

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

Alpine Commercial



SIZES

- 399-800 MBH in 5 sizes

PREMIUM FEATURES

- Up to 97% thermal efficiency 
- Reliable, proven stainless steel heat exchanger
- Natural or LP gas
- Sage2.2 boiler control
 - High performance and easy setup
 - Touch screen display
 - Built-in sequencer for up to 8 boilers
 - DHW priority, data logging, multiple adjustable pump outputs
- USB Connect compatible 
 - Smartphone app & bluetooth adapter
 - Complete boiler setup, control & troubleshooting
- Low waterside pressure drop
- Less than 20ppm NOx*

VALUABLE EXTRAS

- Stackable
- Outdoor reset and sensor
- Pre-installed temp sensors; dual high limit/ supply, return, dual high limit flue gas
- Altitude-ready with derate
- Easy access side panels for high & low voltage connections

*Meets requirements of South Coast Rule 1146.2

USB  **Connect**
COMPATIBLE

U.S. Boiler Company

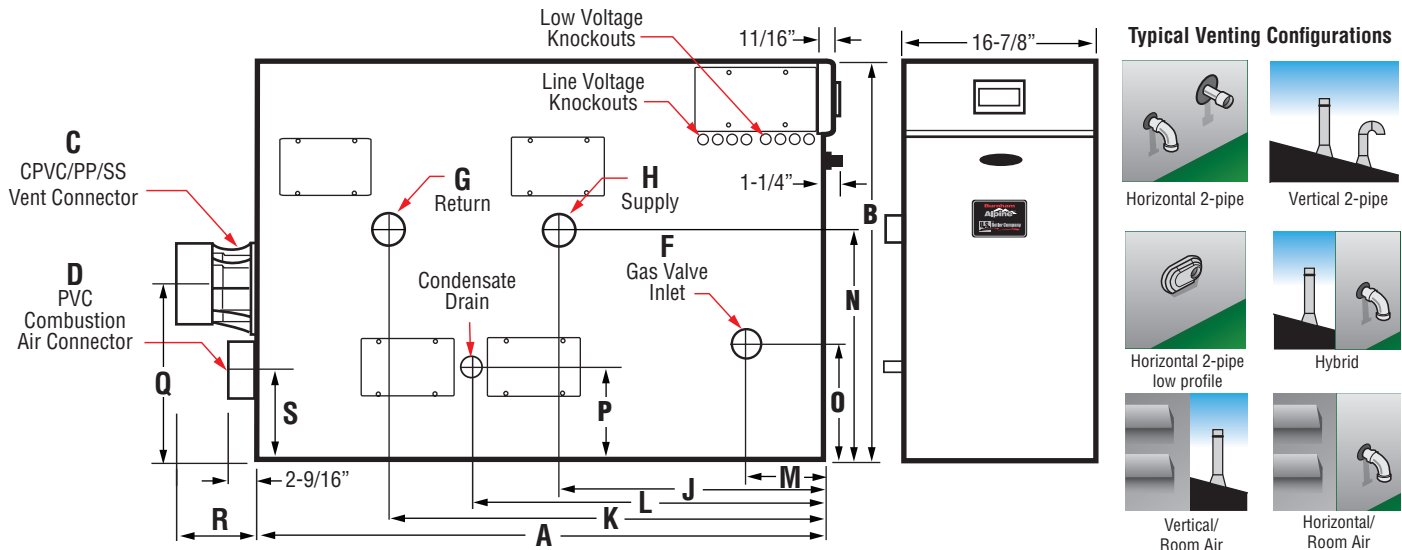
Alpine Commercial Ratings & Specifications (sea level to 2000 feet)

Model	RATINGS			Net AHRI Water Rating (MBH)	Thermal Efficiency	Water Content (Gal.)	Heat Transfer Area (SQ. FT.)	(F) Gas Connection	Supply (H) & Return (G) Connection	Intake (D)/ Vent (C) Diameter	Approximate Shipping Weight (lbs.)
	Minimum Input (MBH)	Maximum Input (MBH)	Gross Output (MBH)								
ALP399C	80	399	375	326	94.1%	3.4	41.8	3/4" FPT	1-1/2" FPT	4"/4"	316
ALP500C	100	500	485	422	97.0%	4.3	58.1	3/4" FPT	2" MPT	4"/4"	368
ALP600C	125	625	594	517	95.0%	5.4	76.2	1" FPT	2" MPT	4"/6"	458
ALP700C	145	725	689	599	95.0%	5.4	76.2	1" FPT	2" MPT	4"/6"	458
ALP800C	160	800	760	661	95.0%	6.2	87.0	1" FPT	2" MPT	4"/6"	500

