



EFFICIENT, EASY TO USE & COST-EFFECTIVE

THE YORK-SHIPLEY 5 SERIES

40 to 800 HP – Steam, Hot Water & High Temp Hot Water

THE 5 SERIES

Robustly constructed and highly efficient, for total user satisfaction.

Our 5 Series dryback scotch marine boiler is designed and built with the end-user in mind. By utilizing lean manufacturing principles, we have designed a system that encompasses the trinity of end-user satisfaction: Efficiency, ease-of-use and cost-effectiveness. The 5 Series is designed to deliver a complete solution that is built to last.



Thousands of R&D hours have been spent refining the 5 series design.

MAXIMUM SAFETY – Dual furnace pressure relief doors installed on the final pass of each boiler.

BUILT FOR THE OPERATOR – Strategically placed cleanouts, low maintenance refractory design and complete versatility in burner selection

HIGHEST EFFICIENCIES – 5 square feet of heat transfer surface area per boiler horsepower, from 40 horsepower to 800 horsepower.

PROVEN DESIGN – York-Shipley's 3-pass dryback can be found in thousands of industrial plants around the world.

ANY BRAND. ANY BURNER.

Our 5 Series boilers can be shipped with any brand of burner. Webster, Powerflame, Oilon, Industrial Combustion, Limpsfield, Preferred Utilities... you name it. The 5 Series can also be shipped without a burner installed for field installation.



DESIGN FEATURES

MAXIMUM CIRCULATION

Our field proven 5 Series horizontal firetube boiler is an ideal solution to almost any industrial or commercial steam requirement. The center-positioned furnace provides optimal circulation, even heat transfer and lessened risk of thermal shock.

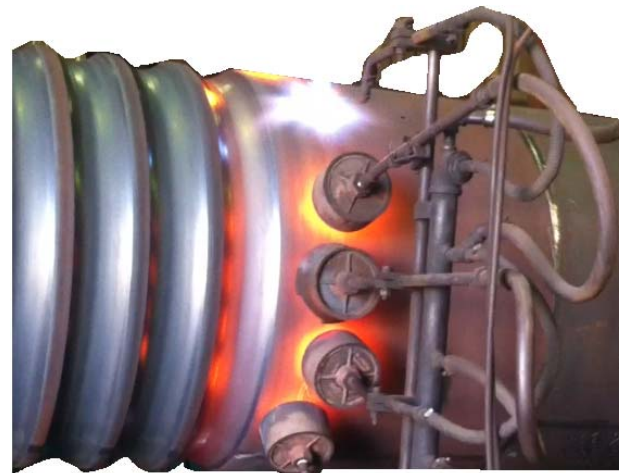
DESIGN STANDARDS

The design, material and workmanship of all pressure parts is in strict conformance with the rules and regulations in effect at the date of contract issuance. These include:

1. The ASME Boiler & Pressure Vessel Code
2. Requirements of the Hartford Steam Boiler Inspection and Insurance Company, under whose inspection the pressure parts of each unit shall be constructed.
3. Application-specific and jurisdictional requirements as noted by the customer.

BOILER FURNACES

Boiler furnaces are made of sufficient grade and thickness material as set forth by the latest ASME Boiler & Pressure Vessel Code's applicable section(s). Furnaces come in two varieties: smooth-wall and corrugated. Our in-house furnace corrugator ensures tight tolerances and superior quality control on those designs which require the furnace to be of Morrison Tube or corrugated design. Corrugations are



COMPLETE INTEGRATION

It takes more than just a boiler to build a boiler-room.



