

INSTITUTE OF POWER ENGINEERING

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BOILERS AND HEATING EQUIPMENT RESEARCH LABORATORY

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CERTIFICATE

No. OS/170/CUE/14

Mini Bio Luxury boiler type series tested in accordance with
PN-EN 303-5: 2012, complies with class 5.

Parameter	Unit	Obtained value		Requirements of the standards and regulations	
		Mini Bio Luxury10	Mini Bio Luxury20		
Wood pellets $\Phi 6$ mm					
Fuel	Q_i^r	MJ/kg	17.96	no requirements	
	A^r	%	0.1	≤ 0.5	
	W^r	%	6.1	≤ 12	
Thermal power		kW	10.0	20.0	$\geq Q_N$
Efficiency η		%	90.1	91.0	≥ 88.0 for 10 kW
Emission ^x	CO	mg/m ³	84	41	≤ 500
	OGC	mg/m ³	4	4	≤ 20
	Dust	mg/m ³	13	19	≤ 40
$T_{sp_{av}}$		°C	124	135	300 ^{xx)}
Flue gas stream		g/s	8.0	11.9	no requirements

^{x)} expressed as 10% oxygen content in dry flue gas

^{xx)} maximal instantaneous flue gas temperature

Łódź; 05/08/2014

I, Marek Kądzelski, the undersigned duly commissioned Sworn Translator of the English language, in Warsaw Poland, do hereby certify the conformity of this true translation version with the original document in Polish presented to me on this fifth day of September, A.D. 2014.----

Warsaw, dated 5th September, 2014.-----

Repertorium nr 793/2014.-----

Pobrano opłatę zgodnie z obowiązującą taksą za trzy (3) strony uwierzytelnione.-----

Marek Kądzelski

