

Trinity Lx500 High Efficiency Gas Condensing Boiler & Water Heater

Submittal Sheet

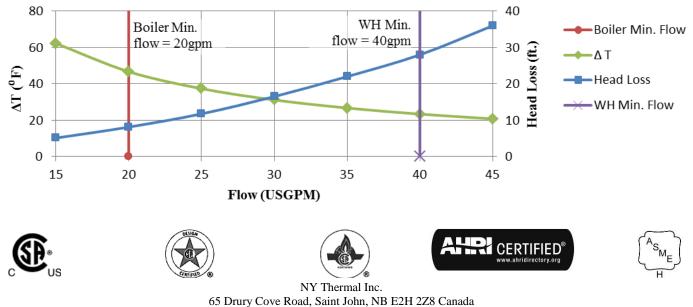
Section 1 - Specifications Section 2 - Dimensions Section 3 - Electrical

Project Name: Location:	Date:							
Engineer:								
Contractor:			Rep:	Rep:				
J'SPECIF	ICATIONS							
General Speci	fications							
 Certified to ANS: ASME "H" stamp the ASME Boiler SA-249 TP316L CSD-1 compliant Maximum operat Modulating burne Direct Spark Igni Zero clearance to Optional Side Wall V Factory Supplied Iter 	ing pressure 160 psi [110] er, 5:1 turndown tion combustibles Vent Terminal Kits NTI pa	Water Heater Standard onstructed in compliance e Section IV anger 3 kPa] art # 83236, 84355, 8433	 60PSI & 160PSI Press Control Features Integral microprocess 2 central heat inputs (I Domestic Hot Water H Outdoor reset Warm weather shutdo Time of day input Lead-Lag up to 8 Lx s 	nox F1 Protector IE Relief Valves sure Gauge or safety control high & low temperature) Priority				
Water Connections NPT, in.	Gas Connection NPT, in.	Vent/Air-inlet Pipe Diameter, in.	Vent/Air-inlet Max. Length, ft.	Approx. Weight with Water, lb.				
2 (Female)	³ /4 (Male)	4	100	320				

Heating Specifications

Input Modulation,	Gross Output	Combustion	Thermal	Net I=B=R Rating,	Recovery Rate
MBH	Capacity, MBH	Efficiency, %	Efficiency, %	MBH	@ 100°F Rise, USGPH
100 - 500	470	95	94	409	564

Performance Specifications



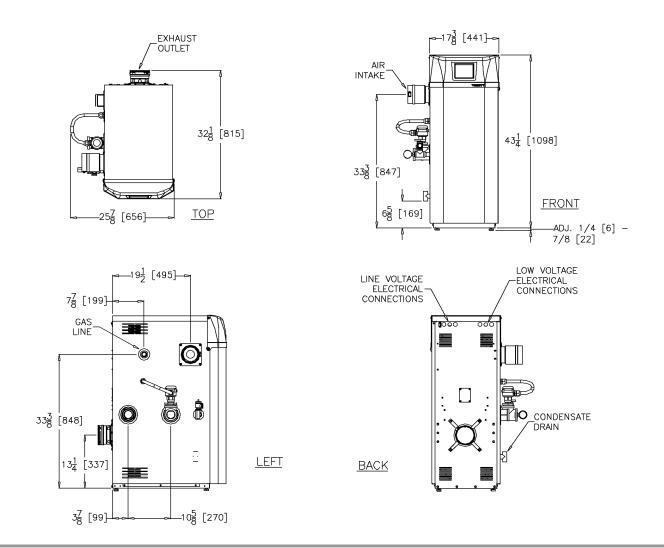
2013-09-24 Rev.5 65 Drury Cove Road, Saint John, NB E2H 2Z8 Canada Technical Service: 1-800-688-2575 Fax: 1-506-432-1135 Web: http://www.nythermal.com NY Thermal Inc. reserves the right to change these specifications without notice



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² DIMENSIONS

Product Dimensions – in. [mm]



Recommended Clearances – in. [mm]

Тор	Front	Left	Right	Back	Bottom
24 [610]	24 [610]	24 [610]	12 [305]	24	0











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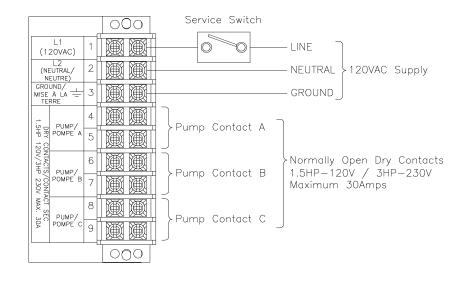
ELECTRICAL

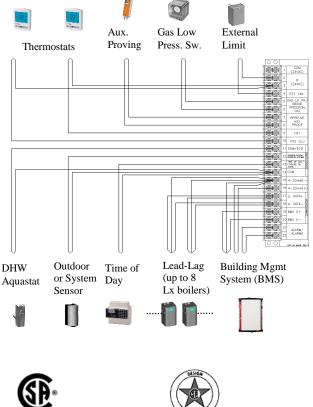
Simplified Wiring Diagrams

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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