

## Main dimensions



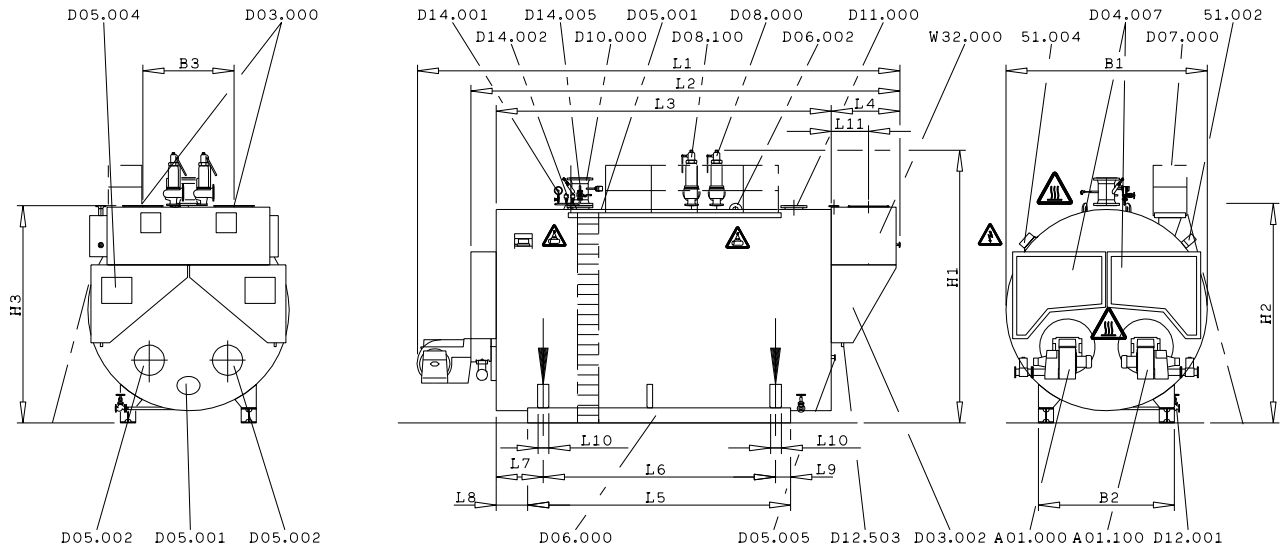
# BOSCH

## UNIMAT Hot water boiler UT-HZ

in three-pass flame-tube smoke-tube technology with integrated flue gas heat exchanger

DA168

Version 2 (12/19)



- 51.002 Instrument box **option**
- 51.004 terminal box
- A01.000 Burner 1 (left burner)
- A01.100 Burner 2 (right burner)
- D03.000 Flue gas connection socket
- D03.002 Flue gas chamber
- D04.007 Reversing chamber door
- D05.001 Inspection opening water side
- D05.002 Inspection opening flue gas side
- D05.004 Inspection opening flue gas side
- D05.005 Sight hole
- D06.000 Base frame

- D06.002 Lifting lug
- D07.000 Operating platform **option**
- D08.000 Pressure safeguard valve 1
- D08.100 Pressure safeguard valve 2 **option**
- D10.000 Supply flow
- D11.000 Return flow
- D12.001 Drain shut-off valve
- D12.503 Connection for drainage flue gas condensate
- D14.001 Pressure indicator (with test unit)
- D14.002 Pressure limiter
- D14.005 Shut-off valve
- W32.000 flue gas heat exchanger

### Explanation of symbols



Warning: dangerous electrical voltage



Lifting equipment to be fastened here, only



Warning: hot surface, e. g. uninsulated fitting

Subject to change



**UNIMAT Hot water boiler UT-HZ**

in three-pass flame-tube smoke-tube technology with integrated flue gas heat exchanger

**DA168**

Version 2 (12/19)

UNIMAT Hot water boiler Type	Dimension(s)							Flue gas connection		
	L 1 <sup>2)</sup> [mm]	L 2 <sup>1)</sup> [mm]	L 3 [mm]	L 4 [mm]	B 1 [mm]	H 1 <sup>3)</sup> [mm]	H 2 <sup>1)</sup> [mm]	L 11 [mm]	B 3 [mm]	H 3 [mm]
UT-HZ 13000	8496	7298	5575	1214	3810	4924	4012	603	1500	3985
UT-HZ 15000	9076	7688	5825	1354	3910	5128	4216	673	1500	4189
UT-HZ 18200	10096	8758	6655	1544	4000	5417	4320	743	1500	4293
UT-HZ 19500	10112	8858	6655	1544	4310	5604	4507	743	1800	4480
UT-HZ 22750	10492	9238	7075	1504	4510	5874	4697	743	1850	4670
UT-HZ 26000	10738	9528	7325	1544	4510	5874	4697	743	1850	4670
UT-HZ 32500	10896	10008	7575	1722	4700	6422	5010	813	1850	4983
UT-HZ 36000	11716	10758	8325	1722	4700	6422	5020	813	1850	4983
UT-HZ 38000	11886	10758	8325	1722	4700	6422	5045	813	1850	4983

UNIMAT Hot water boiler Type	Base frame							wide flange beam [IPB - HEB - DIN1025] [mm]
	L 5 [mm]	L 6 [mm]	L 7 [mm]	L 8 [mm]	L 9 [mm]	L 10 [mm]	B 2 [mm]	
UT-HZ 13000	4325	3725	925	625	300	225	2470	260
UT-HZ 15000	4575	3975	925	625	300	225	2600	280
UT-HZ 18200	5225	4625	925	625	300	225	2700	300
UT-HZ 19500	5375	4775	850	550	300	225	2800	300
UT-HZ 22750	5500	4900	950	650	300	225	2900	300
UT-HZ 26000	5500	4900	1120	820	300	225	2900	300
UT-HZ 32500	5500	4900	1335	1035	300	425	3100	300
UT-HZ 36000	6250	5650	1335	1035	300	425	3100	300
UT-HZ 38000	6250	5650	1325	1025	300	425	3100	300

- References and defaults to Requirements for the boiler installation room see technical information TI024.
  - Equipment and complete dimensions in accordance with project-related, technical data sheet.
  - The scope of delivery is defined in the order confirmation.
  - The boiler operating weight must be absorbed by the foundation in the area of the front and rear supports.
  - Where dimensions or weights are specified on the datasheet, the following tolerances apply: measurements  $\pm 1\%$ ; transportation weight  $\pm 4\%$ ; maximum weight  $\pm 2\%$  (also refer to Technical information TI024, chapter Pipe system)
  - The dimensions are designed for standard insulation:
    - 150 mm thick on the boiler ends
    - 175 mm thick at the rear end
    - 100 mm thick on the boiler shell
  - Dimensioning insertion opening:
    - Positioning height: addition of at least 100 mm to dimension H1 resp. dimension H2 (mounted / not mounted fittings)
    - Positioning width: addition of at least 200 mm to dimension B1 (mounted / not mounted fittings)
  - The height of the boiler house is determined by the system equipment. The clear passage over the operating platform should be at least 2 m.
- 1) Smallest transport dimensions once fittings, burner and terminal box have been removed (without cable ducting; with cable ducting 2 x + 75 mm).
- 2) Dimension L1 is an standard gauge and depends on the make, type and rated capacity of burner.
- 3) Dimension H1 may vary acc. to valve manufacturer.