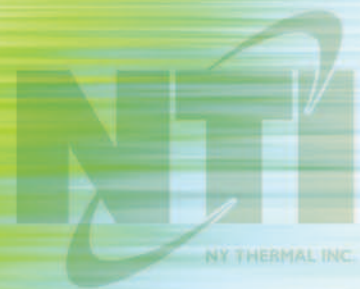


# TRINITY<sup>Lx</sup>

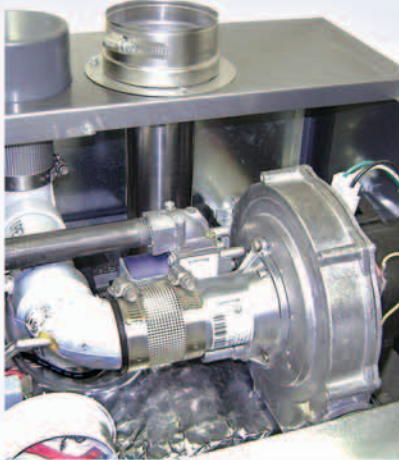
GAS BOILER OR WATER HEATER

Luxury features  
and quality –  
with superior  
efficiencies



## 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 97% AFUE
- Industry-leading modulation rates
- High-quality cabinetry with clearcoat finish
- Both vents conveniently located on the top



# TRINITY<sub>Lx</sub>

GAS BOILER OR WATER HEATER



*Luxury features  
and quality – with  
superior efficiencies*

## 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



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

## *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.



[www.nythermal.com](http://www.nythermal.com)



## 5.7" COLOUR TOUCHSCREEN DISPLAY

Once again, NTI is the first to offer advanced features and unsurpassed value. Our 5.7" 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.

# TRINITY<sub>Lx</sub>

GAS BOILER OR WATER HEATER



## GENERAL SPECIFICATIONS

	Lx150	Lx150E	Lx200	Lx300	Lx400	Lx500	Lx600	Lx700	Lx800
Input Modulation (1000 btu/hr)	30 - 150	30 - 150	40 - 199	55 - 275	80 - 399	100 - 500	120 - 600	160 - 700	160 - 800
Water (NPT)	1 <sup>1</sup>	1	1	1 1/4	1 1/4	2	2	2	2
Weight (lbs)	100	125	125	190	225	325	400	450	450
Max. Pressure (PSI)	145 <sup>2</sup>	145	160	145	160	160	160	160	160
Gas Connection (NPT)	1/2		1/2	3/4	3/4	1	1	1	1
Vent & Air Size – Max. Length	3" - 105' NG, 50' LP			4" or 6" – 100' <sup>5</sup>					
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 28.5"	37 x 17 x 44"	37 x 17 x 53.5"	

## BOILER SPECIFICATIONS

	Lx150	Lx150E	Lx200	Lx300	Lx400 <sup>4</sup>	Lx500 <sup>4</sup>	Lx600 <sup>4</sup>	Lx700 <sup>4</sup>	Lx800 <sup>4</sup>
DOE Heating Capacity (btu/hr)	136,000	139,000	182,000	251,000	374,000	468,000	562,000	655,000	748,000
Net I=B=R Rating (btu/hr)	118,000	121,000	158,000	218,000	325,000	406,000	488,000	569,000	650,000
DOE AFUE (%)	95.1	97	95.1	95.1	94 <sup>3</sup>				

## WATER HEATER SPECIFICATIONS

	Lx200	Lx300	Lx400	Lx500	Lx600	Lx700	Lx800
Recovery Rating @ 100°F Rise	224 GPH	309 GPH	450 GPH	564 GPH	677 GPH	789 GPH	900 GPH
Min. Thermal Efficiency (%)	93						
Additional Equipment Required	Storage Tank, Aquastat, Bronze Pump & Flow Switch						

<sup>1</sup> 3/4" for Canadian Lx150

<sup>3</sup> Steady State efficiency – AFUE is not applicable

<sup>5</sup> Only 6" exhaust vent is permitted with the Lx700 and Lx800

<sup>2</sup> 30PSI for Canadian Lx150

<sup>4</sup> Validation pending for some specifications



### NY THERMAL INC.

30 Stonegate Drive, Saint John  
New Brunswick E2H 0A4 Canada  
Tel: 506-657-6000  
Toll-free: 800-688-2575  
Fax: 506-432-1135

[www.nythermal.com](http://www.nythermal.com)



DISTRIBUTED BY:

