

ATTESTATION

Number **WG / 2023 / 810K / 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: **MINI MATIC 11 with a power of 11 kW**

Fuel: wood pellets

Boiler category: 1

Condensing boiler NO

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

Boiler class 5

		Paramet	Symbol	Unit	Value	Criterion
Emissions	Nominal heat output	Carbon monoxide	E_{CO}	mg/m ³ _n	75,73	≤ 500
		Nitrogen oxides, calculated as NO ₂	E_{NOx}	mg/m ³ _n	147,63	-
		Organic gaseous compounds	E_{OGC}	mg/m ³ _n	4,96	≤ 20
		Dust	E_{PM}	mg/m ³ _n	13,52	≤ 40
	Minimum heat output	Carbon monoxide	E_{CO}	mg/m ³ _n	138,34	≤ 500
		Nitrogen oxides, calculated as NO ₂	E_{NOx}	mg/m ³ _n	117,29	-
		Organic gaseous compounds	E_{OGC}	mg/m ³ _n	9,27	≤ 20
		Dust	E_{PM}	mg/m ³ _n	17,88	≤ 40
	Seasonal	Carbon monoxide	$E_{s,CO}$	mg/m ³ _n	128,95	≤ 500
		Nitrogen oxides, calculated as NO ₂	$E_{s,NOx}$	mg/m ³ _n	121,85	≤ 200
		Organic gaseous compounds	$E_{s,OGC}$	mg/m ³ _n	8,63	≤ 20
		Dust	$E_{s,p}$	mg/m ³ _n	17,23	≤ 40
Heat properties	Seasonal space heating energy efficiency in active		η_{son}	%	86,59	-
	Seasonal space heating energy efficiency		η_s	%	82,01	≥ 75
	Nominal heat output	Generated useful heat	P_n	kW	10,72	-
		Useful efficiency	η_n	%	85,99	-
		Efficiency	η_{cn}	%	93,05	≥ 88,04
	Minimum heat output	Generated useful heat	P_p	kW	2,98	-
		Useful efficiency	η_p	%	86,69	-
Efficiency		η_{cp}	%	93,82	≥ 87,52	
Electrical characteristics	Auxiliary electricity consumption Load I		$e_{l,max}$	kW	0,038	-
	Auxiliary electricity consumption Load II		$e_{l,min}$	kW	0,019	-
	Auxiliary electricity consumption in standby mode		P_{SB}	kW	0,0033	-
	Energy efficiency index		EEI	-	120,98	-
	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/2023/810K 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.

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Katowice, 21.08.2023

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