

TECHNICAL DATA

TYPE OF BOILER	DG 160	DG 260	DG 360	DG 460	DG 560	2 x DG 560	3 x DG 560	4 x DG 560
Unit type	Single unit	Single unit	Single unit	Single unit	Single unit	Double unit	Double unit	Double unit
Steam generating capacity	160 kg/h	260 kg/h	360 kg/h	460 kg/h	560 kg/h	1120 kg/h	1680 kg/h	2240 kg/h
capacity per Minute	2.6 kg/min	4.3 kg/min	6 kg/min	7.6 kg/min	9.3 kg/min	18,6 kg/min	27.9 kg/min	37.2 kg/min
Thermal load	110 kW	175 kW	245 kW	315 kW	400 kW	800 kW	1200 kW	1600 kW
Thermal output	105 kW	170 kW	235 kW	300 kW	380 kW	760 kW	1140 kW	1520 kW
Max. operating pressure	13 barÜ	13 barÜ	13 barÜ	13 barÜ	13 barÜ	13 barÜ	13 barÜ	13 barÜ
Warming up time	8 Minutes	8 Minutes	8 Minuten	8 Minutes	8 Minutes	8 Minutes	8 Minutes	8 Minutes
Max. oil throughput*	9.2 kg/h	14.6 kg/h	20.5 kg/h	26.5 kg/h	32.6 kg/h	65.2 kg/h	97.8 kg/h	130.4 kg/h
Max. gas throughput**	10.6 m ³ /h	17 m ³ /h	23.7 m ³ /h	30.5 m ³ /h	37.7 m ³ /h	75.4 m ³ /h	113.0 m ³ /h	150.7 m ³ /h
Gas flow pressure min.	20 mbar	20 mbar	20 mbar	20 mbar	20 mbar	20 mbar	20 mbar	20 mbar
Gas connection	1"	1"	1"	1"	1"	1"	1"	1"
Exhaust mass flow	0.05 kg/s	0.08 kg/s	0.11 kg/s	0.14 kg/s	0.18 kg/s	je 0.18 kg/s	je 0.18 kg/s	je 0.18 kg/s
Exhaust stack D	150 mm	300 mm	300 mm	300 mm	300 mm	je 300 mm	je 300 mm	je 300 mm
Flue draft min.	0.15 mbar	0.15 mbar	0.15 mbar	0.15 mbar	0.1 mbar	je 0.1 mbar	je 0.1 mbar	je 0.1 mbar
El. connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
El. power consumption	2,4 kW	3,2 kW	3,2 kW	4,0 kW	4,0 kW	8,0 kW	12,0kW	16,0 kW
Total weight	580 kg	700 kg	800 kg	1200 kg	1300 kg	je 1300 kg	je 1300 kg	je 1300 kg
Boiler height B	1580 mm	1756 mm	2043 mm	2043 mm	2140 mm	2140 mm	2140 mm	2140 mm
Boiler width C	800 mm	800 mm	800 mm	930 mm	930 mm	je 930 mm	je 930 mm	je 930 mm
Boiler depth D	1380 mm	1620 mm	1620 mm	1750 mm	1750 mm	je 1750 mm	je 1750 mm	je 1750 mm
Installation height A	1250 mm	1363 mm	1563 mm	1563 mm	1563 mm	1563 mm	1563 mm	1563 mm
Installation width C	690 mm	800 mm	800 mm	930 mm	930 mm	930 mm	930 mm	930 mm
Installation depth I	780 mm	800 mm	800 mm	930 mm	930 mm	930 mm	930 mm	930 mm
Exhaust stack H	850 mm	1438 mm	1438 mm	1438 mm	1438 mm	1438 mm	1438 mm	1438 mm



JUMAG
Multiple steam generating unit

Installation instructions

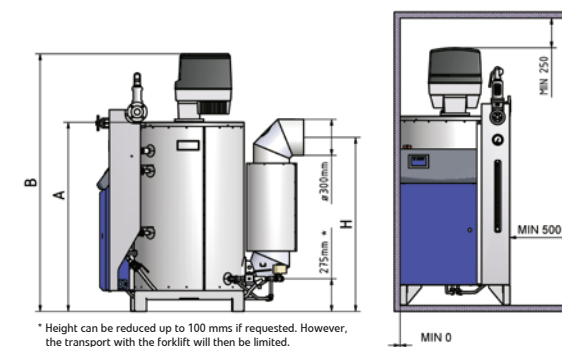
Jumag steam generators comply with the European Pressure Device Guideline 97/23/EC.

All boilers are classified to category III (pressure x volume < 1000).

The operation of JUMAG steam generators is permit-free and TÜV-monitor-free within Germany and also in some neighbouring countries.

The Regulation governing operational safety must be taken into account. Furnace regulations must likewise be observed and be co-ordinated with the locally responsible chimneysweep.

No boiler attendant needed even for multiple steam units.



* Height can be reduced up to 100 mm if requested. However, the transport with the forklift will then be limited.

Connections

Steam valve: Flange DIN 2633 DN20 (except DG 460 and DG 560: DN25)

Safety valve: Flange DIN 2633 DN25 (except DG 460 and DG 560: DN32)

Feed pump: 1" internal thread

Clarification line: 3/4" external thread

Technical data are subject to change.
Alternatively: Flue gas connecting piece to the left or right side

The supplied data applies to the use of the exhaust economiser and a feed water temperature of 90° C. *Oil - El: Hu = 11.86 kWh/kg ** Natural Gas: Hu = 10.35 kW h/m³n