

EVO 299.3, 399.3 & 599.3 Technical Information

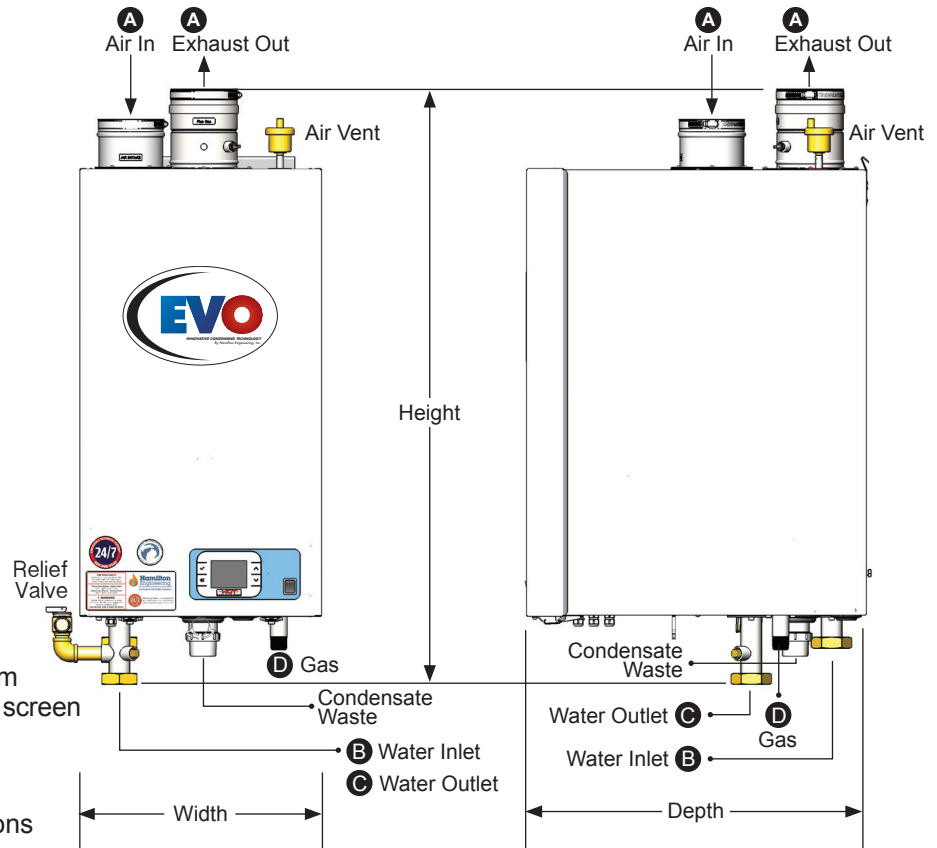


Standard Equipment

- 316L stainless steel water tube heat exchanger, 160 psi ASME H
- 5:1 burner modulation
- Self-diagnostic microprocessor controls
- Externally adjustable set point (0–10v) per appliance
- Sealed combustion
- AL29-4C, PP, CPVC or PVC vent materials
- 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

Equipment only options:

- BMS (144 different protocols), one per system
- Cascade controls—separate box with display screen
- Condensate neutralizer
- Circulating pump
- Low water cut off
- Remote monitoring dashboard and notifications through cellular modem



Heater/Boiler Only							
Model	Width	Height	Depth	A	B	C	D
HW 299.3	19"	44.5"	19"	4" PVC	1.5"	1.5"	0.75"
HW 399.3	19"	44.5"	19"	4" PVC	2"	2"	0.75"
HW 599.3	19"	46.5"	26.5"	5" SS	2"	2"	1"

Model	Input BTU/hr	Water Heater* Output BTU/hr	Boiler** Output BTU/hr	GPH Recovery @ 100°FΔT	GPH Recovery @ 80°FΔT	GPH Recovery @ 60°FΔT	Water Flow Rate & Pressure Drop DHW†	Shipping Weight
HW 299.3	300,000	up to 291,000	up to 285,000	360	450	600	16.5@22.9'	172 lbs.
HW 399.3	399,999	up to 387,999	up to 379,999	466	582	776	26.4@20.3'	204 lbs.
HW 599.3	630,000	up to 611,100	up to 598,500	734	917	1223	39.6@23.6'	260 lbs.

• 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 incoming water to heat exchanger
 ** At 95% thermal efficiency with 140°F 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 6.3 amps including circulating pump

