

TRINITY FIRE TUBE

High Efficiency Condensing Boiler

Stainless steel down-fired
Fire Tube design

Nine models from
60,000 to 399,000 BTU/Hr

Full modulation up to
5:1 turndown

Advanced Sola Controller
and **ifLEX** Interface

Low NOx operation

Venting to 150'

2" venting on three models



**96% AFUE
Efficiency**



nythermal.com

INNOVATION AS SOLID AS STEEL

Down-fired Fire Tube

The **tft** heat exchanger is ASME certified and uses an innovative down-fired concept. The tubes have a dimpled design to optimize heat transfer, which increases energy efficiency. The Fire Tubes provide generous space for flue gas to pass, and significantly reduce the need for cleaning due to the vertical configuration and self-cleaning operation when in condensation mode.



Stainless steel design

The wet leg combustion chamber enables up to 99% combustion efficiency. The ASME certified heat exchanger is constructed using 439 Stainless Steel, making it extremely resistant to corrosion.

The Fire Tube design allows water to flow freely around the heating surfaces of the boiler, which significantly reduces pressure drop.

Efficiencies & performance

The **tft** provides AFUE efficiencies up to 96%. NTI was the first to develop the totally-sealed combustion system, whereby air is not drawn from the cabinet.



Boiler Features

- Easy to install and maintain
- Down-fired, Fire Tube stainless steel boiler
- Stainless steel internal water connections
- Certified internal low water cut-off with test button
- Fully-modulating combustion system
- Condensate pump receptacle
- Built-in gas drip leg
- Wall-mount configuration with optional floor stand
- Improved venting orientation with flue test port
- On/off power service switch
- High-quality metallic clear coat finish
- High-energy external spark generator
- ASME certified boiler
- Certified ANSI Z21.13
- 15-year limited warranty

Controller Features

- Ultimate controllability with advanced Sola Controller
- Detailed troubleshooting information (self-diagnostic display)
- Advance operation for multiple boilers – “Lead-Lag” cascade system maximizes efficient operation
- Outdoor reset temperature operation increases boiler and system efficiency
- Ability to control three separate temperature setpoints
- Comes standard with Modbus capability
- DHW and central heat modulation limiting
- Ability to control three separate pumps
- 4-20mA heat input for setpoint or modulation control
- Freeze protection parameters
- Warm weather shutdown
- Contacts for external limits and alarms



ifLEX interface

Provides easy navigation to all of the controller's parameters and setpoints. The backlit screen continuously displays system information to ensure safe and efficient operation.



Flexibility

The design of the **tft** offers more flexibility than any other boiler on the market, with vent runs up to 150', five vent termination options, 2" venting on some models and plumbing and gas connections at either top or bottom.



ifLEX touchscreen

The optional 5.7" colour touchscreen provides for easy programming and control. The Windows-like touchscreen allows quick setup with user-friendly screen displays and options.



Innovative

NY Thermal Inc. has been an industry leader providing the ultimate in features and efficiency. Our 40-year-old family business is committed to continuous product improvement. When you buy NTI, you buy the best.



Efficient

Save the planet: The **tft** 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 of, or 280, trees.

Save money: Savings of up to 40% on heating bills due to superior efficiency. If you pay \$1,800 annually, you could save \$720 a year, or \$3,600 in five years.



Dependable

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

Model	Max. Rate NG/LP (MBH)	Min. Rate NG/LP (MBH)	Max. Vent Length 2" NG/LP (ft)	Max. Vent Length 3" (ft)	Max. Vent Length 4" NG/LP (ft)	Height (inches)	Width (inches)	Depth (inches)
Tft60	60/65	17/20	100/35	150	NA	33-3/8	19-1/2	14-1/2
Tft85	85/88	17/20						
Tft110	108/113	21.6/30	100/25					
Tft155	155	31	NA	100	NA	33-3/8	19-1/2	18-1/2
Tft175	175	35						
Tft200	200	40						
Tft250	250	50						
Tft300	300	70	NA	NA	100	36-3/8	25	20
Tft399	399	80						



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

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