

## DECLARATION OF PERFORMANCE

Declaration of performance according to Regulation (EU) 305/2011  
**n. 023CPR13.07**

- Unique identification code of the product type:  
**160-00-012A, residential space heating appliance, with water, fired by wood pellets**  
**EN 14785:2006**
- Type, batch or serial number or any other element allowing identification of the construction product as required under Art. 11 (4):  
**HRV170**
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:  
**Residential space heating appliance, with water, fired by wood pellets**
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required by Art. 11 (5):  
**Ravelli s.r.l.**  
**Via A. Kupfer, 31**  
**25036 Palazzolo s/O (Bs) Italia**
- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2):  
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- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:  
**System 3**
- In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
**The notified laboratory IMQ Primacontrol Srl (NB 1881) performed the determination of the product type on the basis of type testing under system 3 and issued test report CPD-12-015 S2**
- Declared performance

<b>Harmonized technical specification:</b>	<b>EN 14785:2006</b>
<b>Essential characteristics</b>	<b>Performance</b>
<b>Fire safety</b>	
<b>Reaction to fire</b>	<b>A1</b>
<b>Distance to combustible materials</b>	<b>Minimum distances (mm):</b> <b>rear = 200</b> <b>sides = 200</b> <b>front = 1000</b> <b>ceiling = ---</b> <b>floor = ---</b>
<b>Risk of burning fuel falling out</b>	<b>Pass</b>
<b>Emission of combustion products (at 13% of O<sub>2</sub>)</b>	<b>Nominal heat output</b> <b>CO 0,012 %</b> <b>NOx 130 mg/Nm<sup>3</sup></b> <b>OGC 5 mg/Nm<sup>3</sup></b> <b>PM 12 mg/Nm<sup>3</sup></b>  <b>Reduced heat output</b> <b>CO 0,032 %</b> <b>OGC 10 mg/Nm<sup>3</sup></b>
<b>Surface temperature</b>	<b>Pass</b>
<b>Electrical safety</b>	<b>Pass</b>
<b>Cleanability</b>	<b>Pass</b>
<b>Maximum operating pressure</b>	<b>2 bar</b>
<b>Flue gas temperature at nominal heat output</b>	<b>190 °C</b>
<b>Mechanical resistance (to carry a chimney/flue)</b>	<b>NPD</b>
<b>Nominal heat output</b>	<b>21 kW</b>
<b>Room heating output</b>	<b>3,5 kW</b>
<b>Water heating output</b>	<b>17,5 kW</b>
<b>Efficiency</b>	<b>η 90 % Nominal heat output</b> <b>η 94 % Reduced heat output</b>

- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer \_\_\_\_\_ Stefano Ravelli, CEO \_\_\_\_\_ (name and title)

Place \_\_\_\_\_ Palazzolo s/O \_\_\_\_\_ Date \_\_\_\_\_ 1/7/2013 \_\_\_\_\_ Sign 