



Trinity Lx200 High Efficiency Gas Condensing Boiler & Water Heater

Submittal Sheet

Section 1 - Specifications
Section 2 - Dimensions
Section 3 - Electrical

Project Name: _____ Date: _____

Location: _____

Engineer: _____

Contractor: _____ Rep: _____

1 SPECIFICATIONS

General Specifications

Product Features

- Certified to ANSI Z21.13 / CSA 4.9 Gas-fired Boiler Standard
- Certified to ANSI Z21.10.3 / CSA 4.3 Gas Water Heater Standard
- ASME "H" stamped boiler, designed and constructed in compliance with the ASME Boiler and Pressure Vessel Code Section IV
- SA-249 TP316L Stainless Steel Heat Exchanger
- Maximum operating pressure 145 psi [1000 kPa]
- Field conversion from Natural Gas (factory) to Propane
- Modulating burner, 8:1 turndown
- Direct Spark Ignition
- Wall or floor mounting
- Zero clearance to combustibles

Optional sidewall vent kit (NTI part # 82666 & 84357)

Factory Supplied Items

- 1 – 500ml bottle Fernox F1 Protector
- 10K outdoor sensor (system sensor optional)
- 30PSI & 125PSI ASME Relief Valves
- 60PSI & 160PSI Pressure Gauges

Control Features

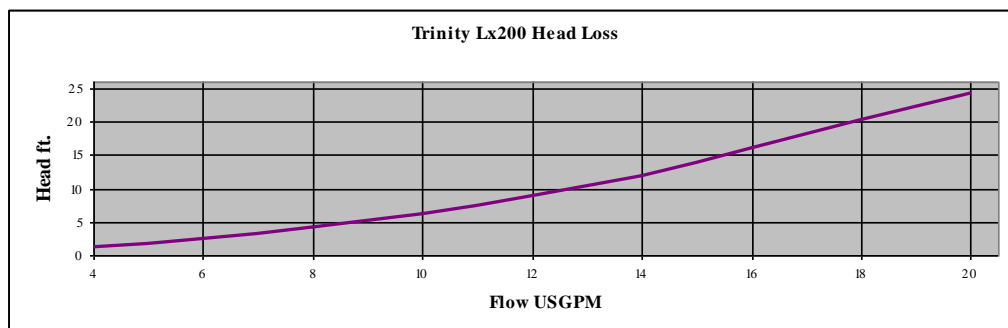
- Integral microprocessor safety control
- 2 central heat inputs (high & low temperature)
- Domestic Hot Water Priority
- Outdoor reset
- Warm weather shutdown
- Lead-Lag up to 8 Lx series boilers
- Integrated Modbus RTU for connection to BMS gateways

Water Connections NPT, in.	Gas Connection NPT, in.	Vent/Air-Intake Pipe Diameter in. [mm]	Vent/Air-Intake Max. Length, NG/LP ft. [m]	Approx. Weight with Water lb. [kg]
1	1/2	3 [76]	105 / 50 [32 / 15.2]	125 [56.7]

Heating Specifications

Input		Heating Capacity BTU/hr [kW]	Recovery Rate @ 100°F Rise USGPH	AFUE %	Net I=B=R Rating BTU/hr [kW]
Min BTU/hr [kW]	Max BTU/hr [kW]				
25,000 [7.3]	199,000 [58.3]	181,000 [53]	224	93.5	157,000 [46]

Performance Specifications



NY Thermal Inc.

65 Drury Cove Road, Saint John, NB E2H 2Z8 Canada

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Rev.5

Technical Service: 1-800-688-2575 Fax: 1-506-432-1135 Web: <http://www.nythermal.com>

NY Thermal Inc. reserves the right to change these specifications without notice

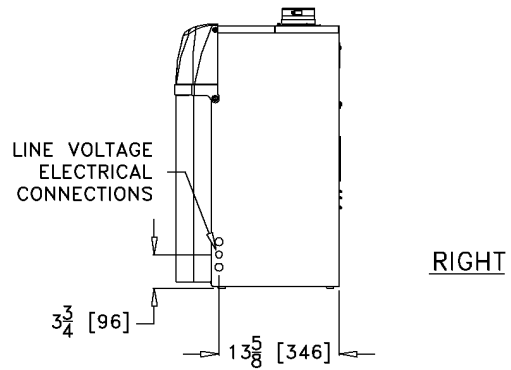
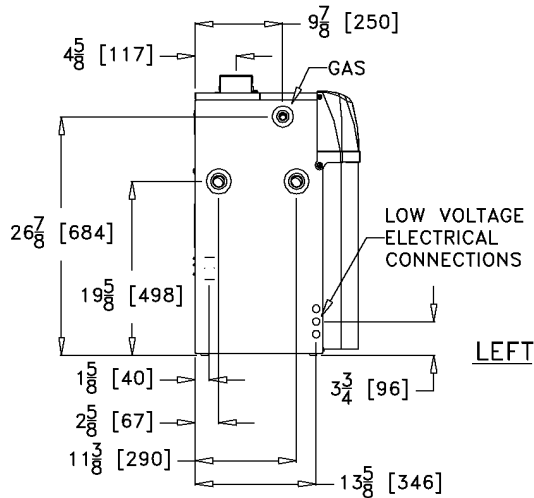
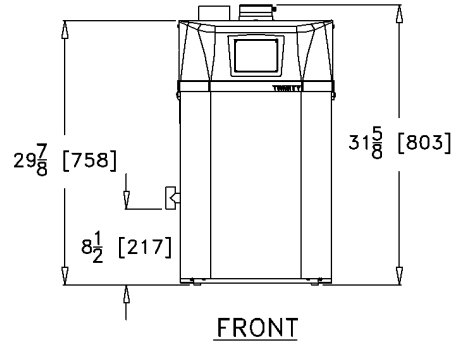
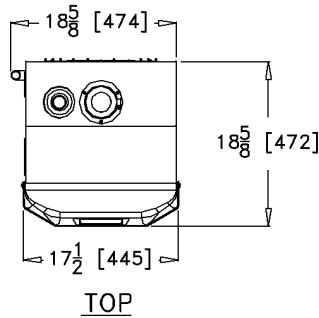


