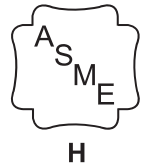




**Submittal Sheet**  
**Model GT 224A to 228A**  
 Cast Iron Boiler



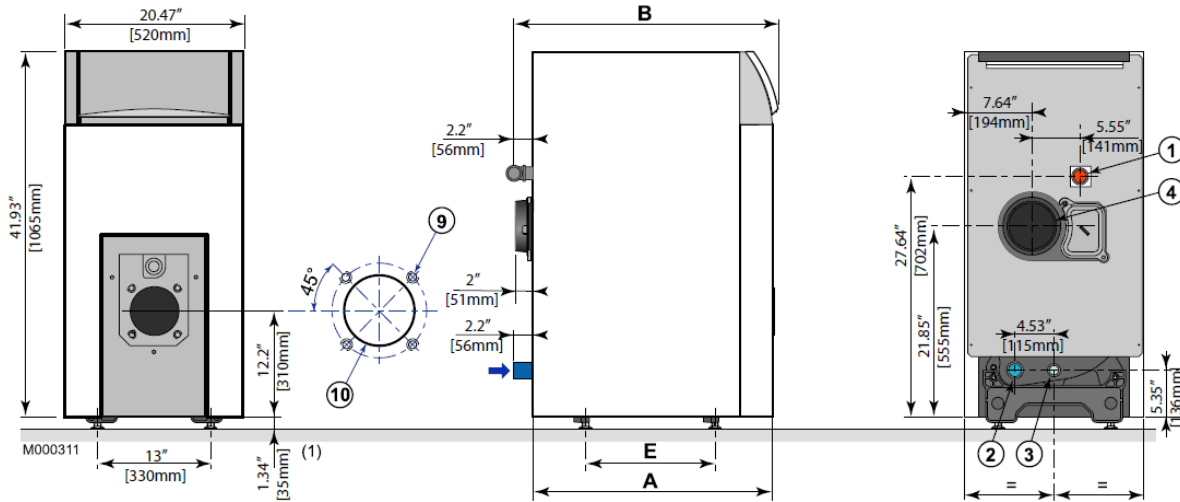
Project Name	
Project location	
Contractor	
Engineering Firm	
Boiler Representative	
Sales Rep. Phone	
Date Created	

Boiler Model		Burner Model	
Assembled		Burner Included	
Relief Valve		Fuel Type	
Boiler Options		Burner Options	
Code			

**Revision**

1		Date:	4		Date:
2		Date:	5		Date:
3		Date:	6		Date:

## Engineering Submittal Package for GT220A Series



(1) Adjustable feet: basic height 2" with 1.1875" to 2.5" adjustment range.

	GT 224A	GT 225A	GT 226A	GT 227A	GT 228A
A	27.56 [700]	32.56 [827]	37.56 [954]	42.56 [1081]	47.56 [1208]
B	30.39 [772]	35.39 [899]	40.39 [1026]	45.39 [1153]	50.39 [1280]
ØC	6 [153]	6 [153]	7.1 [180]	7.1 [180]	7.1 [180]
E	14.96 [380]	19.96 [507]	24.96 [634]	29.96 [761]	34.96 [888]
1&2	R1 1/4	R1 1/4	R1 1/2	R1 1/2	R1 1/2

1. Heating Outlet
2. Heating Return
3. Drainage / filling Rp ¾
4. Flue gas nozzle ØC
9. 4xM8 on Ø 5.9" [150mm] and 4 markings on Ø 6.7" [170mm]
10. Drilling Ø 4.33" [110mm] - precut Ø 5.12" [130mm]

GT 220A Combustible & Service Clearances	
Sides	20 in/500 mm
Rear	20 in/500 mm
Top	34 in/864 mm
Vent	As specified by vent manufacturer

### Boiler Specifications

Item	Unit	GT 224 A	GT 225 A	GT 226 A	GT 227 A	GT 228 A	
Firing Sequence		Consult Burner Technical Data					
[CSA] - Gas Input	MBH	173	224	274	324	361	
	kW	50.7	65.7	80.3	95.0	105.8	
[CSA] - # 2 Fuel Oil Input	US GPH	1.20	1.55	1.90	2.25	2.50	
[CSA] - Output [Gas-Oil]	MBH	147	190	233	276	306	
	kW	43.1	55.7	68.3	80.8	89.8	
[NET] - Output [Gas-Oil]	MBH	128	165	203	240	266	
Cast Iron sections	#	4	5	6	7	8	
Flue-way baffles	#	3	2	2	2	2	
Water capacity	US Gal	9.5	11.4	13.2	15.1	16.9	
	Liter	36	43	50	57	64	
Water resistance [Δt = °F]	18° F	Ft. H <sub>2</sub> O	0.82	1.34	1.99	2.77	3.4
	27° F	Ft. H <sub>2</sub> O	0.365	0.596	0.887	1.23	1.51
	36° F	Ft. H <sub>2</sub> O	0.204	0.335	0.498	0.693	0.85
Combustion chamber Dimensions	Diameter [equivalent]	Inch	12.17				
		mm	309				
	Depth	Inch	17.6	22.6	27.6	32.6	37.6
		mm	446	573	700	827	954
Volume	ft <sup>3</sup>	1.1653	1.4831	1.8009	2.1188	2.4366	
	m <sup>3</sup>	0.033	0.042	0.051	0.060	0.069	
MAWP [Water]	PSI	ASME IV Rating Class 30 - (60 PSI) [See Canadian Provincial CRN approvals]					
Min. Safety Relief Capacity	MBH	147	190	233	276	306	
DR 90 Panel	Electrical connection	V/P/H 120/1/60					
	Max. Water Temp. Safety Limit [MR]	°F	230				
		°C	110				
	Operating Water Temperature Range	°F	86 - 185				
°C		30 - 85					
Chamber resistance	Inch w.c.	0.08 - 0.16	0.20 - 0.24	0.08 - 0.24	0.16 - 0.24	0.24 - 0.32	
	mbar	0.2 - 0.4	0.5 - 0.6	0.2 - 0.6	0.4 - 0.6	0.6 - 0.8	
Gas-Vent Category	#	I, II - III or IV					
Boiler Vent connection	Inch	6	6	7	7	7	
Weight (dry)	lb	481	567	655	741	827	
	kg	218	257	297	336	375	