



## Tankless Combi



### Other Features

- Operates on very low gas pressure down to 2.5"
- Use 1/2" gas line up to 40 ft
- Commercial grade 316L stainless heat exchanger
- 2" or 3" Venting (PVC, CPVC)
- Full mod/con with 98% combustion efficiency
- Water / Gas connections on top
- No cold water sandwich
- Built in Thermostat T/T input and secondary pump output
- Convert to LP without changing parts
- Cascadable without additional parts
- Easily serviceable clip on parts
- Eliminate storage tanks
- Precise temperature



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smart. efficient. endless.

## Intellihot Tankless Combi - Different

Intellihot believes there is a better way to heat water and your home with highest comfort and lowest impact on the environment.

Different from all other combi boilers where water heating is an afterthought, Intellihot "X" models delivers large quantity of hot water while simultaneously keeping your house comfortable. Elegantly combine Domestic Hot Water (DHW) and space heating with one appliance, one gas line, one vent.

### Combi Boiler (like others) or Intellihot Combi Tankless?

Typical homes heated hydronically may only need 50,000 btu/h to satisfy the space heating load but that same house with just two showers running simultaneously, will require approximately 160,000 btu/h (3X space heating btu/h).

Residential boilers have insufficient btu/h for on-demand domestic hot water; and lack the flow and temperature controls necessary to make DHW safely on demand. This mandates, costly-bulky indirect storage tanks along with pump, aquastat, mixing valve, external piping, and wiring – all this and you can still run out of hot water!

Intellihot Combi delivers a full 200MBH or 250MBH worth of domestic hot water when needed but easily modulates down to efficiently deliver between 30 and 80MBH of space heating load.

Not all combi's are created equal. Intellihot's heat exchanger is built on it proven commercial platform designed to handle harsh cycles and twin loads of DHW & Space heating for long trouble free performance.

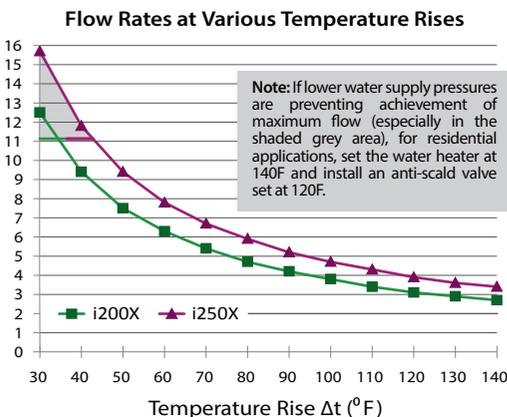
### How does it work?

Open a faucet and Intellihot will begin to deliver hot water. If space heating is called, the on-board circulator begin to deliver up to 80,000 btu/h to the internal plate type heat exchanger (PTHE) simultaneously. With no diverting valve to adjust, fail or foul, the Intellihot Combi is extremely robust. The PTHE separates the DHW from the space heating side to maintain safety and integrity of DHW.

# i200X, i250X Specifications

Parameters	i200X	i250x
Type	Indoor, Wall hung, Fully Condensing	
Fuel	Preset for NG / LP convertible	
Minimum / Maximum Input (Btu/h)	30,000 / 199,950	30,000 / 250,000
Combustion efficiency	98%	
Thermal Efficiency	94%	92%
Energy factor	0.93	N/A
Dimensions H X W X D (inches)	25.9 X 17.5 X 14.2 (3.7 cu. ft)	
Weight (lbs)	98	
Domestic Water Inlet / Outlet Connection	3/4" NPT	
Space Heating Water Inlet / Outlet Connection	3/4" NPT	
Gas Inlet Connection	3/4" NPT	
Minimum Flow Rate	No minimum flow rate in learned or programed modes	
Ignition	Electronic Spark Ignition	
Venting Type	Forced Draft Direct Vent	
Venting Materials	Sch. 40 PVC, Sch. 40 CPVC, Polypropylene, Stainless Steel	
Max 3" Vent Length - Single Pipe / Power Vent	200 ft, deduct 5 ft per 90° elbow	130 ft, deduct 5 ft per 90° elbow
Max 3" Vent Length - Two pipe / Direct Vent	100 ft, deduct 5 ft per 90° elbow	65 ft, deduct 5 ft per 90° elbow
Max 2" Vent Length - Single Pipe / Power Vent (2" not allowed at elevations above 4,000 ft)	26 ft, deduct 5 ft per 90° elbow	N/A
Max 2" Vent Length - Two Pipe / Direct Vent (2" not allowed at elevations above 4,000 ft)	21 ft, deduct 5 ft per 90° elbow	
Common Venting	Yes	
Safety	Flame Rod, Thermal Fuse, Overheat Prevention Device, Fan Speed Monitor, Flue Temperature Monitor, Blocked Vent Detector, Water Leak Detector, Water Shut Off Valve, 2X10A Fuse, Dual Flame Sensing	
Water Pressure Min / Max (PSI)	30 / 150	
NG/LP- Minimum Static Gas Pressure 1/2"	5" (non-corrugated, black iron)	6" (non-corrugated, black iron)
NG/LP- Minimum Static Gas Pressure 3/4"	2.5" (non-corrugated, black iron)	
NG/LP - Maximum Static Gas Pressure	14"	
Gas Pressure for Adjustments	8" for NG, 11" for LP	
Electrical	120V AC, 60 Hz	
Power Consumption	500W (Max 4.2 Amps), 8W (Standby)	
<b>Features</b>	<b>i200X</b>	<b>i250X</b>
Space Heating heat exchanger	Stainless brazed plate, Maximum flow 15 GPM	
Cascading	Masterless, 10 units	
Heat exchanger	Stainless 316L	
<b>Performance</b>	<b>i200X</b>	<b>i250X</b>
Hot Water Capacity (35F Rise)	10.8	13.2
Hot Water Capacity (45F Rise)	8.4	10.3
Hot Water Capacity (77F Rise)	5.0	6.0
Domestic Mode Temp. Settings	100 – 140°F	
Commercial Mode Temp. Settings	100 – 185°F	
<b>Warranty (with recirculation)</b>	Residential - Heat Exchanger coil - 15 years, Parts – 3 years, Labor – 1 year Commercial - Heat Exchanger coil – 6 years, Parts – 1 years, Labor – 1 year	

Note: Due to Intellihot's Policy of continuous product improvements, design and technical specifications are subject to change without notice. Energy star applies only to i200X.



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