

ALTA

COMBI



It's the easiest boiler you'll ever install because it's the most advanced boiler ever made.

INDUSTRY LEADING DESIGN

- Powerful, best in class, next-generation gas adaptive technology provides greatest simplicity, shortest installation time and lowest operating costs
 - “No touch” adaptive combustion setup; no manual throttle or offset adjustments, provides continuous, safe, clean combustion
 - Automatic self-calibration drives perfect combustion by adapting to component wear, variations in fuel, environment, and vent air pressure
 - Simple Natural gas-to-LP conversion with no kit or parts required
 - Sensor-less reset, requires no installation time; assesses environmental conditions, continually adjusting boiler operation for comfort and efficiency
 - Engineered for 5-minute start-up

INDUSTRY-LEADING COMBI PERFORMANCE

- Virtually instantaneous DHW response time
- Selectable economy or comfort/recirculation modes
- 10:1 turndown for maximum efficiency and boiler life
- DHW temperature maintained under all demand conditions

INDUSTRY-LEADING VALUE

- AltaFastPipe (primary/secondary manifold) included
- Lift-away front and side panels offer three-side unobstructed service access
- ProPress® compatible
- 5-year parts warranty, 12-year limited warranty on heat exchanger

The world's FIRST & ONLY 10:1, gas-adaptive, combi boiler!



- Designed, engineered, & built in Lancaster, PA, U.S.A
- 136 MBH input DHW
- 120 MBH input heating
- 3.7 GPM combi
- 95% AFUE



Alta Combi: Technical Information

Standard Equipment

- Direct vent, 10:1 turndown, sealed combustion appliance
- Stainless steel 316L heat exchanger, corrosion resistant
- Integrated hydro block system with flat plate heat exchanger, boiler circulator, and 3-way valve
- Alta Control System
 - Automatic “no-touch” combustion management
 - Large key control pad with display
 - Built-in self diagnostics
 - 3 total inputs (2-demand, 1-configurable),
 - 3 pump outputs (total)
 - Instant DHW start-up
 - Warm weather shutdown
 - LP control setting supports one switch natural gas-to-LP conversion at gas valve - no kit required
 - Sensor-less reset
 - On-board fuse protection
 - Separate high and low voltage connections
- Boiler flow safety switch (UL353) and display indicator
- AltaFastPipe (pre-made primary/secondary manifold)
- Low gas pressure capability;
Min: 2.5 in. wc (nat gas), 8.0 in. wc (LP gas)
- Three side, unobstructed service access jacket
- Vent connection for CPVC, polypropylene
- Pre-installed hanging bracket and wall mount kit



Alta Combi Ratings & Specifications

Model	Energy Star AFUE %	Heating Input (MBH) min-max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	DHW Rates			Vent Size (In.)	Boiler Wt. (lbs.)
					at 70° TR (GPM)	at 77° TR (GPM)	Input (MBH) min-max		
ALTAC-136	95.0	13.6-120	112	97	3.7	3.4	13.6-136	2	95

Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

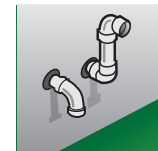
Safety Relief Valve Pressure, Water – 30 PSI std. ASME certified “H”. Maximum Allowable Working Pressure at 50 PSI. Max allowable temperature setting 210°F. Target setpoint is 180°F, manual reset high limit setpoint is 210°F. Boilers shipped set for natural gas. Above performance is for elevations to 2000’. Do not install above 2000 ft.

Accessories:

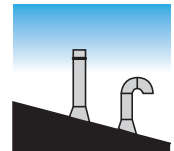
- Kit, CPVC starter and PVC vent terminations: (2” P/N: 107039-01)

Typical Venting Configurations (Horizontal and Vertical) up to 135 eq. ft.

Illustrations are for representation only. For complete venting information, please see Installation, Operating and Service Instructions.



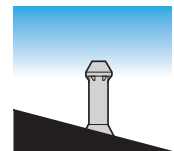
Horizontal 2-pipe



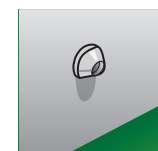
Vertical 2-pipe



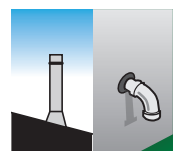
Horizontal 2-pipe low profile



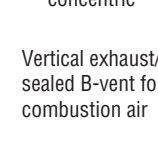
Vertical 2-pipe concentric



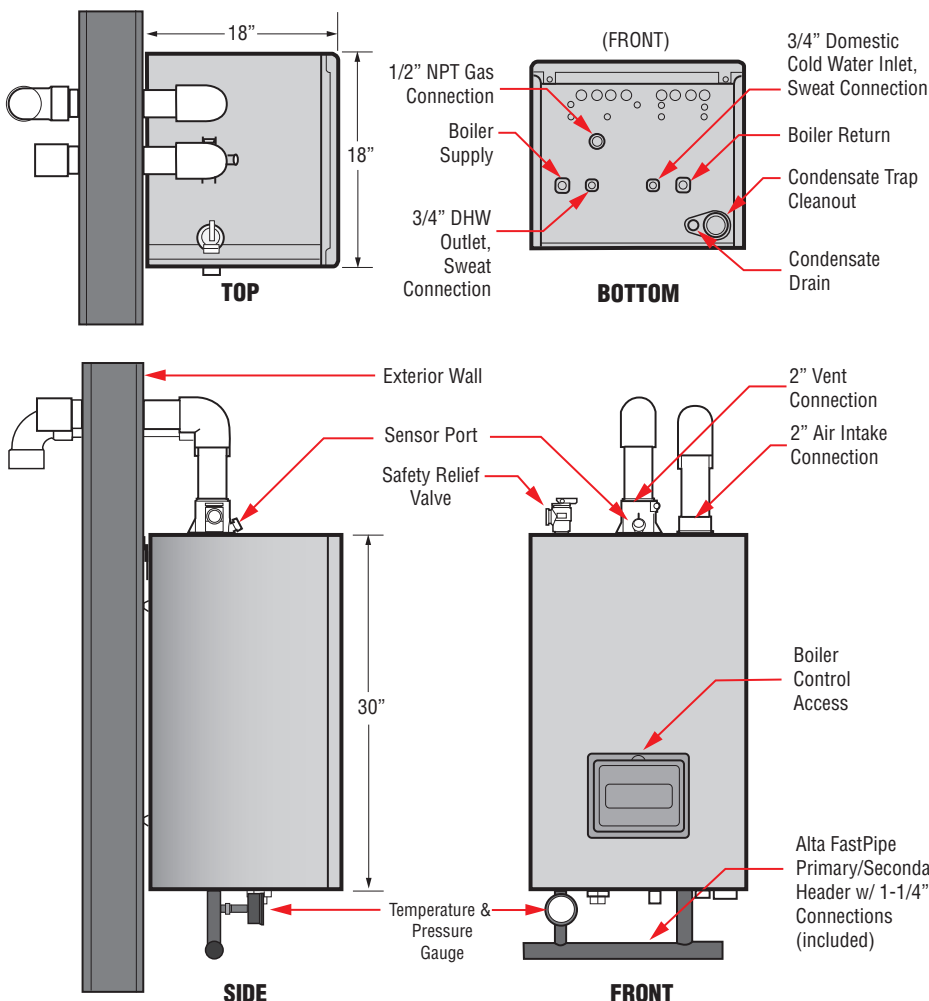
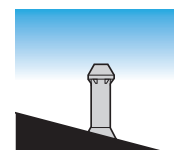
Horizontal 2-pipe concentric



Hybrid



Vertical exhaust/sealed B-vent for combustion air



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