

Low Voltage Electric Boiler

Capacity from 400 kW to 4,000 kW LTHW & HTHW, alternative Steam rating from 600 kg/h to 6,000 kg/h



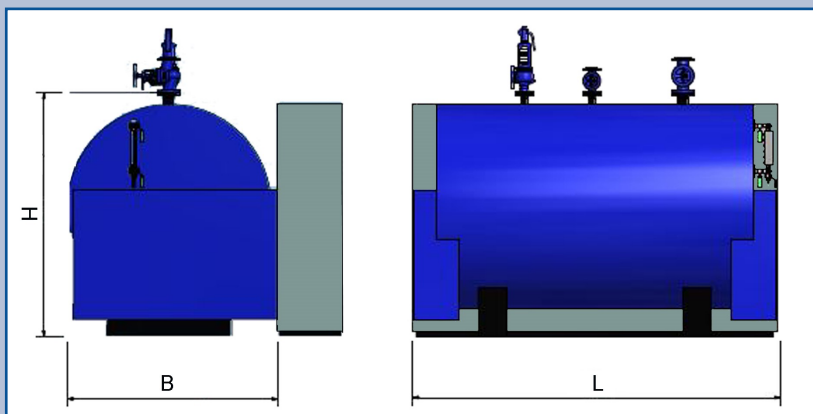
The global surplus electricity production from solar and wind energy offers financial benefits when supplementing the heating supply with electric boilers in district heating plants and industrial applications.

Quite often, district heating plants can substitute the use of fossil fuels by leaving it instead to an electric boiler to generate heat for the plant's accumulation tank when the price of electricity is low. This implies a more environmentally compatible operation and reduced vulnerability to energy price fluctuations.

The industries have the opportunities of supplementing or replacing hot water (LTHW), high-temperature hot water (HTHW) and steam boilers with electric boilers.

Analyses of the costs and benefits involved have demonstrated that electric boilers are extremely competitive and will improve the CO₂ accounts.

Electric boilers feature a robust design and a wide range of regulation. In terms of installation, operation and maintenance alike, they are usually more economical than conventional boilers, as no chimney is needed and the mechanical wear is minimized.



Heat capacity	Steam rating*	Total vol.	L	B	H	Transport weight	Cabinet depth	Cabinet length	Cabinet height	Cabinet weight	Heating elements	Electrical voltage
kW	kg/h	m ³	mm	mm	mm	kg	mm	mm	mm	kg	pc	V
400	600	0.9	1900	1460	1660	4000	600	2400	2100	675	8	400
600	900	0.9	1900	1460	1660	4000	600	2400	2100	700	12	400
800	1200	0.9	1900	1460	1660	4000	600	2400	2100	725	16	400
1000	1500	0.9	1900	1460	1660	4000	600	2400	2100	800	20	690
1200	1800	3.5	3500	1710	1910	5500	600	2400	2100	825	24	690
1600	2400	3.5	3500	1710	1910	5500	600	3200	2100	850	32	690
2000	3000	3.5	3500	1710	1910	5500	600	3200	2100	875	40	690
2400	3600	3.5	3500	1710	1910	5500	600	3200	2100	900	48	690
2800	4200	5.0	3500	1960	2160	7000	600	3200	2100	925	56	690
3200	4800	5.0	3500	1960	2160	7000	600	3200	2100	975	64	690
3600	5400	6.7	3500	2210	2410	8000	600	3200	2100	1000	72	690
4000	6000	6.7	3500	2210	2410	8000	600	3200	2100	1050	80	690

* at 100°C Feedwater

* Steam rating may vary acc. to the actual voltage supplied.

The manufacture reserves the right to make alterations.

All High Temperature boiler cabinets are equipped with a Siemens PLC.

Steam boilers are supplied with full control system for: Feedwater Regulation, Feedwater Pump Units, 72 h Modulating Safety and Regulating System, Automatic Blow-down Control and Equipment, Automatic water treatment, Water Sampling.

LTHW & HTHW boilers may be delivered with the full Danstoker accessory package according to request.