

# SUBMITTAL DATA SHEET: ALTA Boiler



# ALTA



**High Efficiency Gas Boiler  
Stainless Steel Heat Exchanger**

*Heat-only and combi models available*

Date: \_\_\_\_\_

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Wholesaler: \_\_\_\_\_

Contractor: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Model Designation: \_\_\_\_\_

Fuel: \_\_\_\_\_



[www.usboiler.net](http://www.usboiler.net)

U.S. Boiler Company, Inc. - Lancaster, PA  
Phone: 1-888-432-8887

# SUBMITTAL DATA SHEET: ALTA Boiler

## TECHNICAL INFORMATION



### Ratings & Specifications

Model	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
ALTAC-200	95.0	20-150	141	123	5.2	4.7	20.0-200	2	116
ALTA-120	95.0	13.6-120	112	97	—	—	—	2	76
ALTA-150	95.0	20-150	141	123	—	—	—	2	103
ALTA-180	95.0	20-180	169	147	—	—	—	2	103

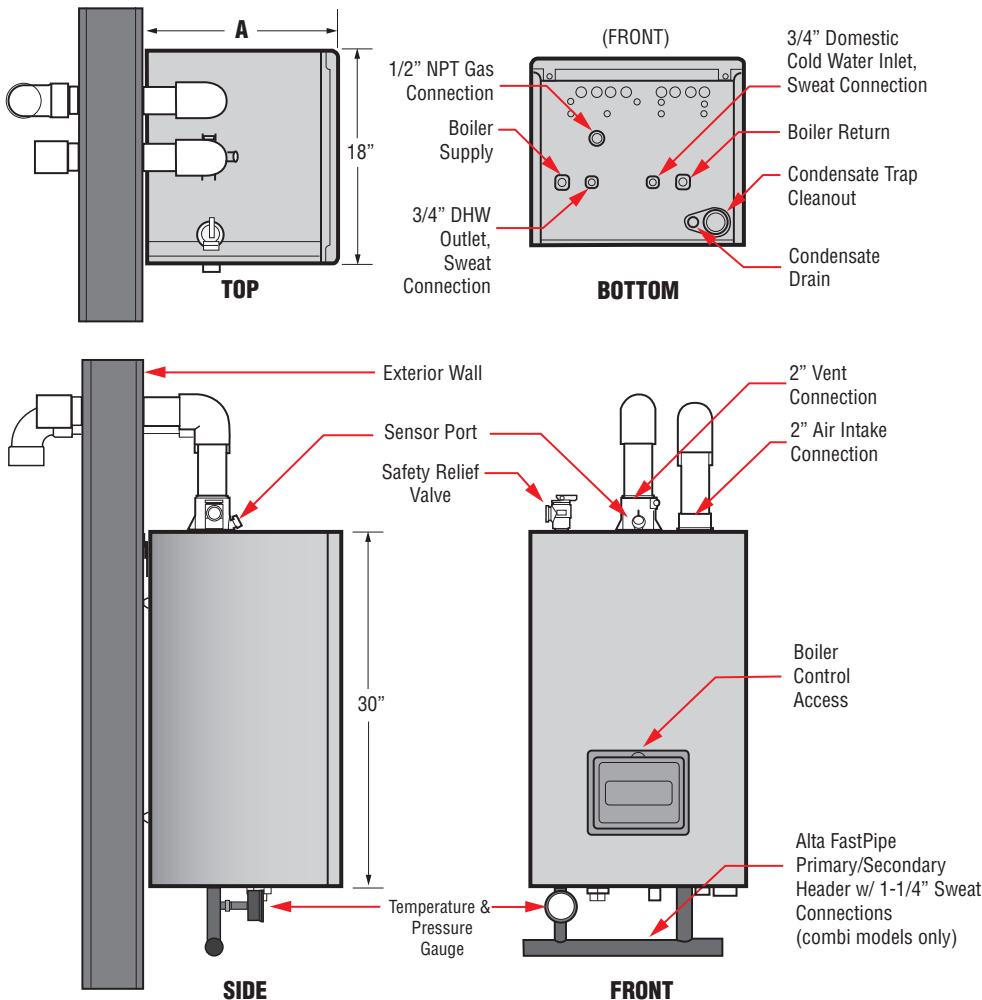
### Boiler Depth

Model	"A" (Inches)
ALTAC-136	16.3
ALTAC-200	20.4
ALTA-120	16.3
ALTA-150	20.4
ALTA-180	20.4

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.

