NTI LATITUDE™

COMMERCIAL CONDENSING BOILER & VOLUME WATER HEATER

REDEFINING FLEXIBILITY IN COMMERCIAL HEATING

Engineered for ultimate adaptability, the NTI Latitude™ series uses **one SKU** that can be configured as either a high-efficiency commercial condensing boiler or a volume water heater to meet the unique requirements of virtually any commercial space. NTI Latitude provides greater project flexibility while simplifying specification, inventory, and installation planning.

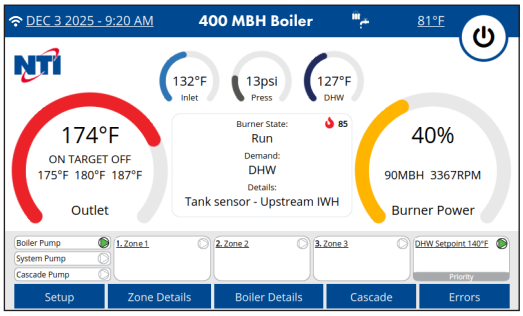


KEY FEATURES:

- **High-Efficiency - up to 98% Thermal Efficiency (97% for boiler models)**
- **400,000 - 2,000,000 BTU Models Available***
- **Modern Touchscreen User Interface**
- **10:1 Turndown**
- **Direct Vent or Indoor Combustion Air up to 150 Feet**
- **BMS Ready**
- **Easy Access Service**
- **Common venting capability built into the heat exchanger & supports up to four units of the same capacity****

*1,500,000 - 2,000,000 BTU models available in 2027
**Pending certification expected December 2026

TOUCHSCREEN USER INTERFACE



High-quality 7" color touchscreen display designed to improve usability thanks to angled display and easy-to-read graphics

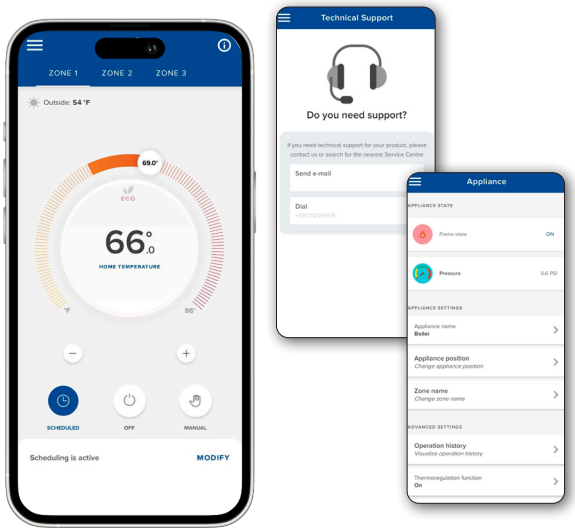
Proprietary control intuitive and easy to program with our EZ Set Up Wizard, designed with input from contractors, to deliver intuitive, and quick set up and performance.

- Cascade up to 8 boilers
- Integrated 3-zone control
- Settings backup & restore options
- Lockout, error and warning history

SMART CONNECTIVITY WITH NTInet

The NTI Latitude™ series is Wi-Fi enabled to allow remote diagnostic and 24/7 monitoring via the NTI Remote Contractor web-based diagnostic service capability:

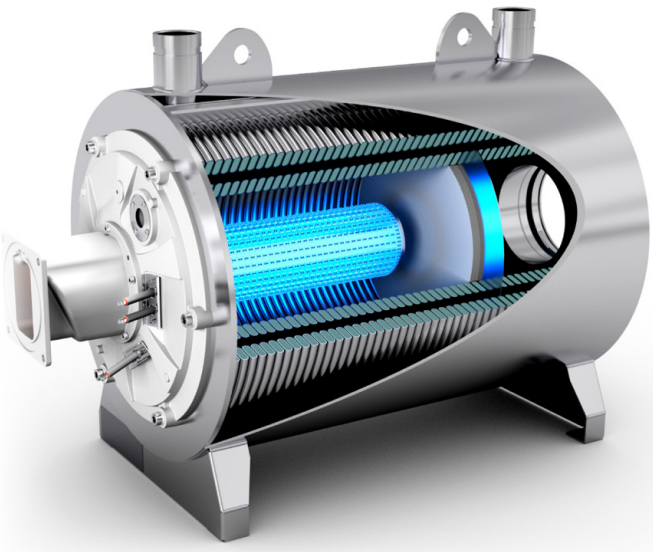
- Contractors can remotely manage single & multi-boiler installations
- Accessible data includes boiler readings, settings, status, history, statistics, troubleshooting & more, in real time, in an easy-to-view format
- All settings are remotely adjustable, & all changes tracked
- Service issues can be investigated remotely through viewing any past or current boiler errors
- Blocking errors promptly trigger an email notification allowing contractors to proactively notify customers of service issues with viewable log graph for easy reference
- NTI's Tech Support can connect to view boiler diagnostics



