

Submittal Sheet

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

Project Name:			Date:	
Location:				
Engineer:				
Contractor:		Rep:		
	ICATIONS			
General Speci	fications			

- ► Product Features
 - Certified to ANSI Z21.13 / CSA 4.9 Gas-fired Boiler Standard
 - Performance rated to CSA P.10 Premium rating
 - Modulating burner, 6:1 turndown
 - Space heating via Forced-air and/or Hydronics
 - Instantaneous Hot Water Heater
 - Heat Recovery Ventilator (HRV)
- ► Factory Supplied Items
 - Outdoor temperature sensor
 - Plenum temperature sensor
 - 30PSI ASME Relief Valve
 - Pressure Regulating Valve (PRV)
 - 60PSI Pressure Gauge
 - Natural Gas to LP conversion kit
 - Vent termination bird screens
 - 500ml bottle of Fernox F1 Inhibitor

- ► Control Features
 - Automatic multistage Force-air heating (14-105MBH output)
 - Hydronic heating with integrated primary-loop plumbing and Outdoor Reset control
 - Output sharing logic for combined Force-air and Hydronic space heating loads
 - DHW priority with auto-adjusting boiler temperature setting
 - Two stage cooling ready, each stage adjustable from 400-1600 CFM (AC components not included)
 - Adjustable Circulation fan rate (400-1600 CFM)
 - Heat Recovery Ventilation (HRV) with two fully adjustable rates
 - Dehumidification/Override Ventilation (Winter only)
 - Ventilation balancing with electronic control of inlet and outlet fans

1/2

3 or 4

 105^{1}

300

- Input for optional DHW storage tank recirculation
- ► Optional sidewall vent kit (NTI part # 82666)

Gas Connection NPT, in.

Vent/Air-intake Pipe Diameter,

in. Vent/Air-intake Pipe Length, ft.

Approximate Weight, lb

Supply Plenum, in.	22.5 x 18.5
Return Plenum, in.	18 x 18
DHW Connections NPT, in.	3/4
Hydronic Connections NPT, in.	3/4

1 – Maximum vent/air-intake length for LP when using 3" piping is 50'.

Performance Specifications

Boiler (ANSI/ASHRAE 103)			
Input (Min), BTU/hr	25,000		
Input (Max), BTU/hr	150,000		
DOE Heating Capacity, BTU/hr	136,000		
AFUE, %	93.5		
Net 1=B=R Rating, BTU/hr	118,000		

Annual Electrical Consumption, kWh/y1826Overall Thermal Performance Factor0.91Performance LevelPremium

IMS (CSA P.10)

HVAC Specifications

Air Flow Heating, CFM	Air Flow Cooling, CFM	Air Flow Continuous, CFM	HRV Ventilation, CFM
400 - 1200	400 - 1600	400 - 1600	70 - 150











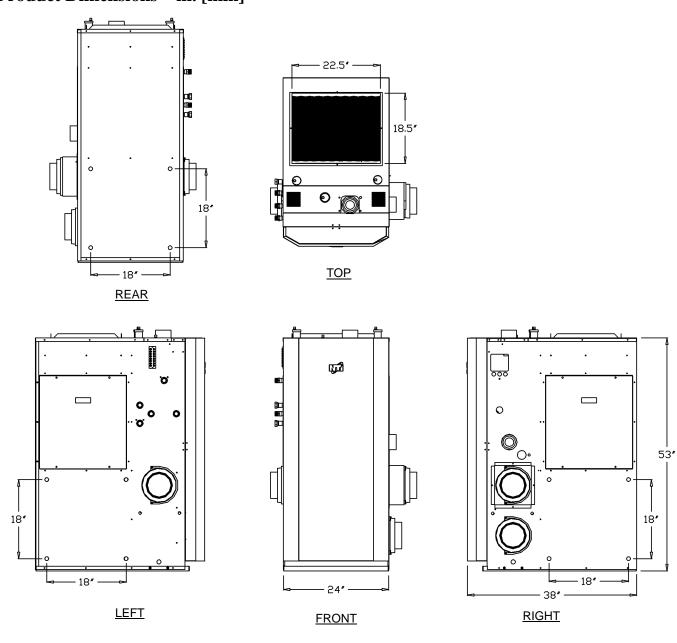
NY Thermal Inc. 65 Drury Cove Road Saint John, NB E2H 2Z8 Canada Technical Service: 1-800-688-2575 Fax: 1-506-432-1135 Web: http:// <u>www.nythermal.com</u> NY Thermal Inc. reserves the right to change these specifications without notice.



Submittal Sheet

ک DIMENSIONS

Product Dimensions – in. [mm]













NY Thermal Inc. 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



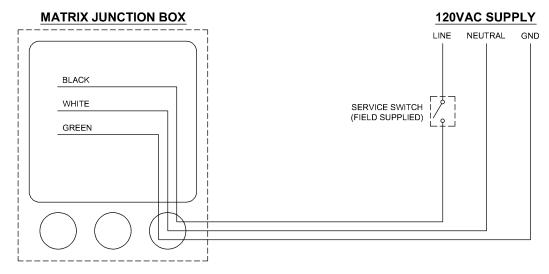
Recommended Clearances - in. [mm]

Тор	Front	Left	Right	Back	Bottom
24 [610]	24 [610]	24 [610]	24 [610]	6 [152]	0

3 ELECTRICAL

Simplified Wiring Diagrams

Line Voltage Field Wiring



Low Voltage Field Wiring

PLENUM SENSOR		PLENUM SENSOR (FACTORY SUPPLIED)	
H FS DH G R 24V			THERMOSTAT (TYPICAL)
W1			W/W1 - SPACE HEAT (STAGE 1) W2 - STAGE 2 SPACE HEAT (OPTIONAL) Y1 - STAGE 1 AC/HP Y2 - STAGE 2 AC/HP
NC COM NO 24∨ COM	HYDRONIC HEAT LOCKOUT RELAY, USED ONLY WITH HYDRONIC ADD-ONS (SEE SECTION 6)		COM - 24VAC
C THERMOSTAT			











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













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