FEEDWATER SYSTEMS



DEAERATORS



WATER SOFTENERS



BLOWDOWN SEPARATORS



STEAM VALVES



PORTABLE BOILER ROOMS

Dryback

5 SERIES Boilers



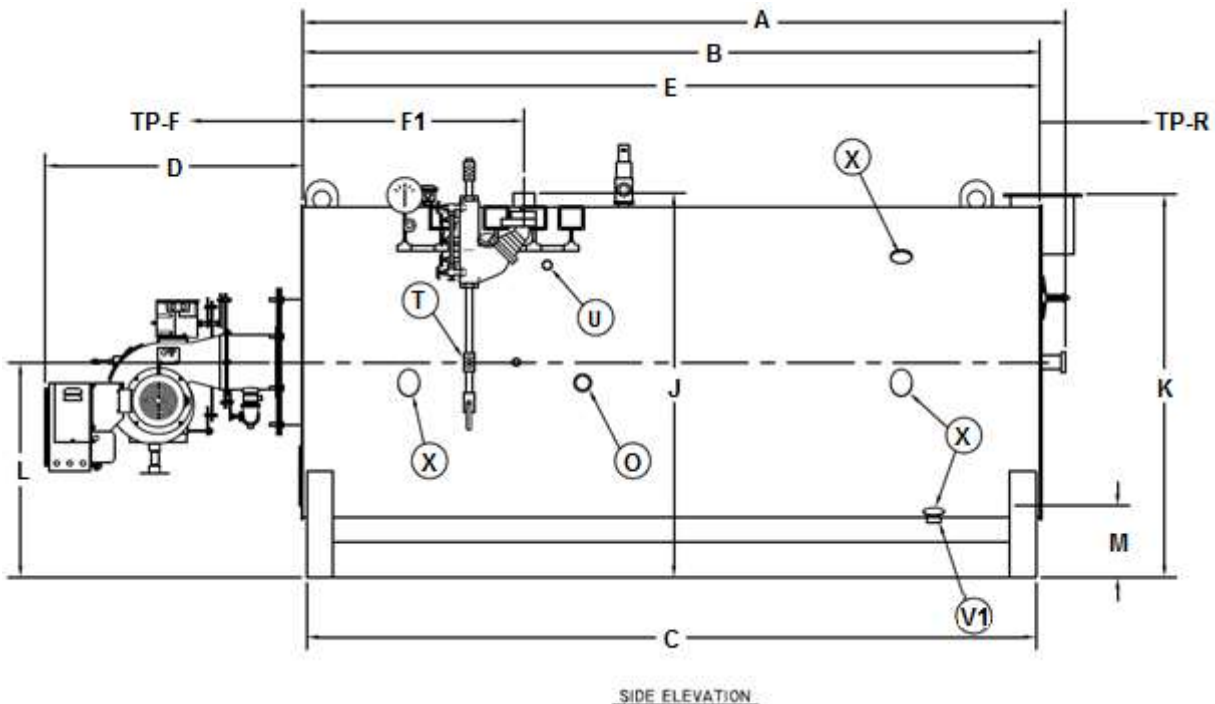
125 – 300 HP

Dimensions & Ratings

Boiler HP	125	150	175	200	250	300
Steam Capacity (PPH) From and at 212°F	4,312	5,175	6,038	6,900	7,763	8,625
Output (1,000 BTU/Hr)	4,185	5,022	5,859	6,696	7,532	8,370
Light Oil (GPH, 140K BTU)	37.0	43.5	52.0	59.5	67.0	74.5
Natural Gas (CFH)	5,234	6,100	7,328	8,315	9,421	10,468

