

# **Alpine**™



## Gas Fired, High Efficency, Stainless Steel, Condensing Water Boiler

- 95% AFUE
- 80 399 MBH (6 sizes) 80-210 sizes are floor mount or wall hung –SAME BOILER DOES BOTH!
- Commercial models available, 500-800 MBH (4 sizes)
   Complete product info and specifications available separately
- Field-proven stainless steel heat exchanger
- Natural or LP gas
- Circulator included (80-285 models)
- 5-year part replacement warranty
   For residential boilers under 300 MBH
- Meets requirements of South Coast Rule 1146.2



Backlit LCD touchscreen
 display provides diagnostic
 and troubleshooting
 information via intuitive text
 and menus, without cryptic codes or scrolling

- Full modulation with 5-to-1 turndown and adaptable firing rate output
- Outdoor reset included, plus warm weather shutdown, and off-season pump exercising
- DHW priority, control data logging, multiple & adjustable pump outputs
- 4-20mA and modbus inputs
- Compatible with optional Sage Zone Control Circulator Panel, which matches the boiler firing rates to actual zone load, saving money, energy, and preventing excessive boiler cycling

## **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	ENERGY STAR  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	94.1¹	80-399	375²	326³	4	316	

<sup>&</sup>lt;sup>1</sup>Thermal efficiency <sup>2</sup>Gross output <sup>3</sup>Net 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
  - Circulator Panel (P/N: 104590-01)
- Valve Panel (P/N: 104589-01)
- Service parts repair kit (P/N: 105319-04)

#### IOTES:

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

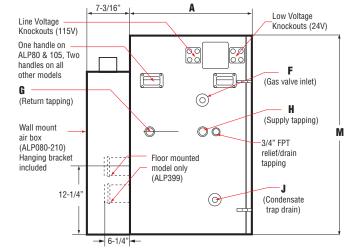
Target setpoint is 190°F, automatic reset high limit setpoint is 200°F and manual reset high limit setpoint is 210°F

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'				
ALPUOUB	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'				
ALF ZOOD	4"	4"	100'/100'				
ALP399	4"	4"	100'/100'				

Additional approved options

Alpine Dimensions (inches)								
Model	Α	F	G	Н	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			





16-11/16"



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