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**Notified Body according Regulation ( EU ) 305/2011 - Identification number: NB 1879**  
**System of assessment and verification of constancy of performance – System 3**

**ASSESSMENT OF PERFORMANCE REPORT****№ 1879-AoP-HD-0010 / 06.10.2025**

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 product:

**According to the manufacturer, the product is made available on the market under the name:**  
**„ARES”**

**Description:** A cooker with manually controlled regime for operation with closed door

**Purpose:** For heating of house rooms without hot water tank.

**Documentation provided by the manufacturer:**

- instructions for installation and operation
- technical drawings of the product and its components

**The product is placed on the market under the name of:**

**Applicant:** „Smederevac” d.o.o., Djure Strugara 20, 11300 Smederevo, Serbia

**Manufacturer:** „Smederevac” d.o.o., Djure Strugara 20, 11300 Smederevo, Serbia

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

- EN 16510-2-3:2022 “Residential solid fuel burning appliances - Part 2-3: Cookers”;

**under AVCP system 3 and Annex ZA tab. ZA.1, EN 16510-2-3:2022 with regard to the essential characteristics listed below:**

| Essential characteristic |                                                                                                           |      |                                                                            | Performance<br>(fuel – beech<br>wood logs) |                   | Basis for the<br>assessment of<br>performance |
|--------------------------|-----------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------|--------------------------------------------|-------------------|-----------------------------------------------|
| №                        | Description                                                                                               | Unit | Method / criterion<br>for assessment<br>according to<br>EN 16510-2-3: 2022 |                                            |                   |                                               |
| 1                        | 2                                                                                                         | 3    | 4                                                                          | 5                                          | 6                 |                                               |
| <b>I.</b>                | <b>Safety in case of fire</b>                                                                             |      |                                                                            |                                            |                   |                                               |
| 1                        | Protection of combustible materials:                                                                      |      | item 4.1                                                                   |                                            |                   |                                               |
| 1.1                      | ♦ minimum distance to combustible materials – side ( $d_s$ )                                              | mm   |                                                                            | 400 <sup>1)</sup>                          | 0 <sup>2)</sup>   | *                                             |
| 1.2                      | ♦ minimum distance to combustible materials – side radiation area ( $d_L$ )                               | mm   |                                                                            | 500 <sup>1); 2)</sup>                      |                   | *                                             |
| 1.3                      | ♦ minimum distance to combustible materials – rear ( $d_R$ )                                              | mm   |                                                                            | 400 <sup>1)</sup>                          | 150 <sup>2)</sup> | *                                             |
| 1.4                      | ♦ minimum distance to combustible materials – front ( $d_F$ )                                             | mm   |                                                                            | 800 <sup>1); 2)</sup>                      |                   | *                                             |
| 1.5                      | ♦ minimum distance to combustible materials – bottom ( $d_B$ )                                            | mm   |                                                                            | 0 <sup>1); 2)</sup>                        |                   | *                                             |
| 1.6                      | ♦ minimum distance to combustible materials – floor in front ( $d_F$ )                                    | mm   |                                                                            | 500 <sup>1); 2)</sup>                      |                   | *                                             |
| 1.7                      | ♦ minimum distance to combustible materials – ceiling ( $d_C$ )                                           | mm   |                                                                            | 1200 <sup>1); 2)</sup>                     |                   | *                                             |
| 1.8                      | ♦ minimum distances from the sides to combustion material in radiation area of the hot plate ( <b>D</b> ) | mm   |                                                                            | 500 <sup>2)</sup>                          |                   | *                                             |
| 1.9                      | ♦ minimum distances from the rear to combustion material in radiation area of the hot plate ( <b>C2</b> ) | mm   |                                                                            | 400 <sup>2)</sup>                          |                   | *                                             |
| 1.10                     | ♦ Protective insulation material and thickness                                                            | mm   |                                                                            | NA                                         |                   | -                                             |





