

# Electric boilers

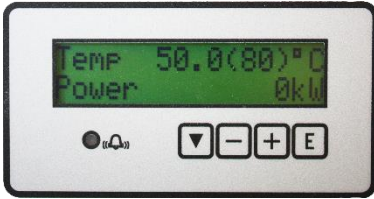


A Norwegian quality product 

## SB 180-300 kW

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The boiler can be delivered for 180-300 kW @ 230, 400 or 690 V. Operating temperature is max 100 °C, and max pressure is 6 bar. The boiler is equipped with an electronic temperature regulator with 15 steps and temperature setting range 5 – 100 °C. A display is indicating temperature, power, steps etc.



15- step elektronik regulator with option for remote control



Picture showing SB 300kW/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    | kW  | VOLTAGE<br>50 Hz 3-PHASE |       |       | AMP | REGULATION | DRY WEIGHT<br>KG | WATER<br>VOLUME<br>l | FLANGE<br>SUPPLY/RETURN | DRAIN/<br>EXPANSION |
|---------|-----|--------------------------|-------|-------|-----|------------|------------------|----------------------|-------------------------|---------------------|
|         |     | 230 V                    | 400 V | 690 V |     |            |                  |                      |                         |                     |
| SB 2180 | 180 | ●                        |       |       | 452 | 15 trinn   | 290              | 240                  | DN 100/16               | 1 ½"                |
| SB 2200 | 200 | ●                        |       |       | 502 | 15 trinn   | 295              | 240                  | DN 100/16               | 1 ½"                |
| SB 2225 | 225 | ●                        |       |       | 565 | 15 trinn   | 314              | 240                  | DN 100/16               | 1 ½"                |
| SB 2250 | 250 | ●                        |       |       | 628 | 15 trinn   | 315              | 240                  | DN 100/16               | 1 ½"                |
| SB 2300 | 300 | ●                        |       |       | 753 | 15 trinn   | 310              | 240                  | DN 100/16               | 1 ½"                |
| SB 4180 | 180 |                          | ●     |       | 260 | 15 trinn   | 290              | 240                  | DN 100/16               | 1 ½"                |
| SB 4200 | 200 |                          | ●     |       | 289 | 15 trinn   | 295              | 240                  | DN 100/16               | 1 ½"                |
| SB 4225 | 225 |                          | ●     |       | 325 | 15 trinn   | 300              | 240                  | DN 100/16               | 1 ½"                |
| SB 4250 | 250 |                          | ●     |       | 361 | 15 trinn   | 305              | 240                  | DN 100/16               | 1 ½"                |
| SB 4300 | 300 |                          | ●     |       | 433 | 15 trinn   | 310              | 240                  | DN 100/16               | 1 ½"                |
| SB 6180 | 180 |                          |       | ●     | 151 | 15 trinn   | 290              | 240                  | DN 100/16               | 1 ½"                |
| SB 6200 | 200 |                          |       | ●     | 167 | 15 trinn   | 295              | 240                  | DN 100/16               | 1 ½"                |
| SB 6225 | 225 |                          |       | ●     | 188 | 15 trinn   | 300              | 240                  | DN 100/16               | 1 ½"                |
| SB 6250 | 250 |                          |       | ●     | 209 | 15 trinn   | 305              | 240                  | DN 100/16               | 1 ½"                |
| SB 6300 | 300 |                          |       | ●     | 251 | 15 trinn   | 310              | 240                  | DN 100/16               | 1 ½"                |

