

Combi Gas Water Heater | Furnace



*High Efficiency Combustion System | **97.1% AFUE***

*Design Innovation | **HIGH TDR Burner Technology***

*Small Footprint | **Single Appliance, Dual Function***

*Cost Effective | **Simple Installation***

World's Best & Most Efficient Combi-Furnace

*The **Game changer** in the **Furnace industry**...*

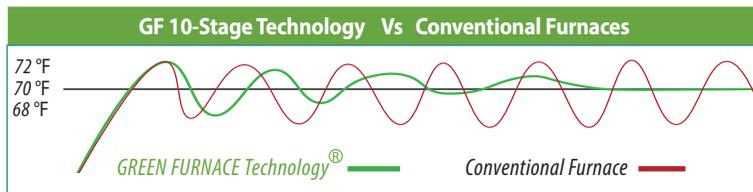
The Game Changer...

The **GF 200** is a cross-breed merging of best practices from hydronics, tankless water heating and forced air heating, offering the world's most efficient Combi-Furnace. With **GREEN FURNACE Technology**,[®] the **GF 200** has outstanding performance and unparalleled features and is the future of hot water and heating for your home.



GF 200
GREEN FURNACE Technology[®]

GREEN FURNACE Technology[®]



Proprietary & Exclusive software delivers optimum comfort and maximum efficiency by minimizing cycling with 10 stages of modulation to provide ultra smooth heat output to your home in all conditions.

Reduced temperature swings compared to conventional furnaces provides improved comfort and reduced fuel consumption and associated **greenhouse gas** emissions.



Inlet	# of simultaneous 2.5 GPM showers
40 °F	2
55 °F	3
70 °F	4

Temperature Rise (°F)	Flow Rate GPM
50	7.8
55	7.1
60	6.5
65	6
70	5.5
75	5.2
80	4.8
85	4.6

Key Features...

Here's why the **GF 200** is the installer's choice:

- Industry's Best Combi-Furnace
 - 96% TPF | 97.1% AFUE
- With Full Modulation, 'One size fits all'
- 5 GPM @ 80°F Temperature Rise
- Low NOx Emissions | NSF Low Lead Certified
- Stainless steel heat exchangers for extended life & durability
- Internal Recirculation & Buffer Tank
 - Eliminates cold water sandwich
 - No minimum flow rate required
- Simple Installation - Small Footprint
 - Venting 2" (60') | 3" (150')
 - Field Convertible to LP Gas

Advanced Features...

Innovative technology and outstanding performance

Simultaneous DHW and Heating up to 170 MBH (85% burner capacity); Automatic DHW priority above 170 MBH.



DEC Star ECM Blower automatically adjusts to overcome static pressure to maintain CFM. Shaftless blower system reduces air flow restrictions and improves efficiency

Negative pressure gas valve w/ pre-mix burner provides full modulation from 20-200 MBH

Combined DHW & Space heating appliance

The industry's most innovative appliance with combined space heating and DHW. Easily replace existing furnace and water heater at the same time to save space and cut costs.

Design Innovation

Fully enclosed air flow pathway provides a quiet, consistent air flow across the fan coil which minimizes losses and maximizes efficiency and comfort.

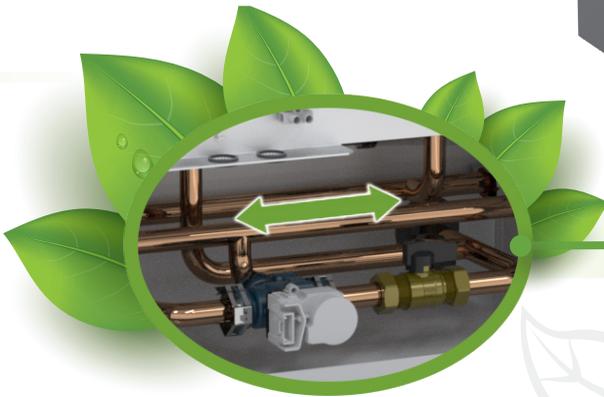
High Efficiency Combustion System

Fully modulating condensing combustion system with high TDR burner technology. Two stainless steel heat exchangers provide longer life expectancy as they are highly resistant to corrosion and erosion compared to copper heat exchangers. Condensing technology offers significantly higher efficiencies compared to regular furnaces.

State-of-the-art blower

Bringing together a High Efficiency Blower (HEB) Housing, Axial Flux (No Shaft) BLAC Motor, and next generation advanced Variable Speed ECM Technology into one innovative assembly.

Delivering the most efficient blower in the market by providing improved airflow, and lower maintenance costs which clearly demonstrates you can do more, with less.



Dual Connections

Integrated plumbing

Built-in pump, quick connects and easy access means a quick installation. The GF 200 features dual left side/right side reversible connections for optimal installation flexibility.

Specifications...

