# Assessment of Performance Report
## *n.1880-AoP-093-22*

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 – RAY COMFORT AIR 8 M2,**
**MCZ – RAY COMFORT AIR 8 UP! M2,**
**MCZ – RAY COMFORT AIR 8 XUP! M2,**
**MCZ – RAAM COMFORT AIR 8 S2,**
**MCZ – RAAM COMFORT AIR 8 UP! S2,**
**MCZ – RAAM COMFORT AIR 8 XUP! S2,**
**MCZ – ROCK COMFORT AIR 8 S1,**
**MCZ – ROCK COMFORT AIR 8 XUP! S1,**
**RED – HOYA MULTIAIR 8 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-093TR-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.

August 25, 2025

Head of laboratory
dr.ssa Claudia Marcuzzi

Firmato digitalmente da MARCUZZI CLAUDIA
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Cap. Soc. € 78.000,00 i.v. – Iscr. Reg. Impr. n. 00218610939 – Cod. Fisc. e P.IVA 00218610939

## 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<br>Minimum distance to combustible materials | bottom $d_B$ 0 mm<br>floor in front $d_F$ 200 mm<br>top $d_C$ 800 mm<br>rear $d_R$ 30 mm<br>side $d_S$ 100 mm<br>side radiation $d_L$ 400 mm<br>front $d_P$ 1000 mm | Test report n. 1880-CPR-093TR-22 |
| Protection of combustible materials<br>Thickness - type of protective insulation | - | |
| **Hygiene, health and the environment** | | |
| Emission of combustion products<br>[ref. at 13% $O_2$]: | at nominal – part load heat output:<br>CO 98 – 188 mg/m$^3$<br>NOx 119 – 99 mg/m$^3$<br>OGC 1 – 3 mg/m$^3$<br>PM 11– 14 mg/m$^3$ | Test report n. 1880-CPR-093TR-22 |
| **Safety and accessibility in use** | | |
| Data for installation to a chimney at nominal – part load heat output: | | |
| Flue gas outlet temperature | 215 – 137 °C | Test report n. 1880-CPR-093TR-22 |
| Minimum flue draught | 10 – 5 Pa | |
| Flue gas mass flow | 4,7 – 3,9 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 | 7,8 – 3,6 kW | Test report n. 1880-CPR-093TR-22 |
| Water heat output | - – - kW | |
| Efficiency | 90,2 – 90,1 % | |
| Space heating efficiency | | |
| Seasonal space heating efficiency at appliance's nominal heat output | 86 % | Test report n. 1880-CPR-093TR-22 |
| Energy efficiency | EEI 127 | |
| | class A+ | |
| Electric power consumption at appliance's nominal heat output | 90 W | |
| Electric power consumption at appliance's part load heat output | 40 W | |
| Standby mode power consumption | 3 W | |
| **Sustainable use of natural resources** | | |
| Environmental sustainability | NPD | declared by the manufacturer |



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