



**ZANTINGH**

# Electric boilers



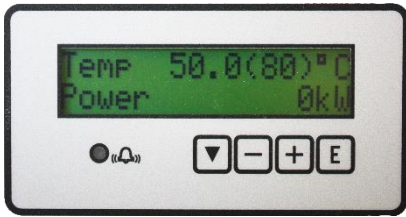
A Norwegian quality product

## SB 375 - 600 kW

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# SB 375-600 kW

The boiler can be delivered for 375-400 kW @ 230 V, and 375–600 kW @ 400 or 690 V. Operating temperature is max 100 °C, and max pressure is 6 bar. Available also in 16 bar version. The boiler is equipped with an electronic temperature regulator with 30 steps and temperature setting range 5 – 100 °C. A display is indicating temperature, power, steps etc.



30-step electronic regulator with option for remote control



Picture showing SB 600kW/400V

For optimized economical operation, an outdoor temperature sensor may be connected (optionally) for weather compensated heat curve regulation. Integrated step limitation allow power limitation if needed.

### Remote control/signals to SCADA

The boiler is prepared for remote control of temperature and power by 0-10 V signals. External start/stop and alarm signals are available on the terminal connector. Readouts of supply temperature, preset temperature and power are also available as 0–10 V signals.

### Notice:

- Boiler power may vary by +5/-10 % due to heating element tolerances.
- Ensure 1 m. clearance over the boiler for service and replacement of elements.
- Connection box for power cables may be installed on right hand (standard) or left hand side.

The boilers are CE marked

TYPE	POWER kW	VOLTAGE			AMP	REGULATION	DRY WEIGHT KG	WATER VOLUME l	FLANGE SUPPLY/RETURN	DRAIN/ EXPANSION
		50 Hz 3-PHASE								
		230 V	400 V	690 V						
SB 2375	375	●			941	30 step	450	310	DN 125/16	G 2"
SB 2400	400	●			1004	30 step	450	310	DN 125/16	G 2"
SB 4375	375		●		541	30 step	450	310	DN 125/16	G 2"
SB 4400	400		●		577	30 step	450	310	DN 125/16	G 2"
SB 4450	450		●		650	30 step	450	310	DN 125/16	G 2"
SB 4500	500		●		722	30 step	450	310	DN 125/16	G 2"
SB 4600	600		●		866	30 step	450	310	DN 125/16	G 2"
SB 6375	375			●	314	30 step	450	310	DN 125/16	G 2"
SB 6400	400			●	335	30 step	450	310	DN 125/16	G 2"
SB 6450	450			●	377	30 step	450	310	DN 125/16	G 2"
SB 6500	500			●	418	30 step	450	310	DN 125/16	G 2"
SB 6600	600			●	502	30 step	450	310	DN 125/16	G 2"

Current regulations for safety and electrical systems must always be followed!

### Electrical high power connection box

Connection clamps for 35 - 240 mm<sup>2</sup> Al/Cu cables. Max terminal current 380/425 A – Al/Cu – 4 conductors/phase.

Inlet for 4 cables – 4 conductors/phase. No use of N-conductor.