# ASSESSMENT OF PERFORMANCE REPORT

№ 1879-AoP-HD-0010 / 06.10.2025



| 1                                                                                             | 2                                                                                     | 3                  | 4                   | 5             | 6 |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|---------------------|---------------|---|
| <b>II. Hygiene, health and the environment</b>                                                |                                                                                       |                    |                     |               |   |
| <b>1 At nominal heat output:</b>                                                              |                                                                                       |                    |                     |               |   |
| 1.1                                                                                           | Carbon monoxide emission (CO) at 13%O <sub>2</sub>                                    | mg/Nm <sup>3</sup> | item 4.2, Table 2   | 1127          | * |
| 1.2                                                                                           | Nitrogen oxides emission (NO <sub>x</sub> ) at 13%O <sub>2</sub>                      | mg/Nm <sup>3</sup> | item 4.3, Table 3   | 112           | * |
| 1.3                                                                                           | Emission of organic gaseous compounds (OGC) at 13%O <sub>2</sub>                      | mg/Nm <sup>3</sup> | item 4.4, Table 4   | 111           | * |
| 1.4                                                                                           | Particulate matter emissions (PM) at 13%O <sub>2</sub>                                | mg/Nm <sup>3</sup> | item 4.5, Table 5   | 34            | * |
| <b>2 At part load heat output:</b>                                                            |                                                                                       |                    |                     |               |   |
| 2.1                                                                                           | Carbon monoxide emission (CO) at 13%O <sub>2</sub>                                    | mg/Nm <sup>3</sup> | item 4.2, Table 2   | NA            | - |
| 2.2                                                                                           | Nitrogen oxides emission (NO <sub>x</sub> ) at 13%O <sub>2</sub>                      | mg/Nm <sup>3</sup> | item 4.3, Table 3   | NA            | - |
| 2.3                                                                                           | Emission of organic gaseous compounds (OGC) at 13%O <sub>2</sub>                      | mg/Nm <sup>3</sup> | item 4.4, Table 4   | NA            | - |
| 2.4                                                                                           | Particulate matter emissions (PM) at 13%O <sub>2</sub>                                | mg/Nm <sup>3</sup> | item 4.5, Table 5   | NA            | - |
| <b>III. Safety and accessibility in use</b>                                                   |                                                                                       |                    |                     |               |   |
| <b>1 Data for installation to a chimney at nominal heat output:</b>                           |                                                                                       |                    |                     |               |   |
| 1.1                                                                                           | Flue gas outlet temperature                                                           | °C                 | item 4.6.2          | 206           | * |
| 1.2                                                                                           | Minimum flue draught                                                                  | Pa                 | item 4.6.4          | 12            | * |
| 1.3                                                                                           | Flue gas mass flow                                                                    | g/s                | item 4.6.6          | 9,5           | * |
| <b>2 Data for installation to a chimney at part load heat output:</b>                         |                                                                                       |                    |                     |               |   |
| 2.1                                                                                           | Flue gas outlet temperature                                                           | °C                 | item 4.6.3          | NA            | - |
| 2.2                                                                                           | Minimum flue draught                                                                  | Pa                 | item 4.6.5          | NA            | - |
| 2.3                                                                                           | Flue gas mass flow                                                                    | g/s                | item 4.6.7          | NA            | - |
| <b>3 Data for installation to a chimney regarding fire safety on safety test heat output:</b> |                                                                                       |                    |                     |               |   |
| 3.1                                                                                           | Fire safety of installation to the chimney – Tclass                                   | -                  | item 4.6.8          | T400 G        | * |
| <b>IV. Energy economy and heat retention</b>                                                  |                                                                                       |                    |                     |               |   |
| <b>1 Appliance's thermal output and energy efficiency at nominal heat output:</b>             |                                                                                       |                    |                     |               |   |
| 1.1                                                                                           | Space heat output                                                                     | kW                 | item 4.7.1          | 7,4           | * |
| 1.2                                                                                           | Water heat output                                                                     | kW                 | item 4.7.2          | NA            | - |
| 1.3                                                                                           | Efficiency – η                                                                        | %                  | item 4.7.3          | 78,4          | * |
| <b>2 Appliance's thermal output and energy efficiency at part load heat output:</b>           |                                                                                       |                    |                     |               |   |
| 2.1                                                                                           | Space heat output                                                                     | kW                 | item 4.7.4          | NA            | - |
| 2.2                                                                                           | Water heat output                                                                     | kW                 | item 4.7.5          | NA            | - |
| 2.3                                                                                           | Efficiency – η                                                                        | %                  | item 4.7.6          | NA            | - |
| <b>3 Space heating efficiency:</b>                                                            |                                                                                       |                    |                     |               |   |
| 3.1                                                                                           | Seasonal space heating efficiency at appliance's nominal heat output – η <sub>s</sub> | %                  | item 4.7.7, Table 6 | 68,4          | * |
| 3.2                                                                                           | Energy efficiency                                                                     | Index (EEI)        | item 4.7.8, Table 7 | 104           | * |
|                                                                                               |                                                                                       | Class              |                     | A             | * |
| 3.3                                                                                           | Electric power consumption at appliance's nominal heat output, if existing            | kW                 | item 4.7.9          | NA            | - |
| 3.4                                                                                           | Electric power consumption at appliance's part load heat output, if existing          | kW                 | item 4.7.10         | NA            | - |
| 3.5                                                                                           | Standby mode power consumption, if existing                                           | kW                 | item 4.7.11         | NA            | - |
| <b>V. Sustainable use of natural resources</b>                                                |                                                                                       |                    |                     |               |   |
| 1                                                                                             | Environmental sustainability                                                          | -                  | item 4.8            | Not evaluated | - |



## ASSESSMENT OF PERFORMANCE REPORT



№ 1879-AoP-HD-0010 / 06.10.2025

- 1) Without thermal insulators.
- 2) Thermal insulators with a thickness of 50 mm are installed on both sides of the cooker.

**\*) Basis for the assessment of performance:**

1. Test report NB 1879-K-16-2025 / 08.07.2025.
2. Test report A-1879-ITT-0005 / 18.09.2025.
3. Historical data validation protocol number V-HD-0010 / 06.10.2025.
4. A journal of testing and data calculation tables.
5. Technical documentation (drawings, manual).

This Assessment of Performance Report has been drawn up in accordance with the GNB Position Paper NB-CPR 23/936 "Reporting the results of Assessments of Performance in AVCP system 3", NB-CPR 19/792r5 "Use of Historical Assessment Data", and NB-CPR/SG03-WG2-25/11 "Guidance for a temporarily simplified transition of historical data", and covers only the above-mentioned essential characteristic(s) in accordance with Annex ZA of the assigned part of the standard EN 16510-2-xxx.

The data shown is based on the above-mentioned historical test report.

The manufacturer is responsible for the Declaration of Performance of the product and can declare the performance of other essential characteristics than those mentioned above.

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).

The application of document NB-CPR/SG03-WG2-25/11 and therefore the validity of this report are limited to 09.11.2027.

The document compiled by: .....  
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The document approved by .....  
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