that equals 2".

## Mechanical Specifications

**NATURAL GAS MODELS**—Central heating furnace designs are certified by the American Gas Association for both natural and L.P. gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

**SAFE OPERATION** — The Integrated System Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Slow opening, dual solenoid combination gas valve and regulator provide extra safety and quieter operation.

**QUICK HEATING**—Durable, cycle tested, heavy gauge **aluminized steel heat exchanger and stainless steel secondary heat exchanger** quickly transfer over 90% of the heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide a positive discharge of gas fumes to the outside as it draws outdoor air in for sealed combustion, which means it uses no indoor air for combustion.

**BURNERS** — Multi-port, in-shot burners will give years of quiet and efficient service. All models can be converted to **L.P. gas** without changing burners.

**INTEGRATED SYSTEM CONTROL**—Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service. The built-in, selectable "**Cooling Fan Off**" feature provides time-delay capability like a BAY24X045 Time-Delay Kit for cooling operation. Also contains connection points for E.A.C./humidifier.

**AIR DELIVERY** — The multispeed, direct-drive blower motor, with sufficient airflow range for most heating and cooling requirements, will switch from heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed. (Fan relay and 35VA control transformer is standard).

**STYLING** — **Heavy gauge steel and "wraparound" cabinet construction** is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil-faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass.

**FEATURES AND GENERAL OPERATION** — These High Efficiency, Direct Vent, Condensing Gas Furnaces employ a Hot Surface Ignition system, which eliminates the waste of a constantly burning pilot. They are convertible for HORIZONTAL use by rotating the unit to its left side. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

- a. Low energy power venter.
- b. Vent proving differential switch.

Since Trane has a policy of continuous product and product data improvement, it reserves the right to change specifications and design without notice.

Technical Literature - Printed in U.S.A.

Trane  
6200 Troup Highway  
Tyler, TX 75707



Library	Unitary
Product Section	Furnaces
Product	Furnace
Model	TUH1
Literature Type	Submittal
Sequence	-
Date	06/09
File No.	TUH1C100A-SUB-1A
Supersedes	TUH1C100A-SUB-1