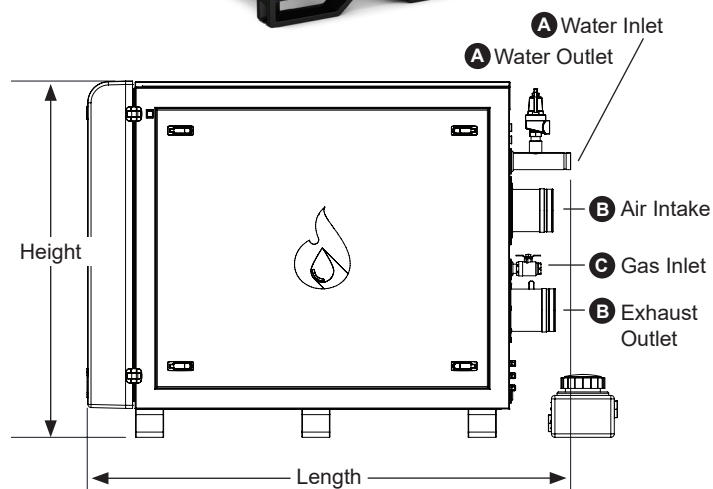
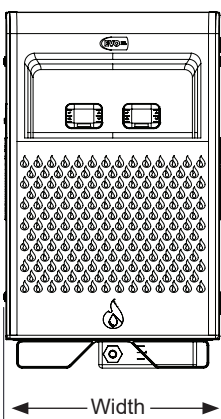


EVO-XL 800, 1000, 1500 Technical Information

Standard Equipment

- 316L stainless steel water tube heat exchanger, 160 psi ASME B
- 5:1 burner modulation
- Self-diagnostic microprocessor controls
- Externally adjustable setpoint (0-10v) per appliance
- Sealed combustion
- AL29-4C vent materials
 - Can accommodate PP, CPVC or PVC via use of appropriate adapters
- Pressure relief valve
- Flow switch
- Inlet & outlet water temperature sensor
- Exhaust temperature sensor
- Gas inlet pressure transducer
- Dual high limit (fixed & adjustable)
- 24/7 customer service
- Color LCD display
- CSD-1 compliant
- Manual reset high limit
- Condensate pressure switch
- For domestic and/or hydronic heating applications



Equipment only options:

- BMS (144 different protocols), one per system
- Cascade controls - cascade up to eight units
- Condensate neutralizer
- Circulating pump
- Outdoor rated available
- HLW option available

Table 1 - Unit Dimensions

Heater/Boiler														
Model	Width		Height		Depth		A (VIC Groove)		B		C		Shipping Weight	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
XL800	31.6	803.2	51	1295	51	1295	2	50	6	152	1.5	38	650	295
XL1000	31.6	803.2	51	1295	69.2	1757.4	2	50	6	152	1.5	38	750	340
XL1500	31.6	803.2	51	1295	69.2	1757.4	2	50	8	203	1.5	38	850	385

Table 2 - HX Data

Model	Input		Water Heater* Output		Boiler Output**		Recovery @ 100°FΔT (55.6°CΔT)		Recovery @ 80°FΔT (44.5°CΔT)		Recovery @ 60°FΔT (33.3°CΔT)		Water Flow Rate & Pressure Drop DHW †		Water Flow Rate & Pressure Drop Heating	
	BTU	kW	BTU	kW	BTU/Hr	kW	GPH	LPH	GPH	LPH	GPH	LPH	GPM@FT	LPM@M	GPM@FT	LPM@M
XL800	795,000	233	up to 771,150	up to 226	up to 755,250	up to 221	926	3,505	1,157	4,380	1,543	5,841	51.4@12'	195@3.7M	30.2@7'	114@2.1M
XL1000	999,999	293	up to 969,999	up to 284	up to 949,999	up to 278	1,164	4,406	1,456	5,512	1,941	7,348	64.7@15.2'	245@4.6M	38.0@8.5'	144@2.6M
XL1500	1,475,000	432	up to 1,430,750	up to 419	up to 1,401,250	up to 410	1,718	6,494	2,147	8,115	2,863	10,822	82.9@17.3'	314@5.3M	56.8@10.3'	215@3.1M

• Rates shown are for natural or propane gas, and elevations up to 9,000 feet
 † Individual appliance piping pressure drop used in the tables is based on 20 feet of straight pipe, 6 elbows, 2 tees, 2 full port ball valves and 2 unions
 * At 97% thermal efficiency with 86°F (30° C) incoming water to heat exchanger
 ** At 95% thermal efficiency with 140°F (60° C) incoming water to heat exchanger
 • All recovery rates based on domestic water heating
 • Dimensions are approximate. Please consult the factory before installation

• Maximum amperage draw at 208–240 volts split phase, single phase is less than 11.2 amps including circulating pump

Note: If return water temps exceed 130°F, use of PVC is NOT recommended, even though product is approved as such. Contact Hamilton Engineering at **800.968.5530** for further clarification.

