TRINITY Lx

GAS BOILER OR WATER HEATER

Luxury features and quality – with superior efficiencies

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UNPARALLELED FEATURES

- State-of-the-art touchscreen display
- Unmatched levels of software features and customization
- Patented 316L stainless heat exchanger with efficiencies of up to 98% steady state and 93.7% AFUE
- Industry-leading modulation rates
- High-quality cabinetry with clearcoat finish
- Both vents conveniently located on the top

EFFICIENCY AND TECHNOLOGY

- Alarm contact
- Innovative floor or wall-mount configuration provides exceptional access to all components
- Factory-installed condensate trap with no moving parts
- Spark ignition with dual electrodes using a high-output transformer for unparalleled ignitions
- Removable door and hinged display panel for ultimate access and serviceability
- No clearance required on the back, bottom or right side
- Three configurable pump outputs

Luxury features and quality – with superior efficiencies

Making the right choice on home heating equipment is key

SAVE THE PLANET – The Trinity Lx can reduce greenhouse gas (GHG) emissions by up to 50%, and lead to a reduction of 2.5 tons of GHGs, equivalent to two acres or 280 trees.

SAVE MONEY – The Trinity Lx can result in savings of up to 25% on heating bills due to its superior efficiency.

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7" COLOUR TOUCHSCREEN DISPLAY

Once again, NTI is the first to offer advanced features and unsurpassed value. Our 7" colour touchscreen display is superior to competing displays:

- Summary page displays all operational data in easy-to-read format
- Control has numerous features to provide unmatched levels of sophistication and controllability
- Extremely customizable (units and parameters)
- Automatically detects other Lx boilers, for master slave operation, without the need for energy management controllers and stagers
- Additional display can be remotely mounted
- Modbus communication for connection to security or building management systems
- Installer parameters are password protected
- Exceptional array of software features:
  - Outdoor temperature reset
  - Indirect water heater management
  - Installer can select personal settings
  - Directly compatible with programmable thermostats
  - Warm weather shutdown
- Extensive diagnostic and troubleshooting functions
- Displays outdoor reset temperature curve
- Critical components are independently fused for superior protection
- Multiple inputs and outputs for ultimate controllability
- Accepts modulation input from other energy management controllers

INSTANTANEOUS WATER HEATER

The Trinity Lx 200, 300, 400, 500, 600, 700 and 800 are the only certified boilers that can be used as either a boiler or a Potable Instantaneous Hot Water Heater for commercial applications. When used as a Water Heater the Trinity Lx provides:

Endless Hot Water
When sized correctly the Trinity Lx can provide endless amounts of hot water.

Larger Capacity, Small Size
The Trinity Lx has tremendous output capacity, meaning that only limited water storage is required.

Unmatched Thermal Efficiency
The Trinity Lx is up to 98% efficient.

Superior Recovery
The Trinity Lx has one of the best recovery rates in the industry.

OUR ENVIRONMENTAL COMMITMENT

NTI is committed to clean and resource-friendly practices.

- Our products are the result of years of research and testing to determine effective and efficient means of heating and cooling that reduce resource dependency and GHG emissions.
- Our new facility is certified with the LEED (Leadership in Energy and Environmental Design) Green Building Rating Program.
- Our internal commitment to conservation is leading to more paperless practices, and the use of environmental stocks that are process chlorine free and use 100% recycled paper.
- Our outside printing companies and vendors are committed to using environmentally-friendly products and processes as well.

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GENERAL SPECIFICATIONS

	Lx150	Lx150E	Lx200	Lx300	Lx400	Lx500	Lx600	Lx700	Lx800
Input Modulation (1000 btu/hr)	25 - 150	25 - 150	25 - 199	55 - 275	75 - 399	100 - 500	120 - 600	160 - 700	160 - 800
Water (NPT)	1[1]	1	1	1 1/4	1 1/4	2	2	2	2
Weight (lbs)	100	125	125	180	225	320	380	450	450
Max. Pressure (PSI)	145[2]	145		160	145	160	160	160	160
Gas Connection (NPT)	1/2			1/2	3/4	3/4	1	1	1
Vent & Air Size – Max. Length	3" - 105' NG, 50' LP			4" or 6" – 100'[5]					
Dimensions (H x W x D)	29.5 x 17 x 18.5"			36 x 17 x 21"	36 x 17 x 24"	43 x 17 x 32"	37 x 17 x 47.5"	37 x 17 x 63.5"	

BOILER SPECIFICATIONS

	Lx150	Lx150E	Lx200	Lx300	Lx400[4]	Lx500[4]	Lx600[4]	Lx700[4]	Lx800[4]
DOE Heating Capacity (btu/hr)	136,000	136,000	181,000	251,000	375,000	470,000	564,000	658,000	752,000
Net I=B=R Rating (btu/hr)	118,000	118,000	157,000	218,000	326,000	409,000	490,000	572,000	654,000
DOE AFUE (%)	93.5	93.5	93.5	93.7	94[3]				

WATER HEATER SPECIFICATIONS

	Lx200	Lx300	Lx400	Lx500	Lx600	Lx700	Lx800
Recovery Rating @ 100ºF Rise	224 GPH	310 GPH	450 GPH	564 GPH	677 GPH	789 GPH	902 GPH
Min. Thermal Efficiency (%)	94						
Additional Equipment Required[6]	Storage Tank, Aquastat, Bronze Pump & Flow Switch						

[1] 3/4" for Canadian Lx150
[2] 30PSI for Canadian Lx150
[3] Thermal efficiency – AFUE is not applicable
[4] Validation pending for some specifications
[5] Only 6" exhaust vent is permitted with the Lx700 and Lx800
[6] Factory installed flow switch on models Lx500 through Lx800

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As NTI continuously strives to improve our products, we reserve the right to make changes without prior notification.