Net AHRI water ratings shown are based on an allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc. For forced hot water heating systems where the boiler and all piping are within the area to be heated, the boiler may be selected on the basis of its Gross Output.

Alpine Commercial Dimensions

MODEL	A	B	C	D	F	G/H	J	K	L	M	N	O	P	Q	R	S
ALP399C	31-3/16"	43-1/2"	4"	4"	3/4" FPT	1-1/2" FPT	12-3/8"	23"	15-1/8"	7-13/16"	17-5/16"	32-1/2"	5-5/16"	12-1/2"	5-1/2"	5-1/8"
ALP500C	46-1/2"	35-1/16"	4"	4"	3/4" FPT	2" MPT	21-5/16"	34-13/16"	28-5/16"	5-3/8"	20-5/16"	12-3/8"	8-5/16"	15-1/2"	5-1/2"	8-1/8"
ALP600C	49-1/2"	35-1/16"	6"	4"	1" FPT	2" MPT	23-1/4"	38-1/16"	30-7/8"	6-7/8"	20-5/16"	10-5/16"	8-5/16"	15-9/16"	7-1/16"	8-1/8"
ALP700C	49-1/2"	35-1/16"	6"	4"	1" FPT	2" MPT	23-1/4"	38-1/16"	30-7/8"	6-7/8"	20-5/16"	10-5/16"	8-5/16"	15-9/16"	7-1/16"	8-1/8"
ALP800C	53-5/16"	35-1/16"	6"	4"	1" FPT	2" MPT	23-7/16"	41-3/16"	32-9/16"	6-7/8"	20-5/16"	10-5/16"	8-5/16"	15-9/16"	7-1/16"	8-1/8"



Standard Equipment

- ASME stainless steel heat exchanger
- Stainless steel mesh burner
- 5:1 turndown modulation
- Variable speed combustion blower
- Zero governor gas valve
- Supply & return temperature sensors
- Flue gas temperature sensor
- Sealed control compartment
- Negative pressure lower cabinet
- Outdoor air temperature sensor
- Low voltage PCB
- Line voltage PCB
- Condensate trap
- Pressure relief valve, 50 psi for 500
- Pressure relief valve, 60 psi for 600-800
- 3-in-1 Vent Connector – connects to CPVC, PolyPro, or stainless steel
- Rear flue outlet
- Stacking boiler brackets
- Flow switch
- VENT KIT
 - 30" CPVC, 90° elbow
- SAGE2.2 BOILER CONTROL SYSTEM
 - Touchscreen display
 - Built in diagnostics
 - Lead/lag and domestic hot water priority
 - Warm weather shutdown
 - 4-20 mA inputs for external modulation

Optional Equipment

Part Number	Description
111667-01	USB-Connect bluetooth adapter
104589-01	Sage Zone Control Valve Panel
109752-01	120V LWCO/manual reset kit
108182-01	24V LWCO manual reset
105591-01	24V LWCO Auto reset with harness (ALP399C – residential only)
107421-01	CSD-1 kit (models, ALP 500C, ALP600C, ALP700C, ALP800C only), includes high and low gas pressure switches, gas valve harness, and instructions
104200-01	Pressure relief valve kit, 80PSI
104201-01	Pressure relief valve kit, 100PSI
108703-01	Header sensor kit
101867-01	Condensate neutralizer kit
108847-01	High limit, manual reset, L4006E
108854-01	High limit immersion well, 3/4" (109644-01 for 1/2")
106432-01	Universal gateway - Modbus to BACnet
106433-01	Universal gateway - Modbus to LonWorks
107184-02	EMS signal converter kit - 0-10vdc to 4-20Ma
110076-01	Alarm, panel mount