

# 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

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.



Picture showing SB 300kW/400V

## 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"                |

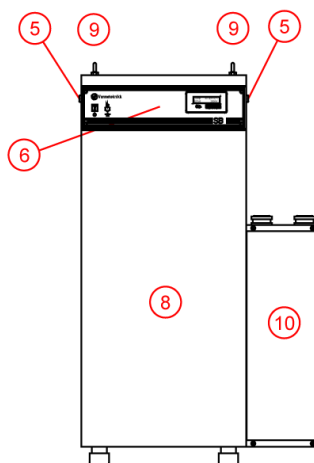
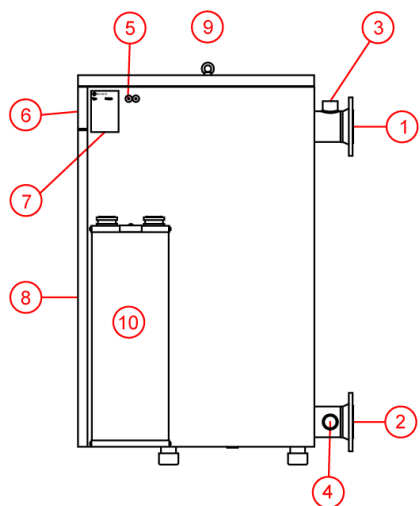
Current regulations for safety and electrical systems must always be followed!

## 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.

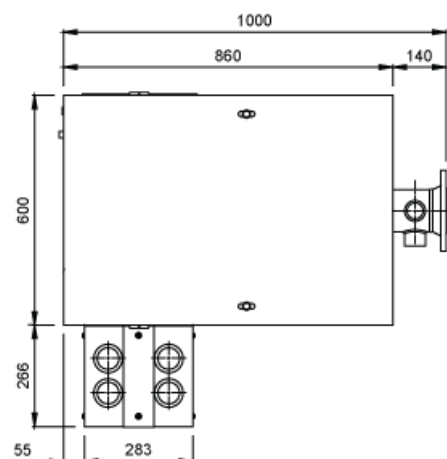
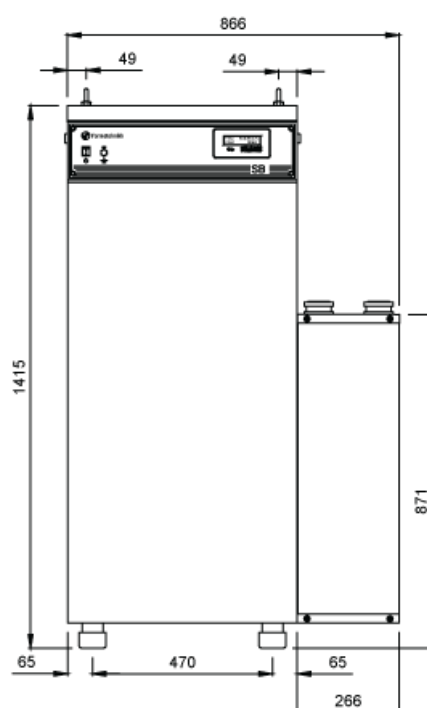
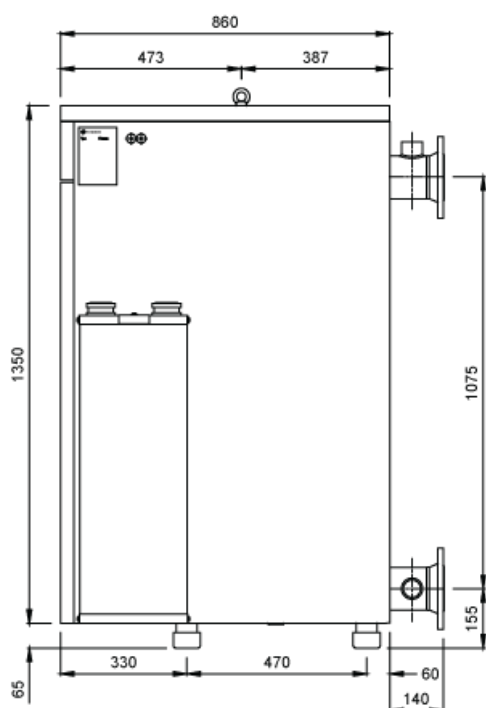
Inlet for 4 cables – 4 conductors/phase.  
No use of N-conductor.





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:**

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