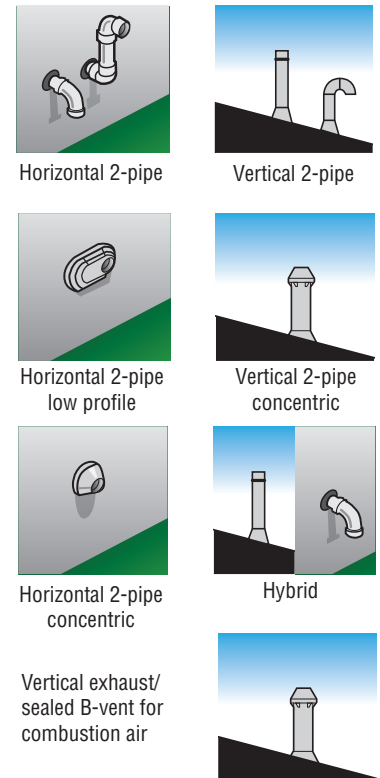
Safety Relief Valve Pressure, Water – 30 PSI std. ASME certified "H". Maximum Allowable Working Pressure at 50 PSI. Max allowable temperature setting 210°F. Target setpoint is 180°F, manual reset high limit setpoint is 210°F. Boilers shipped set for natural gas. Above performance is for elevations to 2000'. Never install a boiler SKU with a 'G02' suffix above 2000 ft.

### Combi Model Shown



### Typical Venting Configurations (Horizontal and Vertical)

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



PLUS polypropylene chimney chase option

# SUBMITTAL DATA SHEET: ALTA Boiler

## STANDARD EQUIPMENT

### Standard Equipment - All Models

- Direct vent, 10:1 turndown, sealed combustion appliance
- Stainless steel 316L heat exchanger, corrosion resistant
- Alta Control System
  - Automatic “no-touch” combustion management
  - Built-in self diagnostics
  - 2 inputs (T-stat, DHW)
  - Warm weather shutdown
  - Two step LP conversion at gas valve switch and display - no kit purchase required
  - Sensor-less, rate-based reset
  - Fuse protected, spare fuses provided
  - Separated high and low voltage connections
- Boiler flow safety switch (UL353)
- 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/PVC, polypropylene
- Pre-installed hanging bracket and wall mount kit
- Circulator
  - Grundfos 26-99 (heating-only models)
  - Grundfos UPS-78 Special (combi models)

### Combi Models

- Integrated hydro block system with flat plate heat exchanger, boiler circulator, and 3-way valve
- Alta FastPipe (pre-made primary/secondary manifold)

## OPTIONAL EQUIPMENT

### OPTIONS & ACCESSORIES

Part Number	Description
_____ 111577-01	Near boiler piping kit for heating-only models
_____ 111576-01	Floor stand kit
_____ 111419-01	Service part kit
_____ 107039-01	2” CPVC starter kit
_____ 105591-01	LWCO, Hydrolevel 1100, auto reset, 24v with H5 cable
_____ 108182-01	LWCO, Hydrolevel 1100M, manual reset, 24v with H5 cable
_____ 108042-01	Thermostatic mixing valve, 3/4” sweat
_____ 108703-01	Recirculation/header sensor
_____ 101867-01	Condensate neutralizer
_____ 108183-01	CSD-1 kit, includes 1100M LWCA, manual reset, 24v, with H5 cable; L4006E high limit, manual reset with 3/4” well
_____ 108862-01	Fernox Alphi-11 antifreeze with inhibitor (5 gallons)
_____ 108863-01	Hydronic system corrosion and limescale inhibitor

# SUBMITTAL DATA SHEET: ALTA Boiler

## ADDITIONAL NOTES