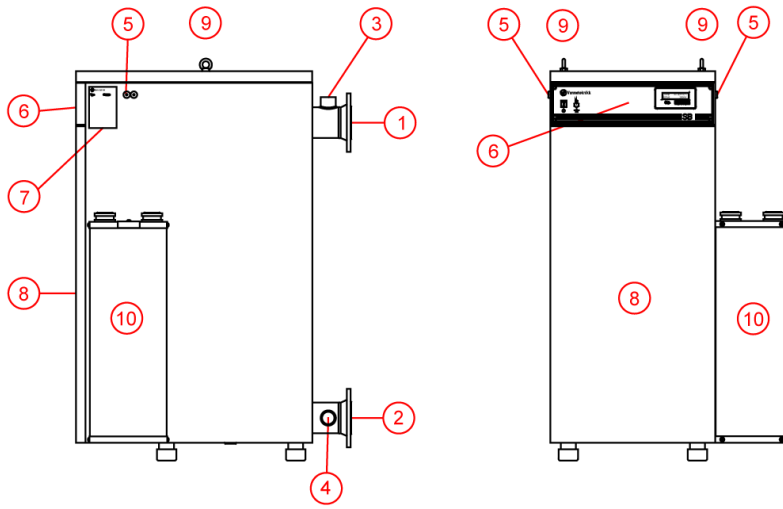
Current regulations for safety and electrical systems must always be followed!

### 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.

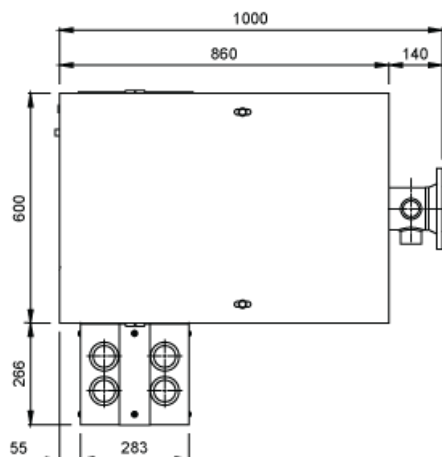
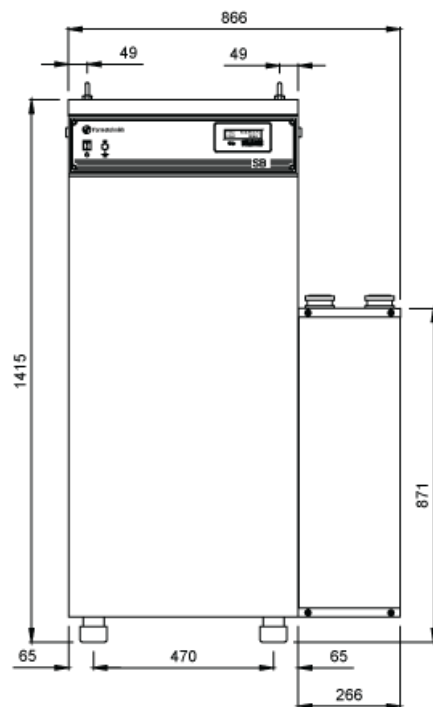
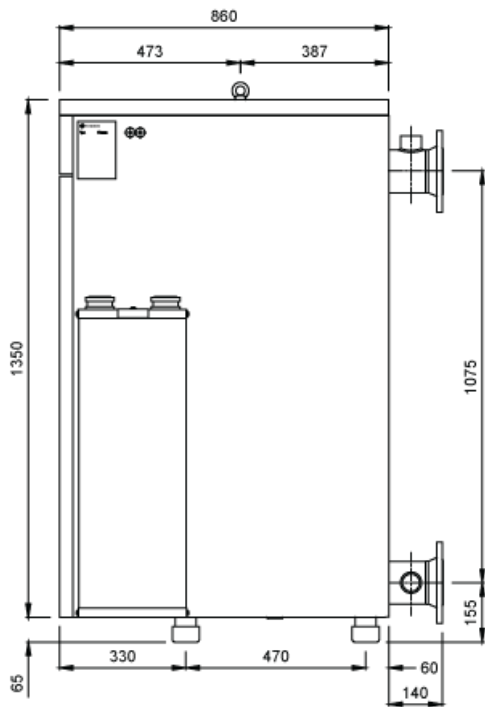
Inlet for 4 cables – 4 conductors/phase. No use of N-conductor.





1. Hydraulic outlet DN100 PN16
2. Hydraulic inlet DN100 PN16
3. 1½" muff for venting/safety valve
4. 1½" muff for drain/expansion
5. Cable inlets for control voltage/signals
6. Control panel
7. Type plate
8. Door
9. Lifting eye/hook
10. Connection box for power cables

All dimensions in mm.



**Notice:**

Ensure 1 m. clearance over the boiler for service and replacement of elements.