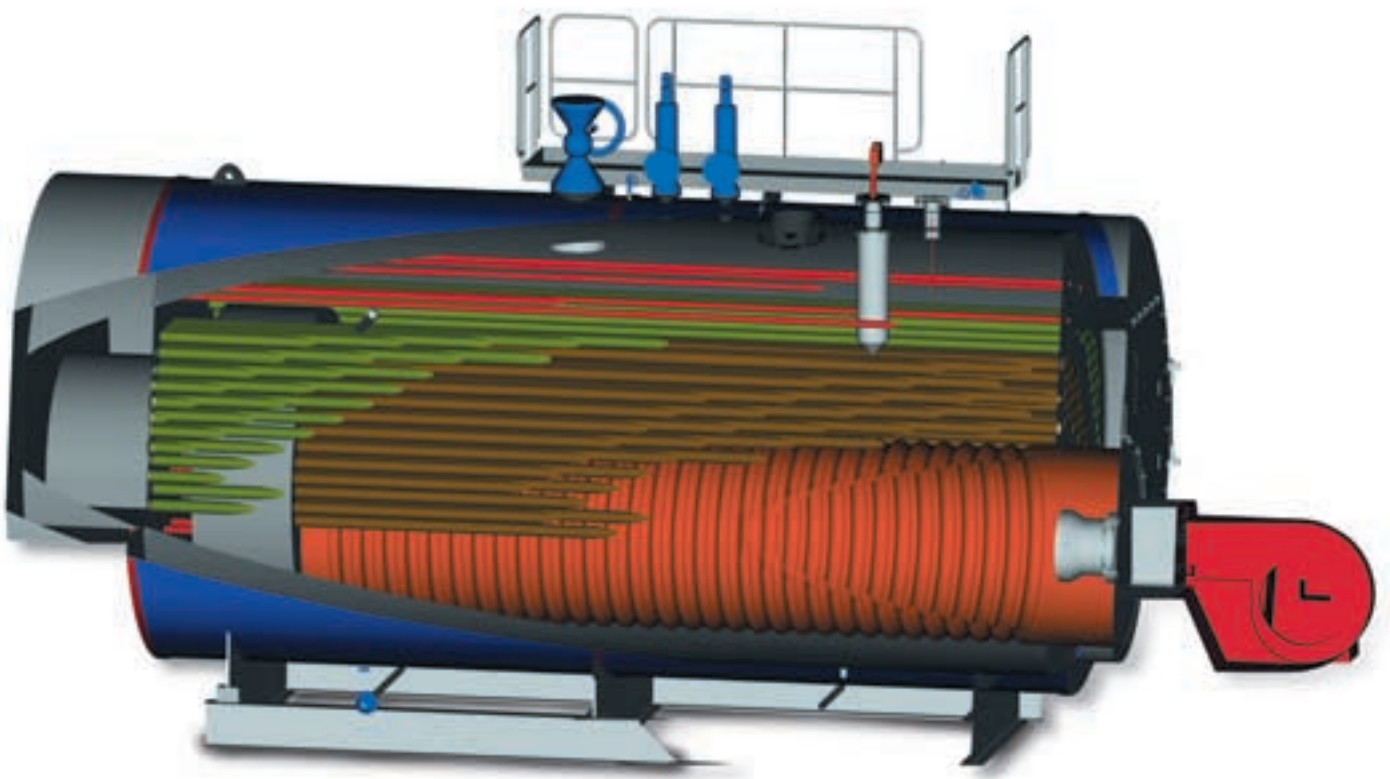


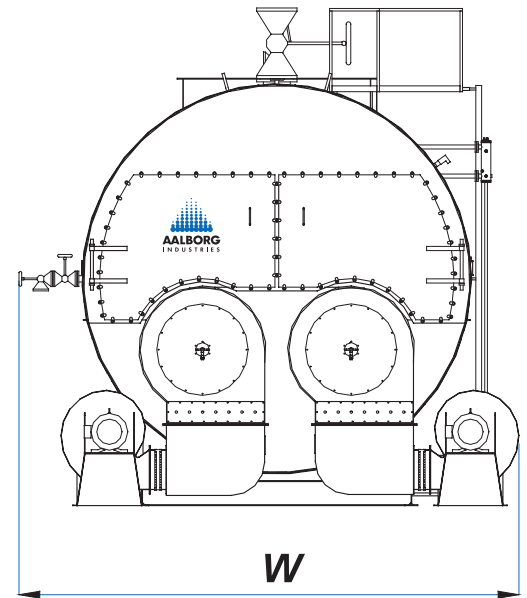
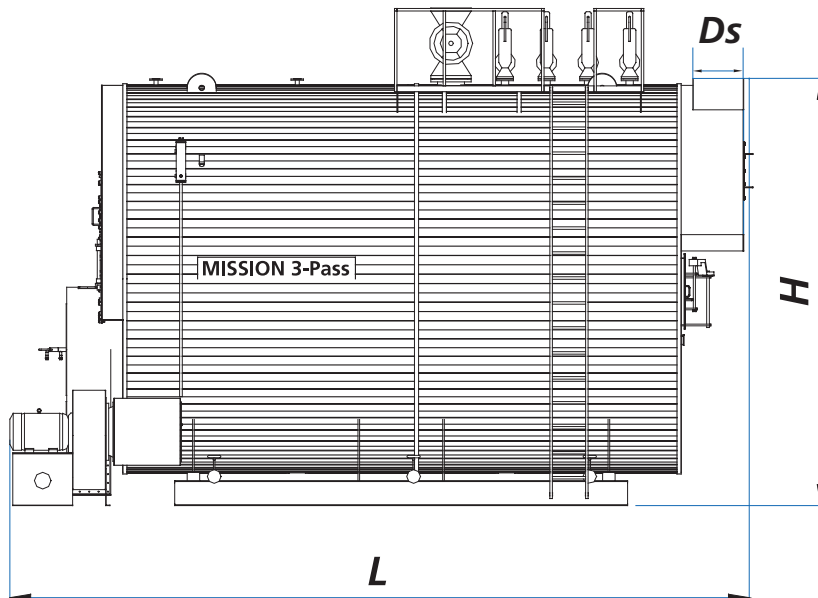
MISSION™ 3-Pass



MISSION™ 3-Pass is a modern oil/gas-fired industrial three-pass boiler with 1-34 t/h steam capacity (0.75-25.5 MW) and up to 30 bar (g) design pressure.

Designed according to the ASME 1 Code and European PED/EN regulations with the latest CAD technology and produced to international quality standards by ISO 9001:2000 certified Aalborg Industries companies.

Wet back shell boiler MISSION™ 3-pass



STANDARD PRODUCT RANGE

Capacity and dimensions

Output MW	Capacity		Efficiency 1) %	Oil flow 1) kg/h	Dimensions				Weight	
	at feed water temp. 105 °C kg/h	at feed water temp. 20 °C kg/h			2) Width W mm	Height H mm	Length L mm	Smoke outlet 3) Ds DN	Dry ton	Operation 4) ton
0.75	1,150	1,000	89.0	62	2,400	2,000	4,200	200	4	6
1.15	1,700	1,500	89.0	93	2,500	2,200	4,700	250	5	8
1.5	2,300	2,000	90.2	140	2,700	2,300	5,500	300	8	13
1.9	2,900	2,500	90.3	174	2,800	2,400	5,900	300	9	15
2.4	3,700	3,200	90.6	222	3,000	2,600	6,200	350	10	18
3.0	4,600	4,000	90.9	277	3,200	2,700	6,400	400	12	21
3.7	5,800	5,000	90.4	348	3,300	2,800	6,900	400	14	24
