

# TRX Series

## Next Evolution of Water Tube Boilers



Products you need  
from people who care

- Innovative XTRATECH® stainless steel heat exchanger with large diameter tubing
- Modulating Combustion up to 11:1
- Models up to 96% AFUE
- Wi-Fi on board for remote control and monitoring
- Heat Only and Combi versions available
- Integrated ECM pump and DHW diverter valve on all models
- Small zone valve systems may not require an additional pump or a low loss header
- Easy service access and quick component connections
- For Indirect DHW applications, internal diverter valve eliminates need for indirect pump.



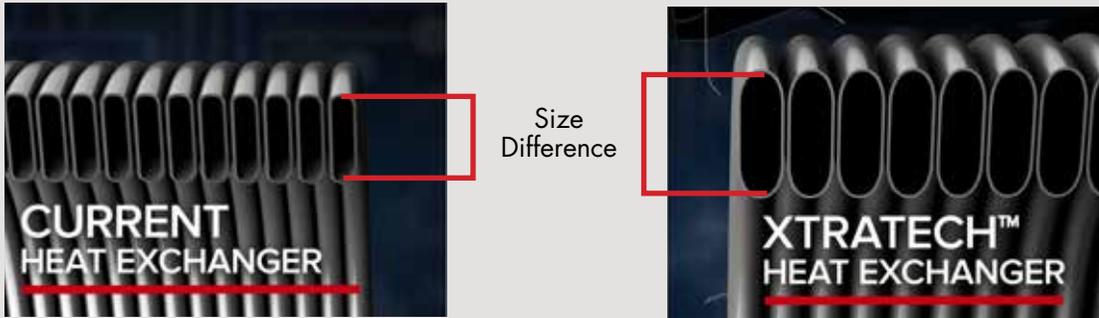
**95-96% AFUE**



**15 YEAR / 5y**  
PRIMARY HEAT EXCHANGER PARTS  
**WARRANTY**

# Innovative XTRATECH® heat exchanger

Made entirely from stainless steel, the TRX heat exchanger utilizes a single formed, helically wound water tube coil, thereby enhancing durability by eliminating welds and potential failure points. With a large diameter, the single tube keeps pressure losses in check by offering a cross-sectional area more than 150% larger than other products in the market. Its innovative design ensures outstanding efficiency, while maintaining a compact and extremely quiet package. The innovative mono flow water tube design provides increased water flow and internal turbulence, which scrubs internal wall surfaces, reducing internal heat exchanger deposits.



## Exclusive NTI Net, Wi-Fi connectivity



### Wi-Fi on board for remote access and monitoring

Every unit is equipped with embedded Wi-Fi connectivity so that the TRX brain can easily communicate with NTI remote connectivity tools, making servicing easier. Push notifications can be sent to the Homeowner or Service Company for errors and lockouts. Maintenance reminders or abnormal behavior, can be detected saving time and help prevent no heat situations.

The exclusive Wi-Fi capability and NTI Net Program, provides the occupants much greater confidence, that boilers in unattended properties are operating correctly, and providing adequate heat.

Service companies can monitor all their installed TRX boilers with the NTI Net program. Thanks to the remote diagnostic system and 24/7 remote monitoring, it is now possible to be closer to your customer than ever before.

Review boilers displaying irregular operation, and proactively schedule service appointments to determine the source of the problem. Eliminating urgent service visits, and no heat calls. NTI Net gives you all the tools to schedule regular maintenance and service, based on operating conditions, that can be remotely observed.

Registered "NTI Net Heating Professionals", can modify settings remotely in order to maximize and guarantee proper operation.

### Hot water

The TRX provides unparalleled delivery of domestic hot water through our Combi models, or using an optional indirect water heater. NTI is the leader in Combi technology providing adequate and abundant domestic hot water.



## Easy service access and quick component connections

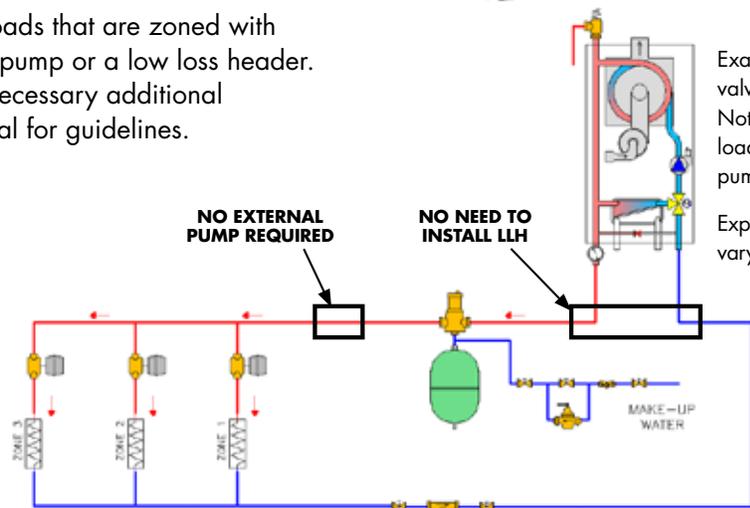
All internal components utilize bayonet quick connectors, eliminating the need to braze or solder within the unit. Components can be efficiently serviced.

