

Assessment of Performance Report **n.1880-AoP-056-25**

For the purposes of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this Assessment of Performance Report under AVCP system 3 applies to the construction products

Brand - Models: **NORSK KLEBER - MARCELLO 100 / 120 / 140**

residential solid fuel burning appliances – roomheaters

placed on the market under the name or trademark of

NORSK KLEBER AS
SKANSEN 29
2670 OTTA
NORWAY

This Assessment of Performance Report attests that the performance of the above-mentioned construction product has been assessed in accordance with the harmonized standard

EN 16510-2-1:2022

under AVCP system 3 with regard to the essential characteristics listed in Annex 1.

Basis of the assessment: testing and issuing of Test report 1880-CPR-056-25.

This Assessment of Performance Report has been drawn up in accordance with the GNB Position Paper NB-CPR 23/836 and covers only the essential characteristics listed in Annex 1. It is not an exhaustive statement of the performance of the product. The manufacturer is responsible for the Declaration of Performance of the product and can declare the performance of other essential characteristics than those mentioned in Annex 1.

This Assessment of Performance report is not considered a product certificate or a document to directly accompany neither the product nor the Declaration of Performance. See CPR Article 4(3).

This Assessment of Performance Report will remain applicable, under the manufacturer's responsibility, as long as neither the harmonised standard, the construction product, nor the AVCP methods are modified significantly.

October 10, 2025

Head of laboratory
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ANNEX 1

Essential characteristic	Performance		Basis for the assessment of performance
Mechanical resistance and stability			
Load bearing capacity	0 kg		declared by the manufacturer
Safety in case of fire			
Protection of combustible materials Minimum distance to combustible materials	bottom d _B 0 mm floor in front d _F 0 mm top d _C 750 mm rear d _R 500 mm side d _S 450 mm side radiation d _L 250 mm front d _P 1200 mm		Test report n. 1880-CPR-056-25
Protection of combustible materials Thickness - type of protective insulation	-		
Hygiene, health and the environment			
Emission of combustion products [ref. at 13% O ₂]:	pellets at nominal heat output: CO 174 mg/m ³ NOx 97 mg/m ³ OGC 3 mg/m ³ PM 7 mg/m ³	wood logs at nominal – part load heat output: CO 608 – 1342 mg/m ³ NOx 95 – 85 g/m ³ OGC 25 – 77 g/m ³ PM 15– 10 mg/m ³	Test report n. 1880-CPR-056-25
Safety and accessibility in use			
Data for installation to a chimney			
Flue gas outlet temperature	pellets at nominal heat output: 216 °C	wood logs at nominal – part load heat output: 190 – 186 °C	Test report n. 1880-CPR-056-25
Minimum flue draught	12 Pa	12 – 13 Pa	
Flue gas mass flow	10 g/s	6,1 – 5,7 g/s	
Data for installation to a chimney regarding fire safety on safety test heat output:			
Fire safety of installation to a chimney	T400G		declared by the manufacturer
Energy economy and heat retention			
Appliance's thermal output and energy efficiency at nominal – part load heat output:			
Space heat output	pellets at nominal heat output: 12,9 kW	wood logs at nominal – part load heat output: 7,2 – 4,4 kW	Test report n. 1880-CPR-056-25
Water heat output	- kW	- - - kW	
Efficiency	88,3 %	89,7 – 85,3 %	
Space heating efficiency			
Seasonal space heating efficiency at appliance's nominal heat output	pellets 78,3 %	wood logs 79,7	Test report n. 1880-CPR-056-25
Energy efficiency	EEI 118	EEI 120	
	class A+	class A+	
Electric power consumption at: nominal heat output	- W	- W	
part load heat output	- W	- W	
standby mode power consumption	- W	- W	
Sustainable use of natural resources			
Environmental sustainability	NPD		declared by the manufacture