

Alpine

High Efficiency,
Gas Fired,
Stainless Steel,
Condensing Water Boiler



SIZES

- 80-399 MBH in 6 sizes
- 500-800 MBH commercial models available (product information available separately)

PREMIUM FEATURES

- 95% AFUE 
- Reliable, proven stainless steel heat exchanger
- Circulator included (80-285 models)
- Natural or LP gas
- Sage2.3 boiler control
 - High performance and easy setup
 - Touch screen display
 - Configured for lead/lag operation
- USB Connect compatible 
 - Smartphone app & bluetooth adapter
 - Complete boiler setup, control & troubleshooting
- 5-year part replacement warranty (Residential boilers under 300 MBH)
- Low NOx*

VALUABLE EXTRAS

- Wall or floor mounting, no kits required (80-210 models)
- Outdoor reset and sensor
- Compatible with optional Sage Zone Control Valve Panel
 - Matches firing rates to actual zone load
 - Saves money, prevents over-cycling

*Meets requirements of South Coast Rule 1146.2

USB Connect
COMPATIBLE

U.S. Boiler Company

Alpine: Technical Information



Alpine Residential Standard Equipment

- Direct vent appliance
- Nylon floor guides
- Pre-installed hanging bracket and wall mount kit included (80-210)
- Gas, water, electrical connections on left side of boiler
- Slide-out control panel (80-285)
- Slide-out line voltage terminal strip (80-285)
- Sage2.3 Control System
 - LCD touch screen display
 - Self-guided control menus
 - 100+ help screens
 - Built-in self diagnostics
 - (3) separate circulator outputs
 - Built-in sequencer, stages up to (8) boilers
 - 4-20 MV inputs for external control
 - Outdoor reset including wired outside sensor
 - DHW priority
 - Warm weather shutdown
- Variable speed combustion blower
- Natural or LP gas
- Negative pressure gas valve
- Stainless steel heat exchanger
- Boiler loop circulator (80-285)
- Polypropylene condensate trap w/overflow protection
- Supply, return, and auto reset high limit water sensors
- 30 PSI safety relief valve
- Temperature and pressure gauge
- Flue gas temperature sensor and differential pressure switch
- CPVC to PVC vent kit
 - Includes 30" CPVC, 90° elbow, 2-vent terminals, screens,
- Five year parts replacement warranty (residential)

Alpine Ratings & Specifications (sea level to 2000 feet)

Model	AFUE%	Input (MBH) min-max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (Inches)	Approx. Shipping Weight. (lbs.)
MODELS FOR WALL OR FLOOR MOUNTING						
ALP080B	95.0	16-80	72	63	3	137
ALP105B	95.0	21-105	96	83	3	155
ALP150B	95.0	30-150	136	118	3	182
ALP210B	95.0	42-210	194	169	3	206
FLOOR MOUNTED MODELS						
ALP285B	95.0	57-285	262	228	4	256
ALP399C	94.1 ¹	80-399	375 ²	326 ³	4	316

¹Thermal efficiency ²Gross output ³Net rating

Accessories:

- LWCO kit, auto reset 24V, 80-285 (P/N: 100592-01)
- LWCO kit, auto reset 24V, 399C (P/N 105591-01)
- Sage Zone Control Valve Panel (P/N: 104589-01)
- Service parts repair kit (P/N: 105319-04)

NOTES:

DOE Heating Capacity (ALP080 through ALP285); Gross Output (ALP399)
 Safety Relief Valve Pressure, Water (ALP080B thru ALP285B) – 30 PSI std.; 50 PSI, 80 PSI, and 100 PSI optional
 Safety Relief Valve Pressure, Water (ALP399 only) - 50 PSI std.; 80 PSI and 100 PSI optional
 ASME certified 150 PSI Maximum Allowable Working Pressure at 210°F
 Max allowable temperature setting 210°F
 Target setpoint is 190°F, automatic reset high limit setpoint is 200°F and manual reset high limit setpoint is 210°F
 Boilers shipped set for natural gas; field adjustment for LP (see instruction manual)
 For elevations above 2000 feet, reduce ratings four percent (4%) per 1000 feet above sea level

USB Connect

Free smartphone app (App Store & Google Play) and bluetooth adapter available at your distributor, USB Connect puts complete boiler control in the palm of your hand with real time boiler status and adjustments. "Wizards" provide step-by-step instructions for start-up, service, and troubleshooting. Bluetooth adapter P/N: 111667-01

See www.usboiler.net/product/usconnect for details

Alpine Dimensions (inches)

Model	A	F	G	H	M
ALP080B	12-9/16	1/2	1	1	32-3/16
ALP105B	14	1/2	1	1	32-3/16
ALP150B	19-11/16	1/2	1	1	32-3/16
ALP210B	23-15/16	1/2	1	1	32-3/16
ALP285B	21-13/16	3/4	1-1/4	1-1/4	43-7/16
ALP399	31-3/16	3/4	1-1/2	1-1/2	43-1/2

Alpine Vent & Intake Sizes			
Model	Intake Size	Vent Size	Max Length Intake/Vent
ALP080B	2"	2"	60'/60'
	3"	3"	135'/135'
ALP105B	2"	2"	60'/60'
	3"	3"	135'/135'
ALP150B	3"	3"	135'/135'
ALP210B	3"	3"	135'/135'
ALP285B	3"	3"	60'/60'
	4"	4"	100'/100'
ALP399	4"	4"	100'/100'

