

# Trane XL80 Furnace Manual

## Gas Furnace – Induced Draft – Two Stage Heat

<b>Models:</b>	*UD2A040A9242A	*UD2A060A9362A	*UD2B060A9362A	*UD2B080A9362A
	*UD2B080A9482A	*UD2B100A9362A	*UD2C100A9482A	*UD2C100A9602A
	*UD2D100A9602A	*UD2C120A9542A	*UD2D120A9602A	*UD2D140A9602A
	*DD2A040A9242A	*DD2A060A9362A	*DD2B060A9362A	*DD2B080A9362A
	*DD2B100A9482A	*DD2C100A9482A	*DD2C100A9602A	*DD2D120A9602A
	*DD2D140A9602A	* First letter may be "A" or "T"		

**IMPORTANT** — This document contains a wiring diagram and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.



**WARNING**

**DISCONNECT POWER BEFORE SERVICING**

### PRODUCT SPECIFICATIONS ①

MODEL	*UD2A040A9242A	*UD2A060A9362A	*UD2B060A9362A	*UD2B080A9362A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
<b>RATINGS ②</b>				
1st Stage Input BTUH	26,000	36,000	36,000	52,000
1st Stage Capacity BTUH (ACS) ③	20,800	31,200	31,200	41,600
2nd Stage Input BTUH	40,000	60,000	60,000	80,000
2nd Stage Capacity BTUH (ACS) ③	32,000	47,000	47,000	63,000
Temp. rise (Fah.-Max.) °F.	30 - 60	30 - 60	30 - 60	30 - 60
<b>BLOWER DRIVE</b>	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (in.)	10 x 6"	10 x 6"	10 x 6"	10 x 7"
No. Used	1	1	1	1
Speeds (No.)	4	4	4	4
CFM vs. In. w.p.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/3	1/3	1/3	1/3
R.P.M.	1080	1075	1075	1075
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
<b>COMBUSTION FAN — Type</b>	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - 2	Direct - 2	Direct - 2	Direct - 2
Motor HP - R.P.M.	1/100 - 2543/1727	1/100 - 2543/1727	1/100 - 2543/1727	1/100 - 2543/1727
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
FLA	70/40	70/40	70/40	70/40
<b>FILTER — Furnished?</b>	No	No	No	No
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 17x25 - 1in.	1 - 17x25 - 1in.	1 - 17x25 - 1in.	1 - 17x25 - 1in.
<b>VENT — Size (in.)</b>	4 Round	4 Round	4 Round	4 Round
<b>HEAT EXCHANGER</b>				
Type - Fired	Alum. Steel	Alum. Steel	Alum. Steel	Alum. Steel
Unfired				
Capacity (BTU/hr)	20	20	20	20
<b>ORIFICES — Main</b>				
Nat. Gas Qty. — Orif. Size	2 — 45	3 — 45	3 — 45	4 — 45
L.P. Gas Qty. — Orif. Size	2 — 56	3 — 56	3 — 56	4 — 56
<b>GAS VALVE</b>	Redundant - Two Stage	Redundant - Two Stage	Redundant - Two Stage	Redundant - Two Stage
<b>PILOT SAFETY DEVICE</b>				
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
<b>BURNERS — Type</b>	Multipoint Inshot	Multipoint Inshot	Multipoint Inshot	Multipoint Inshot
Number	2	3	3	4
<b>POWER CONN. — V / Ph / Hz ④</b>	115/1/60	115/1/60	115/1/60	115/1/60
Ampercy (In Amps)	4.5	8.2	9.0	8.2
Max. Breaker Size (Amps)	75	15	15	15
<b>PWPE CONN. SIZE (IN.)</b>	1/2	1/2	1/2	1/2
<b>DIMENSIONS</b>				
Cased (in.)	H x W x D	H x W x D	H x W x D	H x W x D
	41-3/4 x 16-1/2 x 30-1/2	45-3/4 x 16-1/2 x 30-1/2	41-3/4 x 16-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2
<b>WEIGHT</b>				
Shipping (Lbs.) / Net (Lbs.)	119 / 100	127 / 118	137 / 127	142 / 132

\*\*\*UD060D03060D was built with a 10 X 7 blower housing, however the 10 X 7 and 10 X 6 have identical airflow in this model.

① Central Furnace heating designs are certified to ANSI Z21.47 and CSA 2-3.

② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, denote 4% per 1,000 feet for elevations above 2,000 feet above sea level.

③ For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, denote 4% per 1,000 feet for elevations above 4,500 feet above sea level.

④ Based on U.S. government standard tests.

⑤ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

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

UD2-2-SF-1D

# Trane Xl80 Repair Manual

**John S. Mead**



## **Trane Xl80 Repair Manual:**

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