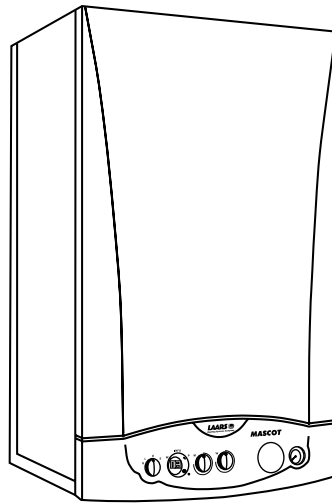


MASCOT



Condensing Boilers

HT 330	Combi Boiler / Water Heater
HT 1.330	Boiler
HT 1.450	Boiler
HT 1.650	Boiler

Submittal Data **LAARS**
Heating Systems Company

Standard Equipment

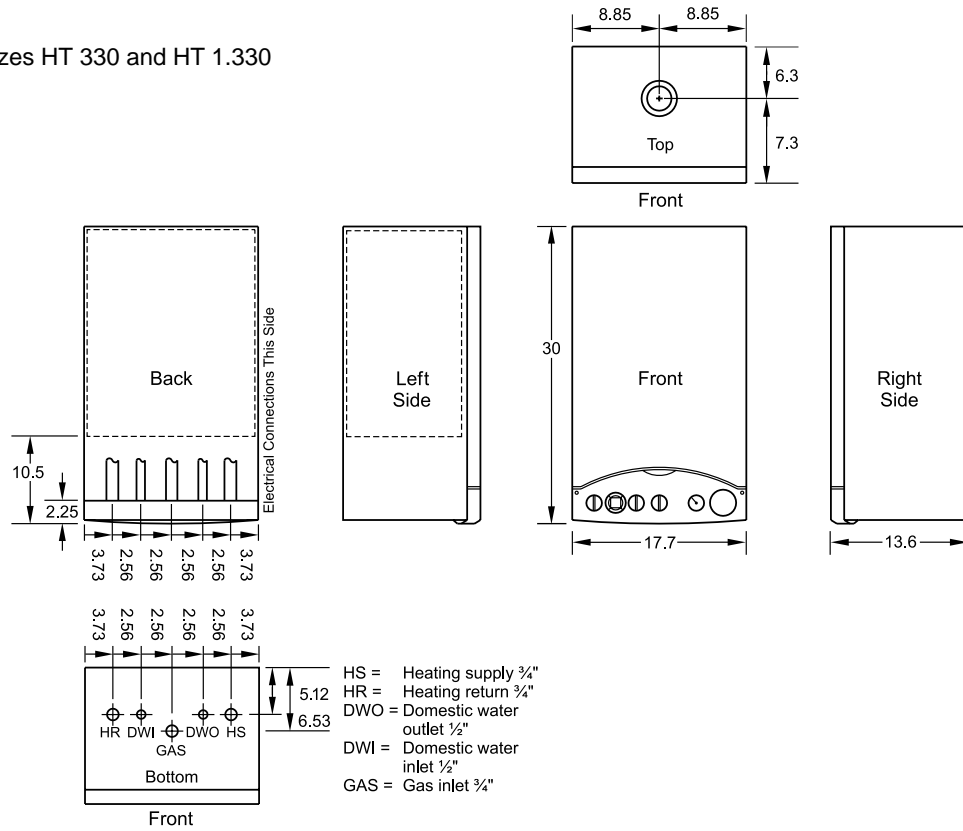
- Designed and constructed in accordance with the ASME Boiler & Pressure Vessel Code, Sections II, IV, and IX
- Design certified and tested to ANSI standard Z21.13
- Fully condensing (96% thermal efficiency at full input)
- Sealed stainless steel combustion chamber
- Welded stainless steel heat exchanger
- 2-character alphanumeric display of temperatures and fault codes
- Stainless steel burner
- Zero clearance from vent when concentric vent system is used
- Built-in back flow preventer (1.330 & 330)
- Supervised spark ignition
- Fully modulating gas valve
- Variable speed blower
- Diagnostic LEDs
- DHW priority (330)
- Wall-mounting template
- Freeze protection assistance - attempts to run boiler and boiler pump when water temperature goes below 41°F (5°C)
- Built-in circulating pump and bypass (1.330 & 330)
- Stainless steel brazed plate DHW heat exchanger (330)
- Outdoor reset ready - just add outdoor air sensor
- Built-in air vent (1.330 & 330)
- Built-in relief valve
- Built-in boiler drain valve (1.330 & 330)
- Built-in manual system fill valve (1.330 & 330)
- Built-in low water cutoff
- Built-in pressure gauge
- Built-in low water cutoff
- Pump exerciser
- Pump time delay
- Connection valve kit (1.330 & 330)
- Built-in expansion tank (1.330 & 330)