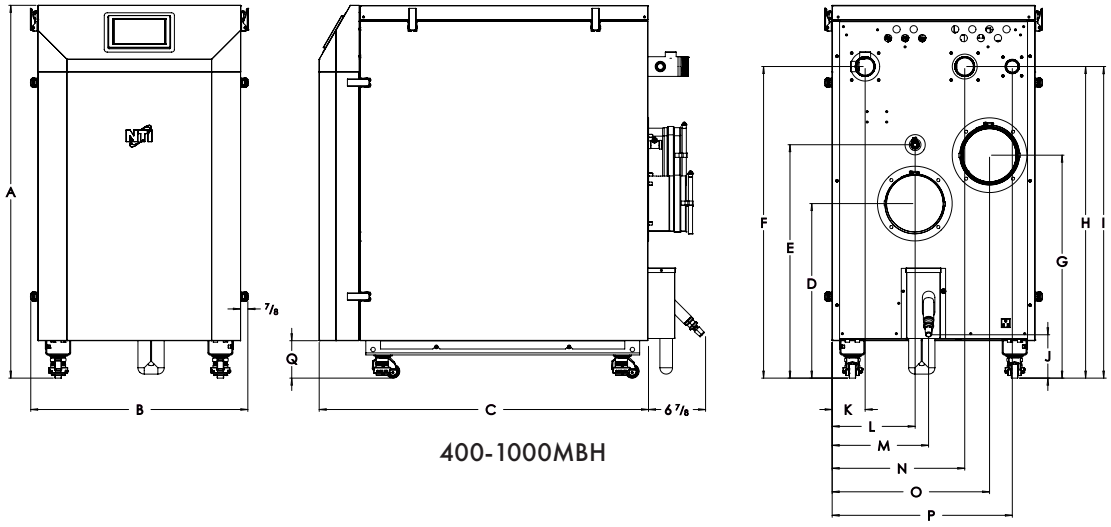
4 PASS HEAT EXCHANGER

Combustion burner technology, low NOX operation and a unique design provide a uniform stable flame for years of trouble-free operation, while avoiding clogging and hot spots normally seen on other premix burners.

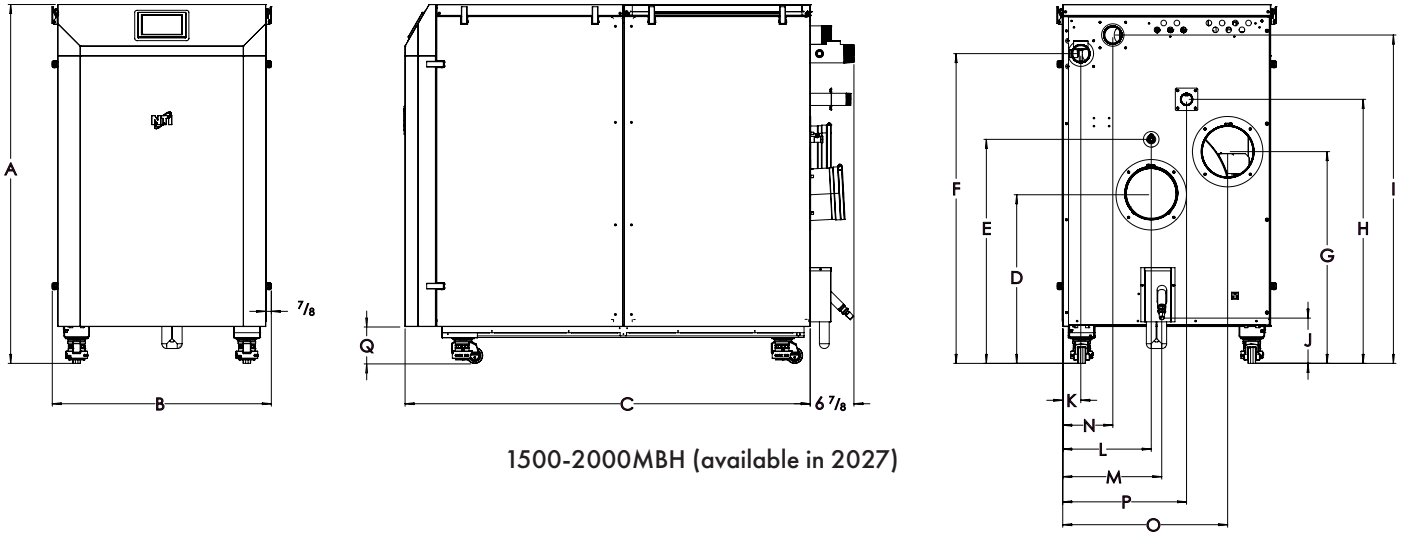
- Quality Stainless Steel Heat Exchanger
- The Highly Efficient 4 Pass Heat Exchanger Design Multiplies the Heat Transfer
- Reduced Pressure Drop



