



TurboCharger®

High Efficiency Commercial Gas Water Heaters

Sealed Combustion / High Efficiency

The ultimate in tank type water heaters. The TurboCharger's unique triple pass flue system is so efficient, the result is a fully condensing water heater with a thermal efficiency of up to 98%. With its sealed combustion, direct-vent design comes installation and venting flexibility. The TurboCharger's submerged combustion chamber reduces radiant heat loss so well, the unit can be installed with zero clearance to combustible materials. And the direct vent system can be exhausted vertically or horizontally, with CPVC or PVC pipe. Because of its small footprint and sealed combustion chamber the TurboCharger is ideal for tight mechanical rooms with negative air conditions.

Outstanding Features

- **Up to 98% Thermal Efficiency** - Fully condensing design maximizes efficiency for lower operational cost.
- **Direct Vent Sealed Combustion** - Draws all combustion air from outside and vents all byproducts outdoors.
- **Electronic Controls** - Electronic thermostat adjustable up to 180°F.
- **Premix Power Burner** - Fires into a submerged combustion chamber resulting in precise mixing of gas and air for optimum efficiency.
- **Submerged Combustion Chamber** - Reduces radiant heat loss and increases efficiency.
- **Triple Pass Flue System** - Unique triple-pass flue design, efficiently extracts available heat from the flue gases, increasing the rate of heat transfer.
- **Glass Lined Steel Tank** - Fused to the tank at 1600°F, the durable glass lining ensures lasting protection against rust and corrosion while providing clean, clear hot water.
- **Tank Saver Anodes** - Provides lasting protection from the effects of electrolytic corrosion.
- **Zero Clearance to Combustible Materials**
- **Non-CFC Foam Insulation** - Meets ASHRAE standby loss requirements.
- **Low NOx Operation Exceeds the most Stringent Air Quality Requirements**
- **Built-In Power Cord** - 5 feet in length for installation ease.
- **Handhole Cleanout** - Provides easy access for inspection and cleaning of the tank interior.
- **Dielectric Nipples** - Protects tank from corrosive action between dissimilar metals and reduce installed cost.
- **Brass Drain Valve**
- **ASME Temperature & Pressure Relief Valve**
- **1" NPT Side Connection for Hydronic Applications**
- **3 Year Limited Tank Warranty** (See warranty for details)
- **1 Year Limited Parts Warranty** (See warranty for details)



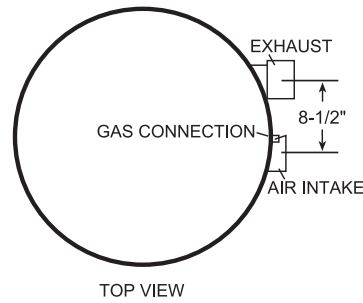
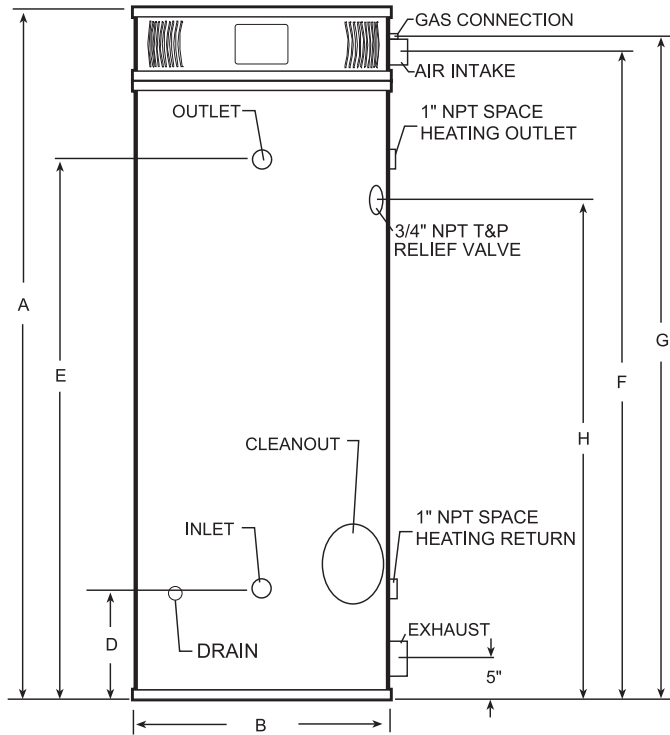
Flexible Venting