Specifications

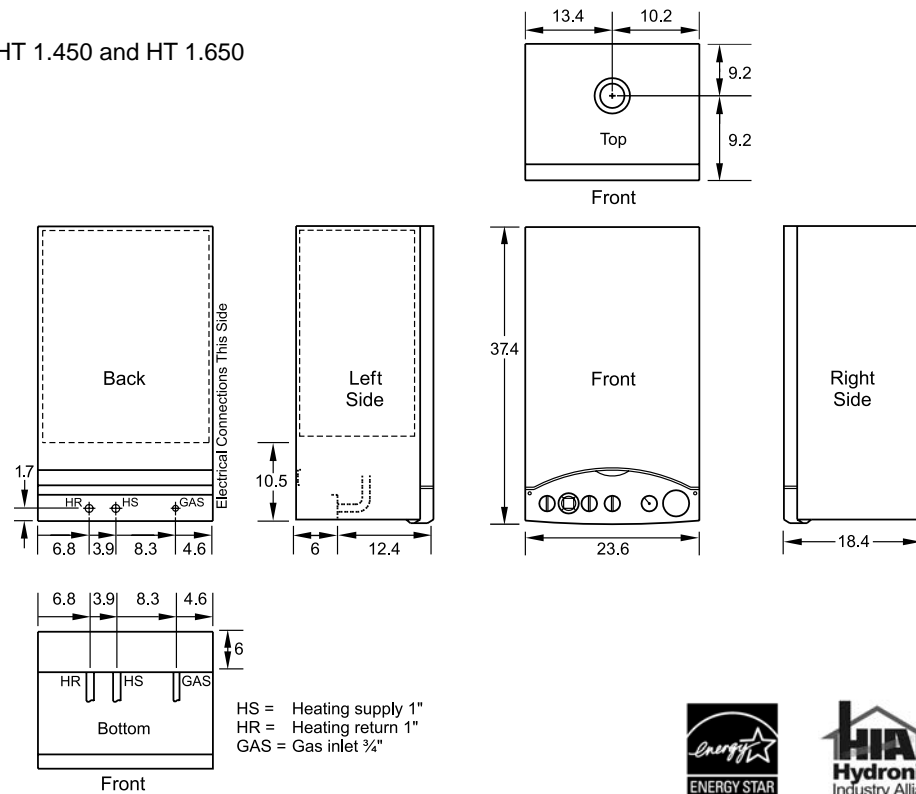
		HT 330		HT 1.330		HT 1.450		HT1.650	
Input, max fire	BTU/h kW	126,376	37.0	126,376	37.0	167,262	49.0	241,600	70.8
Input, minimum fire	BTU/h kW	37,192	10.9	37,192	10.9	55,618	16.3	73,361	21.5
Output, maximum fire	BTU/h kW	112,601	33.0	112,601	33.0	153,618	45.0	221,789	65.0
Output, minimum fire	BTU/h kW	32,804	9.6	32,804	9.6	52,058	15.3	69,326	20.3
Max. DHW flow rate (dt@80°F)	gpm lm	3.6	14	N/A		N/A		N/A	
Max. boiler pressure	psi kPa	30	207	30	207	30	207	30	207
Min. DHW pressure	psi kPa	2.9	20	N/A		N/A		N/A	
Max. DHW pressure	psi kPa	116	800	N/A		N/A		N/A	
Height	in cm	30.0	76	30.0	76	37.4	95	37.4	95
Width	in cm	17.7	45	17.7	45	23.6	60	23.6	60
Depth	in cm	13.6	35	13.6	35	18.4	44	18.4	44
Concentric vent-air	in cm	2.36-3.93	6-10	2.36-3.93	6-10	3.15-4.92	8-12	3.15-4.92	8-12
Weight	lbs kg	103	47	102	46	141	64	159	72
Voltage	V	120		120		120		120	
Frequency	Hz	60		60		60		60	
Service	Amps	15		15		15		15	

Dimensions

Sizes HT 330 and HT 1.330



Sizes HT 1.450 and HT 1.650



Laars Heating Systems Company reserves the right to change specifications, components, features, or to discontinue products without notice.