

SUBMITTAL DATA SHEET: Alpine Boiler



Alpine™



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

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Wholesaler: _____

Contractor: _____

Submitted to: _____

Model Designation: _____

Fuel: _____




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TECHNICAL INFORMATION



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

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

¹Thermal efficiency ²Gross ³Net rating

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

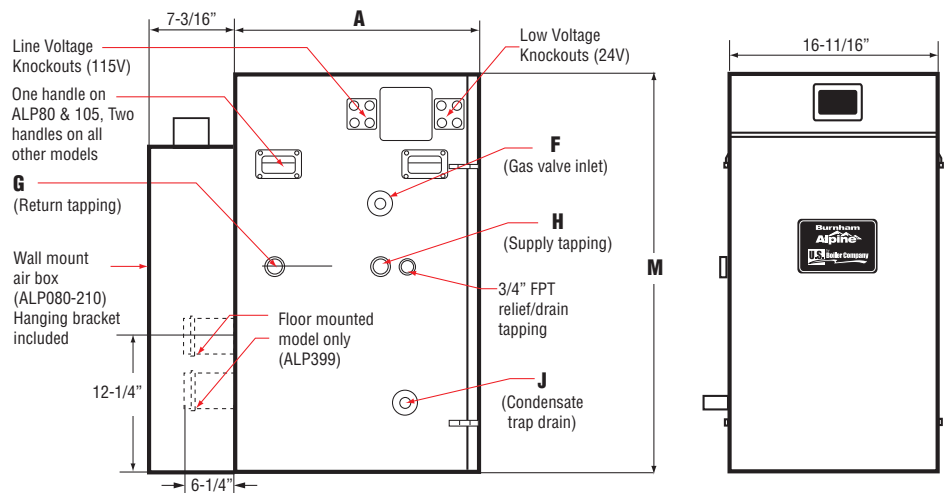
Boilers shipped set for natural gas; field adjustment for LP (see instruction manual)

For elevations above 2000 feet, reduce ratings four percent (4%) per 1000 feet above sea level

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'

■ Additional approved options



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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)
- **Sage2.2 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 temp sensor and differential pressure switch
- **CPVC to PVC vent kit:**
 - Includes 30" CPVC, 90° elbow, 2-vent terminals, screens
- Five year parts replacement warranty

OPTIONAL EQUIPMENT

Part Number	Description
_____ 104590-01	Sage Zone Control Circulator Panel
_____ 104589-01	Sage Zone Control Valve Panel
_____ 100592-01	LWCO kit, auto reset, Hydrolevel 1100 w/ test button, 24V, with H4 cable 80-285
_____ 105591-01	LWCO kit, auto reset 24V, 399C
_____ 108703-01	Header sensor (required for lead/lag systems)
_____ 105319-04	Alpine service parts repair kit, residential
_____ 106616-01	3" to 2" vent conversion, noise reduction kit (080, 105 only)
_____ 103192-01	RJ45 Cable Splitter
_____ 101662-01	Relief valve kit for ALP080-285, 50 PSI
_____ 108862-01	Antifreeze, Fernox Alphi-11, with inhibitor (5 gallon)
_____ 108863-01	Corrosion and limescale inhibitor, hydronic system
_____ 101867-01	Condensate neutralizer
_____ 6018903	Auxiliary high limit, manual reset L4006 with 3/4" immersion well

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ADDITIONAL NOTES