

Trane XL80 Furnace Manual

Gas Furnace – Induced Draft – Two Stage Heat

Models:	*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
RATINGS ②				
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	48,000	48,000	63,000
Temp. rise (Fah.-Max.) °F.	30 - 60	30 - 60	30 - 60	30 - 60
BLOWER DRIVE	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
COMBUSTION FAN — Type	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
FILTER — Furnished?	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.
VENT — Size (in.)	4 Round	4 Round	4 Round	4 Round
HEAT EXCHANGER				
Type - Fired	Atm. Steel	Atm. Steel	Atm. Steel	Atm. Steel
Unfired				
Capacity (Btu/hr)	20	20	20	20
ORIFICES — Main				
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
GAS VALVE	Redundant - Two Stage	Redundant - Two Stage	Redundant - Two Stage	Redundant - Two Stage
PILOT SAFETY DEVICE				
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type	Multipoint Inshot	Multipoint Inshot	Multipoint Inshot	Multipoint Inshot
Number	2	3	3	4
POWER CONN. — V / Ph / Hz ④	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
PWPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS				
Cased (in.)	H x W x D 41-3/4 x 16-1/2 x 30-1/2	H x W x D 41-3/4 x 16-1/2 x 30-1/2	H x W x D 41-3/4 x 16-1/2 x 30-1/2	H x W x D 41-3/4 x 19-1/2 x 30-1/2
WEIGHT				
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 High Efficiency Furnace Installation Manual

Jicheng Xie



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High Efficiency Gas Furnace Fixes Robert Enochs, 2024-03-01 Fix Your Furnace Without Having to Hire a Professional This easy to read and follow comprehensive HVAC repair manual is your ultimate guide to troubleshooting and fixing common issues with your furnace without needing a costly service technician This furnace troubleshooting book does not read like a typical HVAC for beginners or HVAC for Dummies repair book no this is more like a storybook that takes you on a fascinating journey of learning everything there is to know about your furnace Because after all you need to know how it works before you can fix it This book is designed specifically for homeowners and brand new service technicians to empower anyone to take control of their heating system and confidently tackle repairs Inside you'll find practical step by step instructions and expert tips to help you navigate through any condensing gas furnace problem You'll learn to tackle each task carefully understanding the importance of safety procedures You'll also get a history lesson to better understand how heat exchangers and many other internal components work and why they do what they do Because after all you can't fix something if you don't know what it's supposed to do in the first place This HVAC book offers a clear rundown of the essential equipment including specialized diagnostic tools that make you feel like a furnace pro Delve deep into what makes your furnace tick as you familiarize yourself with its key components each explained with clarity and practical detail With each page you'll gain proficiency in addressing common issues from burners that won't light up to clogged condensate drains Learn the ins and outs of thermostat tweaks why a filter replacement is critical and what to do when a hot surface ignitor or flame sensor throws a tantrum After mastering these topics you won't just learn how to fix it you'll learn maintenance tips to prevent future problems

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Official Bulletin Heating, Piping and Air Conditioning Contractors National Association,1951 *Best Buys for Your Home 2004* Consumer Reports (Firm),2004-02-03 The editors at Consumer Reports show how to choose the best equipment for the kitchen home entertainment system tool shed and more from performance differences to recommendations

Popular Science ,1985-10 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better *Public Works Manual* ,1983 *The Owner-Builder Book:*

Construction Bargain Strategies , *The Heating and Ventilating Magazine* ,1918 *Air Conditioning, Heating and Ventilating* ,1926 **Reports of Cases and Matters Determined by the Supreme Court and Court of Appeals of**

South Carolina South Carolina. Supreme Court,1972

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