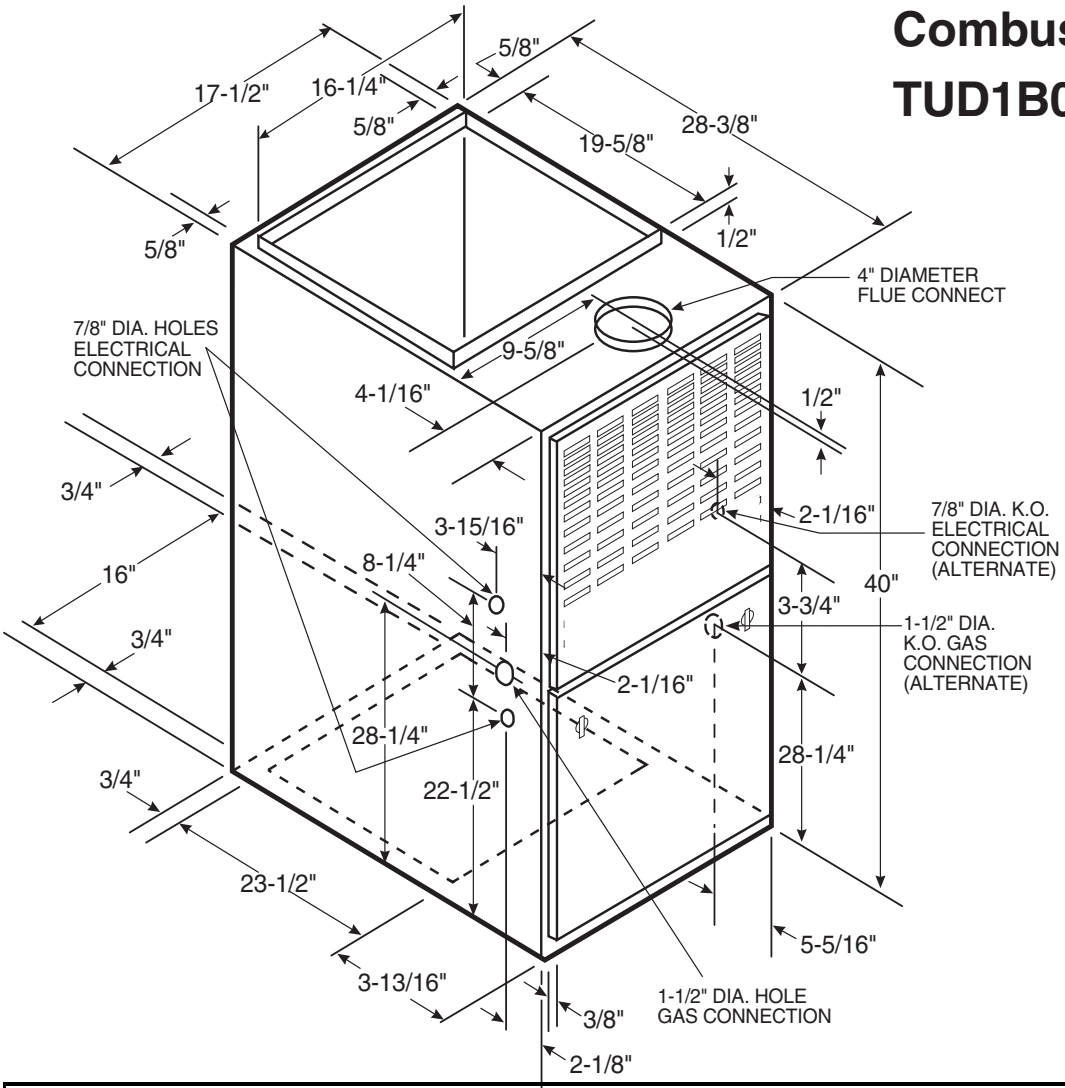
TRANE™

TAG: _____

SUBMITTAL

Upflow / Horizontal Gas Furnace"Fan-Assisted Combustion"

TUD1B080A9241A



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**
TUD1B080A9241A	4 - HIGH - Black	1115	1094	1060	1014	956	886	803	708	600
	3 - MED.-HIGH - Blue	919	912	891	857	809	747	671	582	478
	2 - MED.-LOW - Yellow	772	767	750	722	681	629	565	489	401
	1 - LOW - Red	643	655	648	622	577	512	428	325	203

CFM VS. TEMPERATURE RISE				
MODEL	**CFM (CUBIC FEET PER MINUTE)**			
	800	**900**	**1000**	**1100**
TUD1B080A9241A	74	66	59	54

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General Data ①

TYPE	Upflow / Horizontal
RATINGS ②	
Input BTUH	80,000
Capacity BTUH (ICS) ③	64,000
AFUE	80.0
Temp. rise (Min.-Max.) °F.	50 - 80
BLOWER DRIVE	DIRECT
Diameter-Width (In.)	9 x 7
No. Used	1
Speeds (No.)	4
CFM vs. in. w.g.	See Fan Performance
Motor HP	1/5
R.P.M.	1080
Volts/Ph/Hz	115/1/60
COMBUSTION FAN - Type	Centrifugal
Drive - No. Speeds	Direct - 1
Motor HP - RPM	1/50 - 3180
Volts/Ph/Hz	115/1/60
F.L. Amps	1.09
FILTER — Furnished?	No
Type Recommended	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 17x25 - 1in.

VENT COLLAR — Size (in.)	4 Round
HEAT EXCHANGER	
Type-Fired	Alum. Steel
-Unfired	
Gauge (Fired)	20
ORIFICES — Main	
Nat.Gas. Qty. — Drill Size	4 — 45
L.P. Gas Qty. — Drill Size	4 — 56
GAS VALVE	Redundant - Single Stage
PILOT SAFETY DEVICE	
Type	Hot Surface Ignition
BURNERS — Type	Multiport Inshot
Number	4
POWER CONN. — V/Ph/Hz ④	115/1/60
Ampacity (In Amps)	5.4
Max. Overcurrent Protection (amps)	15
PIPE CONN. SIZE (IN.)	1/2
DIMENSIONS	H x W x D
Crated (In.)	41- 3/4 x 19-1/2 x 30-1/2
Uncrated (In.)	40 x 17-1/2 x 28
WEIGHT	
Shipping (Lbs.) / Net (Lbs)	139 / 129

① Central Furnace heating designs are certified by the American Gas Association Inc. Laboratories.
② Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet; Ratings should be reduced at the rate of 4% for each 1000 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.

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. Dual solenoid combination gas valve and regulator provide extra safety.

QUICK HEATING— Durable, cycle tested, heavy gauge **aluminized steel heat exchanger** quickly transfers heat to provide warm conditioned air to the structure. **Low energy power vent blower**, to increase efficiency and provide discharge of gas fumes to the outside, allows common venting with hot water heater.

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.

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 Gas Furnaces employ a Hot Surface Ignition system, which eliminates the waste of a constantly burning pilot. 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
A business of American Standard Companies
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Tyler, TX 75707
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