4.9	7,500	6,500	90.4	453	3,400	3,000	7,600	500	15	27
6.0	9,200	8,000	90.4	558	3,600	3,200	8,400	600	18	33
7.5	11,500	10,000	90.2	696	3,800	3,400	8,600	600	22	40
9.0	13,800	12,000	90.4	834	4,100	3,700	9,400	700	25	47
11.2	17,300	15,000	91.0	1,035	4,400	4,000	9,700	700	33	59
12.3	19,600	17,000	91.5	1,129	4,600	4,200	10,400	800	39	70
14.9 ⁵⁾	23,050	20,000	91.0	1,382	5,600	4,600	8,100	1,200	50	88
17.9 ⁵⁾	27,650	24,000	91.0	1,657	5,800	4,800	8,400	1,300	55	97
22.5 ⁵⁾	34,590	30,000	91.2	2,073	6,000	5,100	8,900	1,500	66	114
25.5 ⁵⁾	39,200	34,000	91.6	2,339	6,300	5,400	9,400	1,500	77	135

1) Data for distillate oil, lower heating value 41.8 MJ/kg, 10 bar (g) steam pressure, 25°C amb. temp. Efficiency according to DIN 1942 based on the lower heating value.

2) Width of boiler including insulation.

3) A stack with outlet in level H + 9 m can be mounted directly on the smoke outlet. Optional horizontal outlet available.

4) Weight with water at normal operating water level.

5) MISSION™ 3-Pass boilers exceeding 14 MW have two furnaces and two burners.

All capacities above are calculated with 10 bar (g) operating pressure.

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