Item	GF 200	
Heat Capacity (Input)	Natural Gas	Space Heating: 19,900 - 80,000 BTH/HR
	Propane Gas	DHW Heating: 19,900 - 199,000 BTU/HR
AFUE	Furnace (for NG & LP)	97.1%
Energy Factor	DHW (for NG & LP)	0.97
Flow Rate	50 °F (28 °C) Temp Rise	7.8 GPM (29 L/m)
	65 °F (36 °C) Temp Rise	6.0 GPM (23 L/m)
	80 °F (44 °C) Temp Rise	4.8 GPM (18 L/m)
Dimensions	17.75 in (W) x 38.0 in (H) x 38.0 in (D)	
Weight	248 lbs	
Venting Type	Forced Draft Direct Vent	
Venting Size	2" or 3"	
Water Pressure	15 - 150 PSI	
Connection Sizes	Cold Water Inlet	3/4 in female sweat joint
	Hot Water Outlet	3/4 in female sweat joint
	Gas Inlet	3/4 in NPT
Power Supply	120V AC, 60 Hz	
Safety Devices	Flame Rod, APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse	

Item	GF 200
Heating Air Flow	500 - 1200 CFM
Cooling Air Flow	490 - 1450 CFM
Continuous Air Flow	350 - 725 CFM
Supply Plenum	19-1/2" x 16-3/8"
Return Options	Sides / Back / Bottom

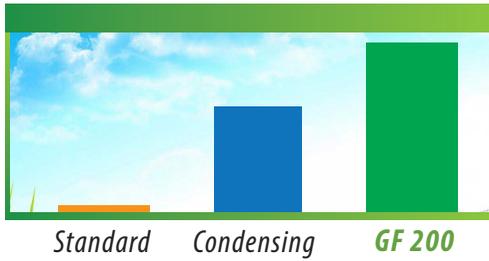


Quick Connections



Condensing Dual Heat Exchanger

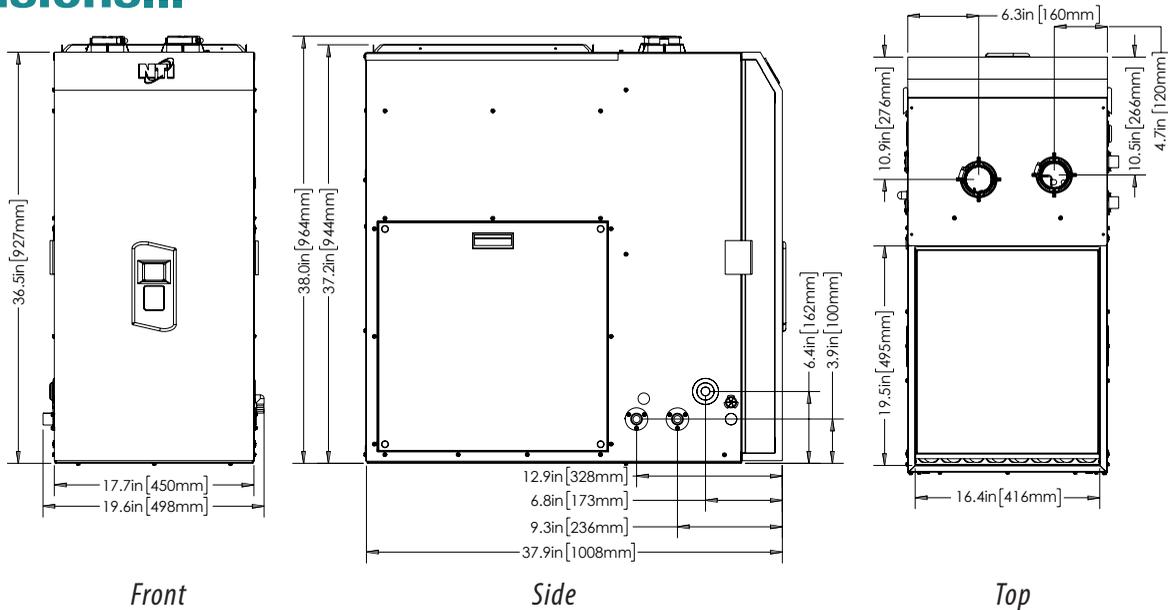
The Game changer in the Furnace industry...



Superior Savings...

With high efficiencies & **GREEN FURNACE Technology**,[®] the GF 200 delivers performance up to 0.96 UEF/0.97 EF. Compared to standard furnaces, the GF 200 provides reduced fuel consumption, costs, and **Greenhouse Gas** emissions.

Dimensions...



Why Choose Us...

Our family-operated business has manufactured only top-quality hydronic heating equipment for 50 years. Acknowledged as a leader in research and product development, NTI is a pioneer in developing the most advanced and efficient home heating equipment. Our customer service hotline and extended warranty program maintain our commitment to you.

With NTI, you're buying quality, North American-made comfort.

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