

PARAMETERS OF LUMP WOOD BOILERS VERNER EXTRA	V140	V210
boiler body material	boiler plate cl. 11	boiler plate cl. 11
guarantee period for boiler body	5 years	5 years
specified fuel *	lump wood - length up to 35 cm, Ø up to 15 cm, wooden briquettes, wood chips, sawdust (fuel up to 20% of the moisture)	lump wood - length up to 35 cm, Ø up to 15 cm, wooden briquettes, wood chips, sawdust (fuel up to 20% of the moisture)
rated capacity	14 kW	20 kW
efficiency	up to 91%	up to 91%
average fuel consumption (at rated capacity)	3,6 - 3,8 kg / h	4,5 - 5,7 kg / h
adjustability by continuous operation	7 - 14 kW	11 - 20 kW
adjustability electronically controlled by outstanding mode **	2 - 7 kW	3 - 10 kW
burning time of full standard feeding hopper (at rated capacity)	3 hours - common lump wood (soft) 4 hours - high-quality lump wood (hard)	3 hours - common lump wood (soft) 4 hours - high-quality lump wood (hard)
feeding chamber capacity	55 l	75 l
boiler height	1230 mm	1230 mm
boiler width	580 mm	580 mm
total boiler depth (including controls and ventilator)	825 mm	925 mm
total weight	330 kg	370 kg
minimum operation chimney draught	10 Pa (0,1 mbar)	10 Pa (0,1 mbar)
outlet combustion gas throat diameter	160 mm	160 mm
minimum chimney cut	200 cm <sup>2</sup>	200 cm <sup>2</sup>
minimum recommended chimney height ***	3 m	3 m
combustion gas temperature at outlet (at rated capacity) ****	150 °C	150 °C
combustion gas mass flow rate (at rated capacity)	0,01 kg/s	0,014 kg/s
water tank capacity	30 l	32 l
connecting sleeves (internal thread)	G 6/4"i	G 6/4"i
adjustment range of outlet water temperature	60 - 90 °C	60 - 90 °C
minimum water return temperature at running	40 °C	40 °C
maximum operation overpressure	3 bar (0,3 MPa)	3 bar (0,3 MPa)
recooling loop	optionally	optionally
sensor of chimney temperature	yes	yes
efficiency class	3	3
average electric input at operation	35 W	35 W
incoming voltage	230 V / 50 Hz	230 V / 50 Hz
maximum noise level	55 dB	55 dB

\* it is possible to feed the boiler by logs of Ø 10 - 15 cm, wood chips or sawdust on already burning basic layer

\*\* at outstanding the boiler output doesn't go down to 0 immediately, but depending on heating mode

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

\*\*\*\* if the boiler is equipped with the sensor of chimney temperature, the upper limit of combustion gas temperature can be set up or adjusted at outlet