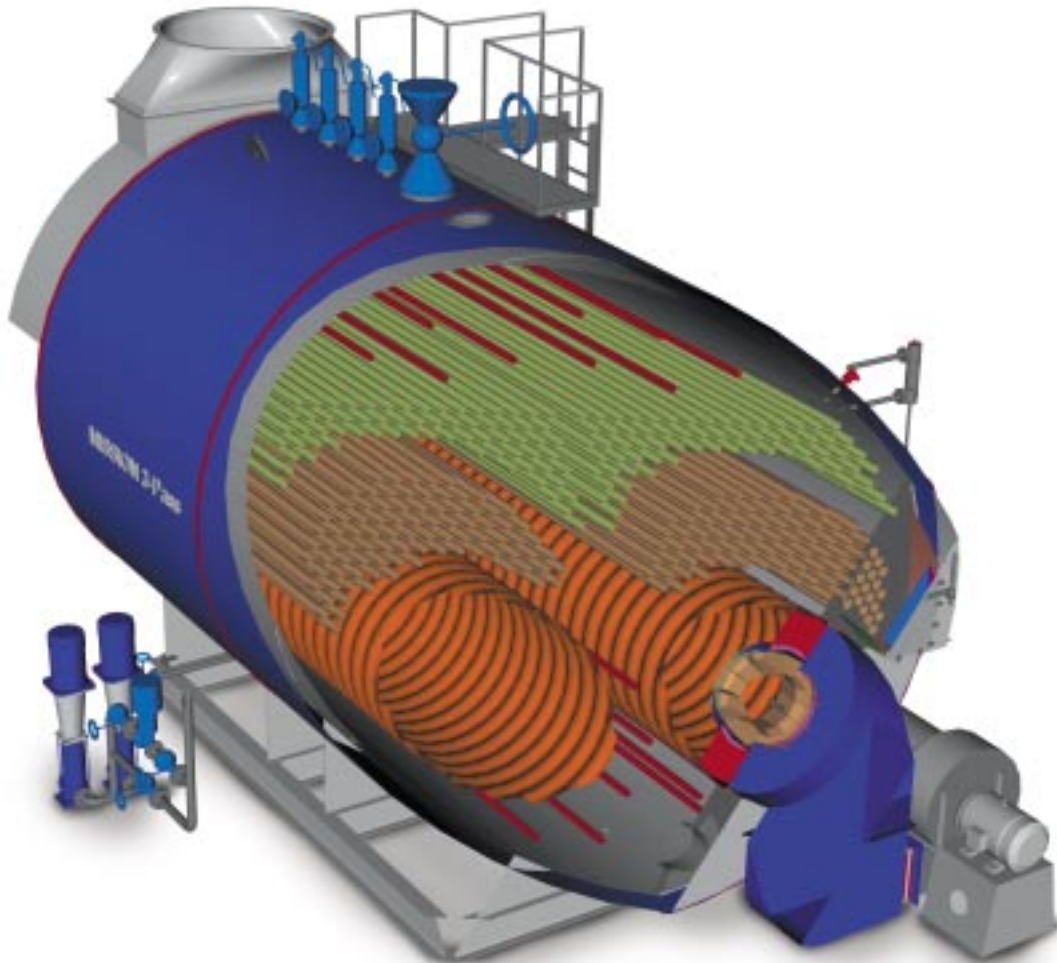


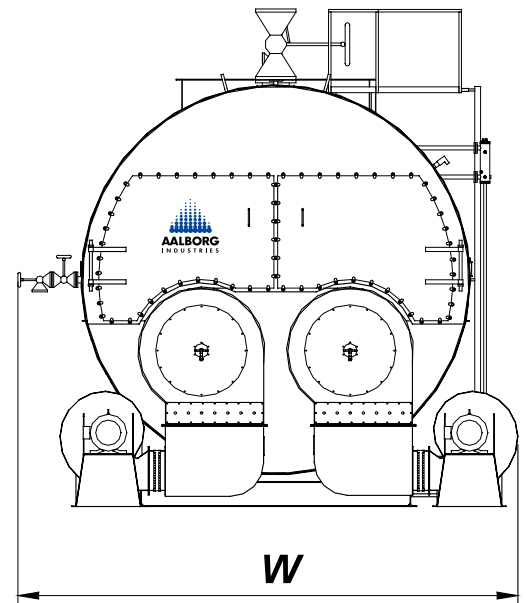
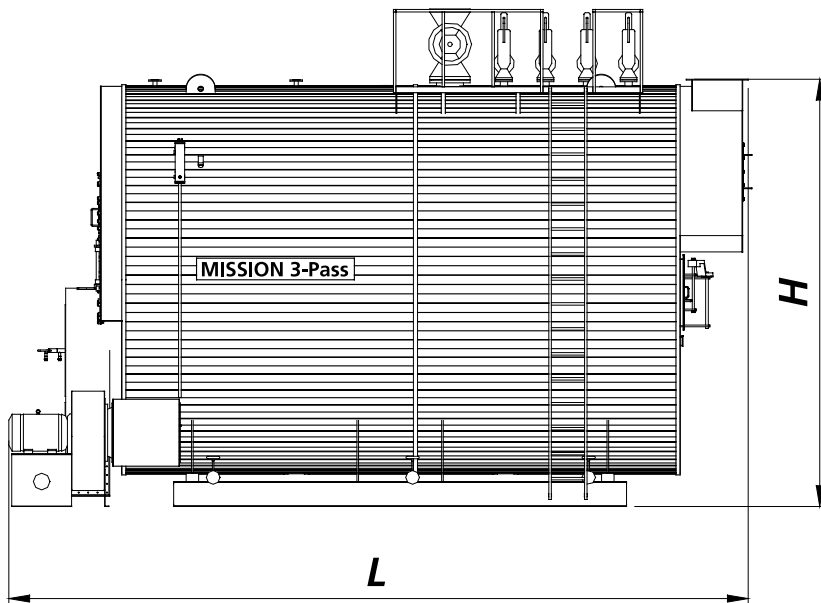
MISSION™ 3-Pass



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 %)	Oil flow kg/h	Dimensions				Weight	
	at feed water temp. 105 °C kg/h	at feed water temp. 20 °C kg/h			Diameter D ₂₎ mm	Height H mm	Length L mm	Ds ₃₎ DN	Dry ton	Operation ₄₎ ton
0.75	1,150	1,000	89.0	62	1,600	2,000	4,200	320	4	6
1.15	1,700	1,500	89.0	93	1,800	2,200	4,700	320	5	8
1.5	2,300	2,000	90.2	140	2,000	2,300	4,400	300	8	13
1.9	2,900	2,500	90.3	174	2,000	2,400	4,600	300	9	15
2.4	3,700	3,200	90.6	222	2,200	2,600	4,900	350	10	18
3.0	4,600	4,000	90.9	277	2,400	2,700	5,100	400	12	21
3.7	5,800	5,000	90.4	348	2,500	2,800	5,500	400	14	24
4.9	7,500	6,500	90.4	453	2,600	3,000	6,000	500	15	27
6.0	9,200	8,000	90.4	558	2,700	3,200	6,600	600	18	33
7.5	11,500	10,000	90.2	696	3,000	3,400	6,800	600	22	40
9.0	13,800	12,000	90.4	834	3,200	3,700	7,300	700	25	47
11.2	17,300	15,000	91.0	1,035	3,500	4,000	7,600	700	33	59
12.3	19,600	17,000	91.5	1,129	3,700	4,200	8,300	800	39	70
14.9 ⁵⁾	23,050	20,000	91.0	1,382	5,600	4,600	8,100	1000	50	88
17.9 ⁵⁾	27,650	24,000	91.0	1,657	5,800	4,800	8,400	1100	55	97
22.5 ⁵⁾	34,590	30,000	91.2	2,073	6,000	5,100	8,900	1400	66	114
25.5 ⁵⁾	39,200	34,000	91.6	2,339	6,300	5,400	9,400	1600	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 DIN1942 based on the lower heating value.

2) Diameter for 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.