- Conventional Vent
- Direct Vent - Horizontal or Vertical
- 3" or 4" PVC or CPVC Vent Pipe
- 3" Concentric Vent Kit

Optional Equipment

- NSF Construction
- ASME Construction

TurboCharger™ Dimensions



FOR EASE IN ORDERING BY MODEL NUMBER

T	N	R	200	100
TURBOCHARGER	NAT. GAS	STD	Btu/hr. INPUT	GAL. CAPACITY

This heater is a TurboCharger, 100 gallon water heater with Natural gas and 199,999 Btu/hr input.

Model Number	Tank Const.	Btu/hr Input	Gal. Cap.	GPH @ 100°F Rise	Thermal Eff.	A	B	D	E	F	G	H	Shipping Weight
TNR125-060	STD	125,000	60	144	95%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNR150-060	STD	150,000	60	167	92%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNR200-060	STD	199,999	60	221	91%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNR150-100	STD	150,000	100	178	98%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNR200-100	STD	199,999	100	238	98%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNR250-100	STD	250,000	100	291	96%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNR300-100	STD	300,000	100	331	91%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNR400-100	STD	399,999	100	451	93%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	775
TNA126-060	ASME	125,000	60	144	95%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNA151-060	ASME	150,000	60	167	92%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNA201-060	ASME	199,999	60	221	91%	57"	28-1/4"	13"	42-1/2"	52-1/2"	53-1/2"	40"	570
TNA151-100	ASME	150,000	100	178	98%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNA201-100	ASME	199,999	100	238	98%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNA251-100	ASME	250,000	100	291	96%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNA301-100	ASME	300,000	100	331	91%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	725
TNA401-100	ASME	399,999	100	451	93%	77-3/4"	28-1/4"	13"	62-1/2"	73-1/4"	74-3/4"	60"	775

Notes: *ASME Construction available upon request. Consult factory for details.
Gas Connection is 3/4" NPT. (1" on 400 KBtu models)
Performance data is based on Manufacturer's test results.

Change N to L for LP gas models.
Water Connections are 1-1/2" NPT.

Maximum Vent Lengths:

3" Vent (PVC or CPVC)

TNR125-060 / TNA126-060	= 120 Equivalent Ft.
TNR150-060 / TNA151-060	= 100 Equivalent Ft.
TNR200-060 / TNA201-060	= 80 Equivalent Ft.
TNR150-100 / TNA151-100	= 120 Equivalent Ft.
TNR200-100 / TNA201-060	= 100 Equivalent Ft.
TNR250-100 / TNA251-100	= 80 Equivalent Ft.
TNR300-100 / TNA301-100	= 60 Equivalent Ft.
TNR400-100 / TNA401-100	= 50 Equivalent Ft.

4" Vent (PVC or CPVC)

TNR125-060 / TNA126-060	= 170 Equivalent Ft.
TNR150-060 / TNA151-060	= 150 Equivalent Ft.
TNR200-060 / TNA201-060	= 130 Equivalent Ft.
TNR150-100 / TNA151-100	= 170 Equivalent Ft.
TNR200-100 / TNA201-100	= 150 Equivalent Ft.
TNR250-100 / TNA251-100	= 130 Equivalent Ft.
TNR300-100 / TNA301-100	= 110 Equivalent Ft.
TNR400-100 / TNA401-100	= 100 Equivalent Ft.



Lochinvar[®]
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