



EVO 299.2, 399.2 & 599.2

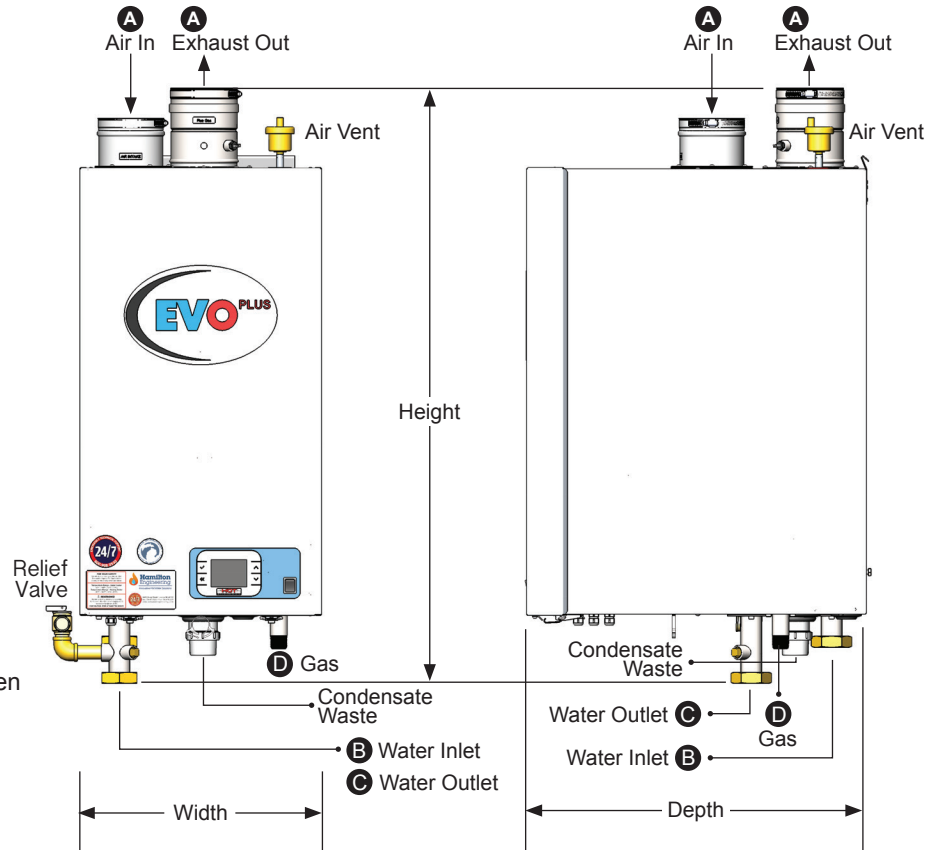
Technical Information

Standard Equipment

- 316L stainless steel water tube heat exchanger, 160 psi ASME H
- 5:1 burner modulation
- Self-diagnostic microprocessor controls per appliance
- Externally adjustable set point (0–10v)
- Sealed combustion
- AL29-4C, PP, CPVC or PVC vent materials
- Pressure relief valve
- Inlet & outlet water pressure transducer
- Inlet & outlet water temperature sensor
- Exhaust temperature sensor
- Fan pressure transducer
- Condensate pressure transducer
- Gas inlet pressure transducer
- Dual high limit (fixed & adjustable)
- 24/7 customer service
- Color LCD Display
- CSD-1 compliant
- Manual reset high limit

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	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
HW 299.2	18.9	480	44.9	1140	19.3	490	4	101	1.5	38	1.5	38	.75	19
HW 399.2	18.9	480	45.2	1148	19.3	490	4	101	2	50	2	50	.75	19
HW 599.2	18.9	480	47.2	1199	27	686	5	127	2	50	2	50	1	25

Heat Exchanger Capacities

Model	Input		Water Heater* Output		Recovery @ 100°FΔT (55.6 °CΔT)		Recovery @ 80°FΔT (44.5 °CΔT)		Recovery @ 60°FΔT (33.3 °CΔT)		Water Flow Rate & Pressure Drop	
	BTU/hr	kW	BTU/hr	kW	GPH	LPH	GPH	LPH	GPH	LPH	GPM@FT	LPM@M
HW 299.2	300,000	88	up to 291,000	up to 85	360	1363	450	1703	600	2271	16.5@22.9'	62@7M
HW 399.2	399,999	117	up to 387,999	up to 114	466	1764	582	2203	776	2937	26.4@20.3'	100@6M
HW 599.2	630,000	185	up to 611,100	up to 179	734	2778	917	3471	1223	4629	39.6@23.6'	150@7M

• 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

