

Assessment of Performance Report n.1880-AoP-031-22

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:

**MCZ - GHEA AIR 6 S1, MCZ - GHEA AIR 6 XUP! S1
RED - REN AIR 6 S1, RED - REN AIR 6 XUP! S1
RED - KUNAL AIR 6 S1, RED - KUNAL AIR 6 XUP! S1**

mechanically by wood pellets fed roomheater without boiler

placed on the market under the name or trademark of

**MCZ GROUP S.P.A.
Via La Croce 8
33074 Vigonovo di Fontanafredda (PN) - Italy**

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 16510-2-6:2022

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-031TR-22.

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.

February 12, 2025

Head of laboratory
dr.ssa Claudia Marcuzzi


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MARCUIZZI CLAUDIA
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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 cm floor in front d _F 50 cm top d _C 80 cm rear d _R 15 cm side d _S 15 cm side radiation d _L 60 cm front d _P 100 cm	Test report n. 1880-CPR-031TR-22
Protection of combustible materials Thickness - type of protective insulation	-	
Hygiene, health and the environment		
Emission of combustion products [ref. at 13% O ₂]:	at nominal – part load heat output: CO 99 – 401 mg/m ³ NOx 108 – 87 mg/m ³ OGC 1 – 1 mg/m ³ PM 14 – 38 mg/m ³	Test report n. 1880-CPR-031TR-22
Safety and accessibility in use		
Data for installation to a chimney at nominal – part load heat output:		
Flue gas outlet temperature	162 – 90°C	Test report n. 1880-CPR-031TR-22
Minimum flue draught	10 – 5 Pa	
Flue gas mass flow	4,6 – 1,8 g/s	
Data for installation to a chimney regarding fire safety on safety test heat output:		
Fire safety of installation to a chimney	T200G	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	6,3 – 2,4 kW	Test report n. 1880-CPR-031TR-22
Water heat output	- - - kW	
Efficiency	91 – 96,9 %	
Space heating efficiency		
Seasonal space heating efficiency at appliance's nominal heat output	80 %	Test report n. 1880-CPR-031TR-22
Energy efficiency	EEI 121	
	class A+	
Electric power consumption at appliance's nominal heat output	48 W	
Electric power consumption at appliance's part load heat output	29 W	
Standby mode power consumption	1,5 W	
Sustainable use of natural resources		
Environmental sustainability	NPD	declared by the manufacturer