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2 DIMENSIONS

Product Dimensions – in. [mm]



Recommended Clearances – in. [mm]

Top	Front	Left	Right	Back	Bottom
24 [610]	24 [610]	24 [610]	4 [102]	0	0



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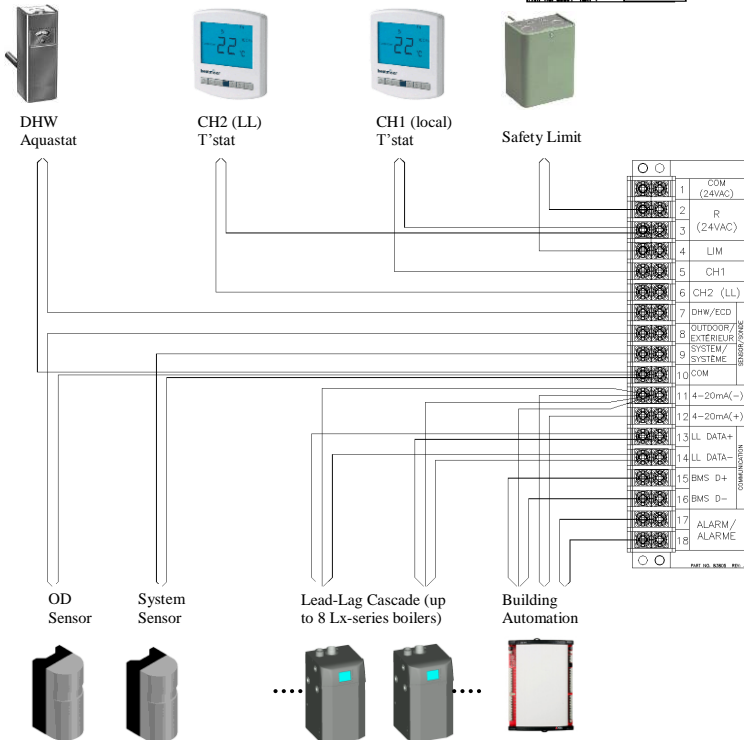
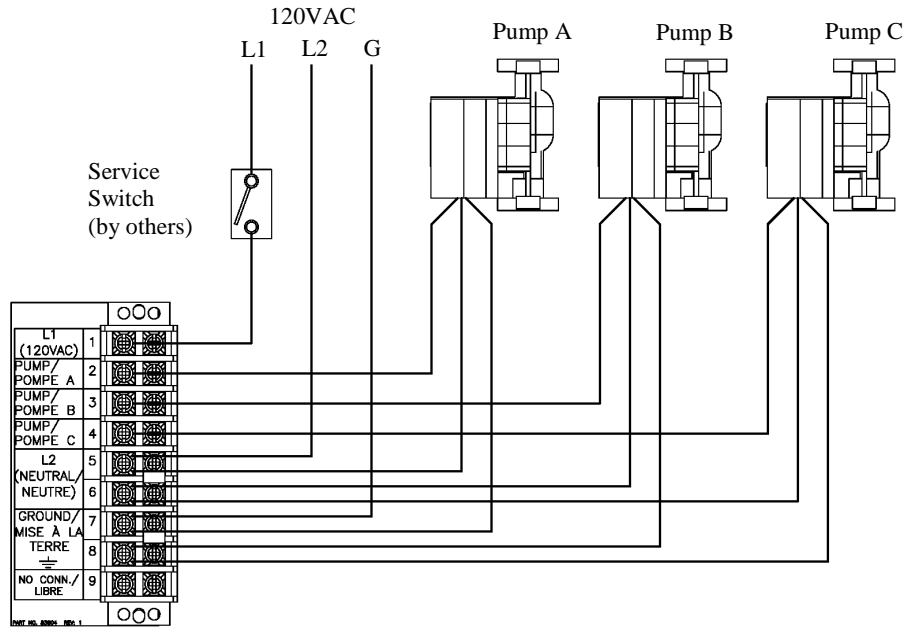
3 ELECTRICAL

Simplified Wiring Diagrams

Line Voltage Electrical:

- ▶ 120VAC / 60 Hz / 1 Phase / 12 Amp
- ▶ Barrier Strip for field wiring terminations
- ▶ 3 Pump outputs
 - Indirect Domestic Hot Water (Pump A)
 - Boiler (Pump B)
 - Central Heat (Pump C)

Note: Pumps are field supplied.



Low Voltage Electrical:

- ▶ Barrier Strip for field wiring terminations
- ▶ 120/24 VAC Transformer 40VA (factory supplied)
- ▶ Inputs
 - CH1 thermostat (by others)
 - CH2 thermostat (by others)
 - Indirect DHW aquastat (by others) or DHW Tank sensor (factory option)
 - External Limit (by others)
 - Outdoor sensor (factory supplied)
 - System sensor (factory option)
 - 4-20mA external modulating control (by others)
- ▶ Outputs
 - Alarm dry contact (24VAC 0.63A max.)
- ▶ EIA-485 Modbus communications for Lead-Lag
- ▶ EIA-485 Modbus to BMS gateways (not shown).

Optional available gateways:

- BACnet/N2- NTI part # 84946
- LonWorks- NTI part # 84947



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