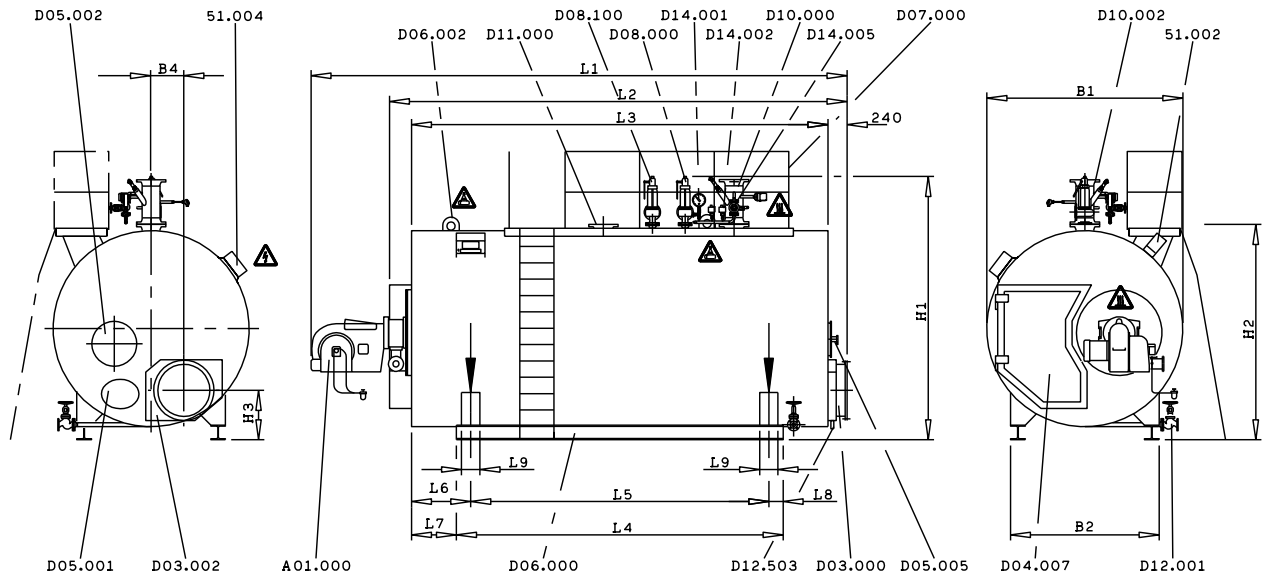


UNIMAT Hot water boiler UT-H

in three-pass flame-tube smoke-tube technology

DA050
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- | | | | |
|---------|----------------------------------|---------|---|
| 51.002 | Instrument box Option | D07.000 | Operating platform Option |
| 51.004 | Terminal box | D08.000 | Pressure safeguard valve 1 |
| A01.000 | Burner | D08.100 | Pressure safeguard valve 2 Option |
| D03.000 | Flue gas connection socket | D10.000 | Supply flow |
| D03.002 | Flue gas chamber | D10.002 | Supply flow adapter piece Option |
| D04.007 | Reversing chamber door | D11.000 | Return flow |
| D05.001 | Inspection opening water side | D12.001 | Drain shut-off valve |
| D05.002 | Inspection opening flue gas side | D12.503 | Connection for drainage flue gas condensate |
| D05.005 | Sight hole | D14.001 | Pressure indicator (test unit) |
| D06.000 | Base frame | D14.002 | Pressure limiter |
| D06.002 | Transportation lugs | D14.005 | Shut-off valve |

Explanation of symbols



Warning: dangerous electrical voltage



Lifting equipment to be fastened here, only



Warning: hot surface, e. g. uninsulated fitting

Main dimensions



BOSCH

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UNIMAT Hot water boiler Type	Dimensions						Flue gas connection	
	L 1 ²⁾	L 2 ¹⁾	L 3	B 1 ¹⁾	H 1 ³⁾	H 2 ¹⁾	B 3	H 3
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
UT-H 820	3897	3020	2620	1604	2262	1934	165	550
UT-H 1310	4224	3420	2970	1806	2504	2085	166	600
UT-H 1700	4600	3720	3270	1900	2638	2185	290	550
UT-H 2100	5397	4250	3800	1900	2638	2181	190	550
UT-H 2620	6048	5050	4600	2150	3002	2510	358	623
UT-H 3270	6088	5170	4600	2350	3177	2695	373	688
UT-H 3950	6954	5670	5100	2400	3217	2740	345	660
UT-H 4600	6965	5670	5100	2500	3437	2825	400	645
UT-H 5250	7415	6120	5550	2600	3562	2875	425	690
UT-H 6550	7851	6120	5550	2800	3732	3065	380	720
UT-H 7850	8101	6370	5800	2950	3957	3200	415	720
UT-H 8500	8101	6550	5800	3200	4222	3465	445	750
UT-H 9150	8101	6550	5800	3200	4222	3465	445	750
UT-H 10500	8931	7380	6630	3200	4327	3465	445	750
UT-H 11150	8931	7380	6630	3400	4592	3710	470	865
UT-H 11800	6588	7380	6630	3400	4592	3685	470	865
UT-H 14400	7340	7800	7050	3600	4747	3835	500	845
UT-H 18300	8575	7800	7050	4000	5397	4302	400	950

UNIMAT Hot water boiler Type	Base frame							
	L 4	L 5	L 6	L 7	L 8	L 9	B 2	Universal columnne IPB - HEB - DIN 1025
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
UT-H 820	2270	1890	365	175	190	80	1060	-
UT-H 1310	2570	2150	425	215	210	80	1100	-
UT-H 1700	2120	1830	840	695	145	150	1360	-
UT-H 2100	2750	2300	765	540	225	150	1360	-
UT-H 2620	3750	3400	600	425	175	225	1655	180
UT-H 3270	3500	3150	775	600	175	225	1785	180
UT-H 3950	4000	3650	675	500	175	225	1820	180
UT-H 4600	4000	3650	675	500	175	225	1890	180
UT-H 5250	4450	3950	800	550	250	225	1950	200
UT-H 6550	4450	3950	800	550	250	225	2080	200
UT-H 7850	4450	3950	800	550	250	225	2180	200
UT-H 8500	4700	4200	775	525	250	225	2340	240
UT-H 9150	4700	4200	800	550	250	225	2340	240
UT-H 10500	5500	5000	800	550	250	225	2340	240
UT-H 11150	5500	5000	800	550	250	225	2365	260
UT-H 11800	5500	5000	800	550	250	225	2365	260
UT-H 14400	5800	5200	925	625	300	225	2500	260
UT-H 18300	5800	5200	925	625	300	225	2700	300

Subject to change



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- 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 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
100 mm thick on the boiler shell
- Dimension of the insertion openings
 - opening height: Add at least 100mm to H1 or H2 (with / without assembled fittings)
 - opening width: Add at least 200mm to B1
- 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.
- The boiler types UT-H 820 / 1310 have inspection openings on the right-hand bottom side, instead of at the rear and.
- The boiler types UT-H 1700 / 2100 / 2620 have additional inspection openings on the right-hand bottom side.
- ¹⁾ Smallest transport dimensions with 100 mm insulation thickness if fittings, pump bracket and burner are removed (without cable ducting; with cable ducting +75 mm on right).
- ²⁾ Dimension L1 is an standard gauge and depends on the make, type and rated capacity of burner.
- ³⁾ The dimension H1 may vary depending on the valve manufacturer.