PRODUCT DIMENSIONS



400-1000MBH



1500-2000MBH (available in 2027)

NCW-XXX	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
400-500	44.9	26.2	31.6	21.0	28.1	37.5	26.9	37.5	37.5	5.25	4.0	10.0	11.6	16.0	19.0	21.1	4.5
650			39.6														
800	45.4		42.4	21.5	21.5	38	27.3	38	38	5.75						21.7	4.9
1000			47.2														
1500	56	34.3	55.1	26.3	35	48.4	33.1	39.5	51.3	7.2	2.0	13.8	15.5	7.8	25.8	18.9	5.75
2000			63.3					41.2								19.3	

100% CHECKED AND TESTED

Every single NTI product undergoes a rigorous internal process of automated quality, efficiency and safety tests before coming to you.

PRODUCT SPECIFICATIONS

Model		NCW400	NCW500	NCW650	NCW800	NCW1000	NCW1500*	NCW2000*
Installation		Indoor, Floor Mounted, Fully Condensing						
Minimum / Maximum input (BTU/hr)[1]		39,000 / 399,000	50,000 / 500,000	65,000 / 650,000	80,000 / 800,000	100,000 / 1,000,000	150,000 / 1,500,000	200,000 / 2,000,000
Heating Capacity[1, 2] (MBH)		387	485	630	776	970	1,455	1,940
Net AHRI Rating, Water (MBH) [2]		337	422	548	675	843	1265	1687
Water Heater Only	Thermal Efficiency (%)	98						
	Recovery Rating (US Gal./hr)	475	594	772	950	1188	1781	2375
	Standby Loss (BTU/hr)	N/A					345	547
Flue System		Category II, Category IV, Sealed Combustion Direct Vent, Non-Direct Vent						
Air Intake Vent Length		0 - 150 feet						
Exhaust Vent Length		6 - 150 feet						
Exhaust Vent Size		4"		6"			8"	
Approved Exhaust Vent Materials[3]		PVC, CPVC, PP, Stainless Steel						
Gas Supply Pressure	NG	3.5" to 10.5" WC						
	LP	8" to 13" WC						
Power Supply		120V, 60 Hz, less than 12A (400-1500) | less than 16A (2000)						
Ignition System		Direct Electronic Spark Ignition / Flame Rectification						
Burner System		Premixed Fuel Modulation / Stainless Steel Burner						
Gas Valve System		Air Ratio Valve						
Approx. Water Content (gallons)		3.8	4.3	5.6	6.6	8.1	12.9	16.25
Setpoint Temperature Range		50 - 190˚F						
Water Pressure (PSI)	Heat Exchanger MAWP (Max. Allowable Working Pressure)	160						
	Pressure Relief Valve	50 (boiler) | 150 (water heater)						
Control Panel / Main Controller		AristonThermo Display / AristonThermo ACP Control						
Connection Sizes (NPT)	Supply / Return	2"					2 ½"	
	Gas Inlet	¾"	1"	1 ¼"			1 ½"	
Materials	Cabinet	Painted Steel						
	Heat Exchanger	316L Stainless Steel Water Tube						
Safety Devices		Flame Rectifier Probe, Temperature Limit Control (210˚F), Water Pressure Sensor, Freeze Protection, Blocked Condensate Pressure Switch, Condensate Trap, Flue Temperature High Limit Sensor (210˚F) Blocked Vent Pressure Switch, Flow Switch						

NOTES:
1 Listed Input and Output Ratings are at minimum vent lengths at an altitude of 0 - 2000 ft. Numbers will be lower with longer venting and/or altitudes greater than 2000 ft.
2 Ratings based on standard test procedures prescribed by the US Department of Energy.
3 This appliance requires a special venting system when installed as Category IV. Use only the vent materials and methods detailed in these installation instructions.

*1,500,000 - 2,000,000 BTU models available in 2027
**All data for NG, LP Conversion Kit included

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