COMPLETE INTEGRATION

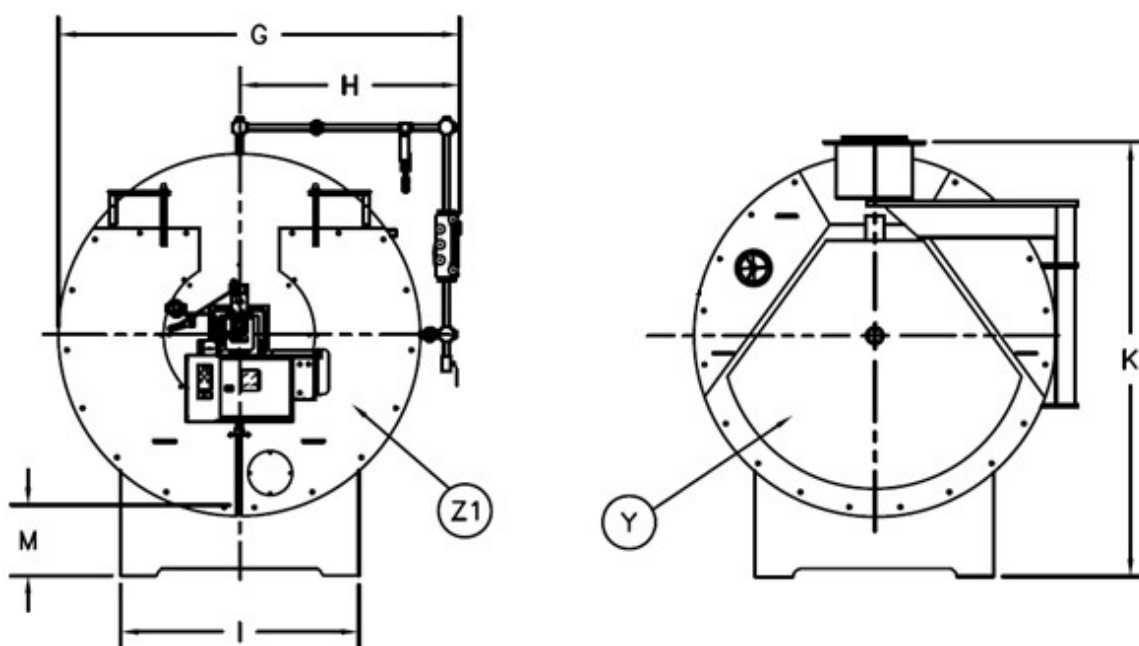
Boilers – Auxiliaries – Packaged Systems



Description	DIM	Boiler Horsepower					
		125	150	175	200	250	300
LENGTHS							
Length Overall	A	138	159	162	179	191	221
Shell Length	B	126	147	145	163	175	205
Base Frame	C	123	144	89	107	107	136
Burner (varies)	D	48	48	48	48	69	69
Vent Discharge	E	126	147	145	163	175	205
Steam Nozzle	F1	51	51	81	91	95	109
HW Supply Nozzle	F2	21	21	19.5	19.5	75	75
HW Return Nozzle	F3	50	50	57.75	57.75	19	19
WIDTHS							
Width Overall	G	74	74	78	78	90	90
Level Control Header	H	42	42	44	44	50	50
Base Frame	I	39	39	47	47	54	54
HEIGHTS							
Supply / Return Nozzle	J	78.75	78.75	86.75	87	98	98
Vent Discharge	K	74.5	74.5	85	85	99	99
Furnace	L	43	43	49	49	55	55
Shell Height	M	12	12	16	16	12	12

York-Shipley 5 Series Boilers

125 – 300 HP



Description	DIM	Boiler Horsepower					
		125	150	175	200	250	300
CONNECTIONS							
Vent Connection (ID)	N	12	12	14.5	14.5	18	18
Feedwater	O	1.25	1.25	1.5	1.5	1.5	1.5
Steam Outlet 150#	P1	3 †	3 †	4	4	6	6
Steam Outlet 15#	P2	8	8	10	10	10	10
HW Supply	Q	4	4	6	6	6	6
HW Return	R	4	4	6	6	6	6
Surface Blow-Off	S	1.25	1.25	1.5	1.5	1.5	1.5
Level Control Header	T	1	1	1	1	1	1
Chemical Injection	U	0.5	0.5	0.5	0.5	0.5	0.5
Blowdown/Drain	V1	1.5	1.5	1.5	1.5	1.5	1.5
ACCESS		NA	NA	NA	NA	NA	NA
Manway	W						
Hand Hole	X	1- 12x16	1- 12x16	1- 12x16	1- 12x16	1- 12x16	1- 12x16
Furnace	Y	6- 3.5x4.5	6- 3.5x4.5	7- 3.5x4.5	7- 3.5x4.5	7- 3.5x4.5	7- 3.5x4.5
Flue Gas - Front	Z	1	1	1	1	1	1
Flue Gas - Rear	Z1	2	2	2	2	2	2
CLEARANCES		2	2	2	2	2	2
Tube Pull - Front	TP-F						
Tube Pull – Rear	TP-R	106	126	123	143	149	178
Door Swing – Rear	DS-R	85	106	103	120	122	151
Door Swing - Front	DS-F	66.75	66.75	75	75	81	81