

## **Assessment of Performance Report** **n.1880-CPR-078-007-21**

In compliance with 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 applies to the construction product

### **EGO AIRMATIC 8 M3 CORE** **MAKO COMFORT AIRMATIC 8 M1 CORE\***

**residential space heating appliance fired by wood pellets without hot water supply**

**placed on the market under the name or trademark of**

**MCZ GROUP S.P.A**  
**VIA LA CROCE 8**  
**33074 VIGONOVO DI FONTANAFREDDA**  
**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 14785:2006**

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

This Assessment of Performance Report will remain applicable as long as neither the harmonized standard, the construction product, nor the AVCP methods are modified significantly.

March 21, 2022

Head of laboratory  
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## ANNEX 1

| Essential characteristic  | Performance   | Basis for the assessment of performance |
|---|---|---|
| Reaction to fire  | A1  | declared by the manufacturer            |
| Distance to combustible materials<br>(minimum distance in mm)     | Rear = 40 - 120*<br>Sides = 100 – 200*<br>Floor = 0   | Test report<br>n. 1880-CPR-078-001-21   |
| Risk of burning fuel falling out                                  | Pass  |   |
| Emission of combustion products<br>[ref. at 13% O <sub>2</sub> ]: | at nominal heat output:<br>CO [76 mg/Nm <sup>3</sup> ]<br>CO [51 mg/MJ]<br>CO [0,006 %]<br>NOx [95 mg/Nm <sup>3</sup> ]<br>NOx [63 mg/MJ]<br>OGC [5 mg/Nm <sup>3</sup> ]<br>OGC [3 mg/MJ]<br>Particulate matter [9 mg/Nm <sup>3</sup> ]<br>Particulate matter [6 mg/MJ]<br><br>at reduced heat output:<br>CO [141 mg/Nm <sup>3</sup> ]<br>CO [94 mg/MJ]<br>CO [0,011 %]<br>NOx [88 mg/Nm <sup>3</sup> ]<br>NOx [59 mg/MJ]<br>OGC [3 mg/Nm <sup>3</sup> ]<br>OGC [2 mg/MJ]<br>Particulate matter [7 mg/Nm <sup>3</sup> ]<br>Particulate matter [5 mg/MJ] |   |
| Surface temperature   | Pass  | declared by the manufacturer            |
| Electrical safety   | Pass  |   |
| Cleanability  | Pass  |   |
| Thermal output:<br>Heat output                                    | [8,0 kW] at nominal heat output<br>[2,4 kW] at reduced heat output  | Test report<br>n. 1880-CPR-078-21       |
| Efficiency  | η[90,4 %] nominal heat output<br>η[92,9 %] at reduced heat output:  |   |
| Flue gas temperature  | T[166 °C] nominal heat output<br>T[78,9 °C] at reduced heat output  |   |

\* models rear heating air