VERSO

Declaration of performance According to Regulation (EU) n.305/2011		n .00280325-005			
№	**Information according to Regulation (EU) n.305/2011**	**Registration by the manufacturer**			
1	Unique identification code of the product type	Code 27 - Verso Rheia, Verso Rheia P Residential solid fuel burning appliances - roomheater			
2	Type, batch or serial number	Serial № - see the CE marking			
3	Intended use(s)	Roomheater fired by solid fuel without hot water supply, for intermittent burning with firedoor closed			
3	Name or registered trade mark of the manufacturer	Verso Engineering LTD Gorna Oryahovitsa – Bulgaria Str. Ivan Momchilov 4a – 5100 Tel. +359878700839			
4	Name and address of the authorized representative	-			
5	System of assessment and verification of constancy of performance	System 3			
6	Notified laboratory	Kontrol 94 LTD			
		Test report : 1879-K-07-2025 / 28.03.2025 Report (AoP) : 1879-AoP-HD-0050/12.11.2025			
7	Harmonized technical specification	EN 16510-2-1:2022, EN 16510-1:2022			
8	**Essential characteristics**				
	Mechanical resistance and stability				
	Maximum load of a chimney the appliance max carry	m_{chim}	50		kg
	Safety in case of fire				
	Protection of combustible materials				
	Minimum distances to combustible materials - bottom	d_B	0		mm
	Minimum distances to combustible materials – floor in front	d_F	1500		mm
	Minimum distances to combustible materials - ceiling	d_C	800		mm
	Minimum distances to combustible materials - rear	d_R	600		mm
	Minimum distances to combustible materials - side	d_S	600		mm
	Minimum distances to combustible materials – side radiation area	d_L	1500		mm
	Minimum distances to combustible materials - front	d_P	2000		mm
	Material type and thickness of the protective insulation material	NPD			
	Hygiene, health and environment				
	Emissions at nominal (nom) and part load (part) heat output		nom	part	
	Carbon monoxide emission	CO	907	-	mg/m^3

	Nitrogen oxides emission	NO_x	91	-	mg/m^3
	Emission of organic gaseous carbon	OGC	95	-	mg/m^3
	Particulate matter emissions	PM	18	-	mg/m^3
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	Safety and accessibility in use				
	Data for installation to a chimney at nominal (nom) and part load (part) heat output		**Nom**	**part**	
	Flue gas outlet temperature	$\mathbf{T_S}$	254	-	°C
	Minimum flue draught	**p**	12	-	Pa
	Flue gas mass flow	$\mathbf{\Phi_{f,g}}$	6,2	-	g/s
	Data for installation to a chimney regarding fire safety on safety test heat output				
	Fire safety of installation to the chimney	-	T400G		
	Energy economy and heat retention				
	Appliance's thermal output and energy efficiency at nominal (nom) and part load (part) heat output		**Nom**	**part**	
	Heat output	P	5	-	kW
	Space heat output	P_{SH}	5	-	kW
	Water heat output, if applicable	P_W	-	-	kW
	Efficiency	η	84	-	%
	Space heating efficiency				
	Seasonal space heating efficiency at nominal heat output	η_s	73,7		%
	Energy Efficiency	Index (EEI)	111		
		Class	A+		
	Consumption of electrical auxiliary energy at nominal heat output	$\mathbf{el_{max}}$	-		kW
	Consumption of electrical auxiliary energy at part loat heat output	$\mathbf{el_{min}}$	-		kW
	Consumption of electrical auxiliary energy at standby	$\mathbf{el_{SB}}$	-		kW
	Sustainable use of natural resources				
	Environmental sustainability	NPD			
9.	The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.				

28.03.2025 Gorna Oryahovitsa, Bulgaria	Georgi Ivanov