

PARAMETERS OF AUTOMATIC BOILERS VERNER	A251.1G		
boiler body material	boiler plate cl. 11		
specified fuel	wooden pellets (Ø 6 - 14 mm)	alternative pellets (Ø 6 - 14 mm)	corn (barley, oat, rye, tritical, maize, wheat)
rated capacity	25 kW (max. 30 kW)	23 kW	23 kW
efficiency *	91,0% *	91,0% *	91,0% *
average fuel consumption (at rated capacity)	5,6 kg / h	6,8 kg / h	6,5 - 7,5 kg / h
adjustability by continuos operation	7,5 - 25 (30) kW	7,5 - 23 kW	7,5 - 23 kW
adjustability electronically controlled by outstanding mode	0 - 7,5 kW	0 - 7,5 kW	0 - 7,5 kW
burning time of standard feeding hopper (at rated capacity)	30 hours	25 hours	25 hours
standard feeding hopper volume	240 l		
ashbin capacity	15 l		
boiler height	1525 mm		
boiler width	670 mm		
boiler depth	1386 mm		
total weight	500 kg		
minimum transport body weight	400 kg		
specified operation chimney draught	15 - 30 Pa		
outlet combustion gas throat diameter	160 mm		
minimum chimney cut	200 cm2		
minimum recommended chimney height * *	5 m		
combustion gas temperature at outlet (at rated capacity)	120 °C (without turbulators 200 °C)		
combustion gas temperature at outlet (at half capacity)	100 °C (without turbulators 160 °C)		
combustion gas mass flow rate (at rated capacity)	0,016 kg/s		
water tank capacity	60 l		
connecting sleeves (internal thread)	G 2"		
adjustment range of outlet water temperature	65 - 90 °C		
minimum water return temperature at running	60 °C		
maximum operation overpressure	3 bar (0,3 MPa)		
recooling loop	no - it is not requirement		
turbulators	additional accessory		
lambda sensor	no		
efficiency class	3		
emission class of CO	3		
maximum electric input	1500 W		
average input at operation	60 - 90 W		
incoming voltage	230 V / 50 Hz		
maximum noise level	54 dB		

*depending on the corn quality

** it is orientation figure, minimum chimney height is influenced by the building position; the statement of the designer or chimneyer is decisive

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