

ATTESTATION

Number WG / 2023 / 801K/2

Manufacturer: Przedsiębiorstwo Produkcyjno Handlowe Kostrzewa Spółka Jawna, ul. Przemysłowa 11A, 11-500 Giżycko

Product: Heating boiler for solid fuel with automatic stoking

Trade designation: EEI Pellets 12 with a power of 13 kW

Fuel: wood pellets

Boiler category: 1

Condensing boiler NO

Test method: PN-EN 303-5:2021-09

Boiler class 5

		Parameter	Symbol	Unit	Value	Criterion
Emissions	Load I	Carbon monoxide	E_{CO}	mg/m^3_n	128,28	≤ 500
		Nitrogen oxides, calculated as NO_2	E_{NOx}	mg/m^3_n	157,72	-
		Organic gaseous compounds	E_{OGC}	mg/m^3_n	2,18	≤ 20
		Dust	E_{PM}	mg/m^3_n	6,74	≤ 40
	Load II	Carbon monoxide	E_{CO}	mg/m^3_n	439,90	≤ 500
		Nitrogen oxides, calculated as NO_2	E_{NOx}	mg/m^3_n	142,98	-
		Organic gaseous compounds	E_{OGC}	mg/m^3_n	17,77	≤ 20
		Dust	E_{PM}	mg/m^3_n	16,68	≤ 40
	Seasonal	Carbon monoxide	$E_{s,CO}$	mg/m^3_n	393,16	≤ 500
		Nitrogen oxides, calculated as NO_2	$E_{s,NOx}$	mg/m^3_n	145,19	≤ 200
		Organic gaseous compounds	$E_{s,OGC}$	mg/m^3_n	15,43	≤ 20
		Dust	$E_{s,p}$	mg/m^3_n	15,19	≤ 40
Heat properties	Seasonal space heating energy efficiency in active mode		η_{son}	%	85,94	-
	Seasonal space heating energy efficiency		η_s	%	82,05	≥ 75
	Load I	Generated useful heat	P_n	kW	13,18	-
		Useful efficiency	η_n	%	86,76	-
		Efficiency	η_{cn}	%	93,84	$\geq 88,11$
	Load II	Generated useful heat	P_p	kW	3,56	-
		Useful efficiency	η_p	%	85,80	-
Efficiency		η_{cp}	%	93,22	$\geq 87,59$	
Electrical characteristics	Auxiliary electricity consumption Load I		$e_{l,max}$	kW	0,029	-
	Auxiliary electricity consumption Load II		$e_{l,min}$	kW	0,012	-
	Auxiliary electricity consumption in standby mode		P_{SB}	kW	0,0025	-
	Energy efficiency index		EEI	-	120,72	-
	Energy efficiency class		-	-	A+	-

*) the emissions listed above are related to dry exhaust gas containing 10% oxygen in the normal state, at a temperature of 273.15K and a pressure of 1013.25 mbar

Comparison of the results of the completed test, registered under number B/2023/801K in the Accredited Testing Laboratory No. AB024 with the requirements of the PN-EN 303-5:2021-09 standard for Class 5 in which the requirements of Commission Regulation (EU) 2015/1189 were implemented of April 28, 2015 on the implementation of Directive 2009/125/EC of the European Parliament and of the Council and Commission Delegated Regulation (EU) 2015/1187 of 27 April 2015 with regard to the requirements for solid fuel boilers.

LABORATORY MANAGER
Heating Equipment Laboratory

dr inż. Bartosz Węcki



THE DEPUTY
MANAGING DIRECTOR

dr inż. Maciej Jodkowski

Katowice, 18.08.2023 r.

Zakłady Badań i Atestacji "ZETOM" im. Prof. F. Stauba w Katowicach sp. z o.o.

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