Swing down control box greatly enhances serviceability, making all major components easily accessible.

## Integrated high efficiency ECM primary pump

The TRX features a custom designed, integrated hydro-block that includes everything needed: a high efficiency ECM pump for quiet, efficient operation, and a diverter valve that makes an external indirect pump unnecessary.

Simple heating systems with small heat loads that are zoned with zone valves may not require an external pump or a low loss header. The TRX saves hundreds of dollars in unnecessary additional equipment. Consult the Installation Manual for guidelines.



Example of small zone valve heating System. Note: Systems with larger loads will require a primary pump and low loss header.

Expansion tank location may vary, consult the install manual.

LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	central air separator		isolation valve		check valve		pressure & temperature valve
	temp/pressure gauge		circulator w/ isolation flanges		union		auto air vent
	expansion tank		pressure reducing valve		strainer		zone load
	backflow preventer		pressure relief valve		zone valve		drain valve

## Additional technical features:

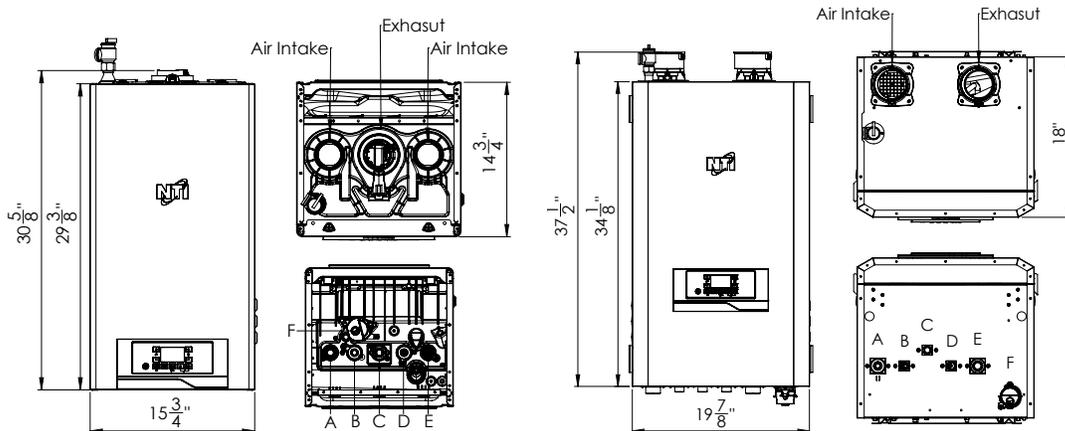
- Two adjustable and independent heating zone input
- Flexible left or right air Inlet on most models
- Field convertible to LP
- Outdoor sensor included for adjustable outdoor reset
- Cascade up to 8 boilers
- High energy ignition transformer
- Extremely quiet sealed cabinet design
- Optional 4-20mA or 0-10V input
- CH and DHW pump outputs
- Integrated easy-to-service DHW filter
- Error history
- Indirect water heater ready - either with tank thermostat or sensor

## DEPENDABLE BY DESIGN

At NTI, we manufacture all our boilers to the highest industry standards. Our in-factory Quality Control tests are the most rigorous in the industry. Every TRX boiler is factory fire-tested and calibrated for optimal performance. Our warranty provides you with the assurance of years of worry-free operation and our Technical Support is second-to-none.

## Dimensions

A	Central Heating Outlet
B	Domestic Hot Water Outlet
C	3/4" NPT Male Gas Inlet
D	Domestic Hot Water Inlet
E	Central Heating Inlet
F	Condensate Drain



TRX085,110,110C, 120 & 150C

TRX150, 199, 199C

## Specifications

	TRX085	TRX120	TRX150	TRX199	TRX110C	TRX150C	TRX199C
Input Heating MBH	9.4 - 85	13.2 - 120	15 - 150	19.7 - 197	11.2 - 106	13.2 - 120	19.7 - 197
Input (DHW Combi)					11.2 - 114	13.2 - 150	
AFUE	96%	95%	95%	95%	95.5%	95%	95%
Heating Capacity (MBH)	79	111	139	184	98	111	184
Net AHRI Rating (MBH)	69	97	121	160	85	97	160
Combi Water Flow at 77° FT Rise	N/A				2.7 GPM	3.5 GPM	4.8 GPM
Weight (lbs)	78.5	84.4	115	130	83.6	83.6	135
Water Content (Gallons)	1.1	1.1	2.0	2.7	1.2		2.7
Water Connection (Heating)	1" sweat		1-1/4" NPT-M		1" sweat		1-1/4" NPT-M
Water Connection (DHW)	3/4" sweat		3/4" NPT-M		3/4" sweat		3/4" NPT-M
2" Inlet & Exhaust Distance	100' max			N/A	100' max		N/A
3" Inlet & Exhaust Distance	150' max		150' max		150' max		150' max
Gas Connection All Models	3/4" Male						

For more information contact your local NTI representative or visit [ntiboilers.com](http://ntiboilers.com). Information at time of printing, and subject to change without notice.



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