

KONTROL 94 Ltd.

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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

№ 2718.1/2017



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: Mini-B

Description: An appliance with intermittent burning 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: "Prometey" Ltd., 33 "Trapezitsa" Str., 7700 Targovishte, Bulgaria

Manufacturer: "Prometey" Ltd., 33 "Trapezitsa" Str., 7700 Targovishte, Bulgaria

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 13240:2006 "Residential solid fuel burning appliances - Part 2-1: Roomheaters";

under AVCP system 3 and Annex ZA tab. ZA.1, EN 13240:2006 with regard to the essential characteristics listed below:

| Essential characteristic | | | | | |
|--------------------------|---|------|--|--------------------------------------|---|
| № | Description | Unit | Method / criterion for assessment according to EN 13240:2006 | Performance (fuel – beech wood logs) | Basis for the assessment of performance |
| 1 | 2 | 3 | 4 | 5 | 6 |
| I. | Mechanical resistance and stability | | | | |
| 1 | Load bearing capacity | kg | item 4.1 | 20 | declared by the manufacturer |
| II. | Safety in case of fire | | | | |
| 1 | Protection of combustible materials: | | item 4.2 | | |
| 1.1 | ♦ minimum distance to combustible materials – side (d_s) | mm | | 700 | * |
| 1.2 | ♦ minimum distance to combustible materials – side radiation area (d_L) | mm | | 700 | * |
| 1.3 | ♦ minimum distance to combustible materials – rear (d_R) | mm | | 500 | * |
| 1.4 | ♦ minimum distance to combustible materials – front (d_P) | mm | | 600 | * |
| 1.5 | ♦ minimum distance to combustible materials – bottom (d_B) | mm | | 185 | * |
| 1.6 | ♦ minimum distance to combustible materials – floor in front (d_F) | mm | | 500 | * |
| 1.7 | ♦ minimum distance to combustible materials – ceiling (d_C) | mm | | 850 | * |



Testing laboratory at „Kontrol 94” Ltd.

TEST REPORT FOR INITIAL TYPE TESTING

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9.8 Results of calculation of seasonal space heating energy efficiency and seasonal space heating emissions according to item 6.4.2, item 6.3.2, item 6.3.3 (Annex D), item 6.3.4 (Annex E), item 6.3.5 (Annex F) of EN 13240:2006 and Regulation (EU) 2015/1185

Specific ecodesign requirements for solid fuel local space heaters:

| Emissions | Unit | Limits according EN 13240:2006 | Average data | O ₂ emission | Fuel |
|---|------|--------------------------------|--------------|-------------------------|-----------------|
| The mean value of carbon monoxide emission (CO) | % | item 4.3, Table 2 ≤ 1500 | 0.2948 | | Beech wood logs |
| The mean value of nitrogen oxides emissions (NO _x) | % | item 4.4, Table 3 ≤ 200 | | | |
| The mean value of emission of organic gaseous carbon (OGC) | % | item 4.5, Table 4 ≤ 120 | | | |
| The mean value of particulate matter (PM) emissions in the flue gas | % | item 4.6, Table 5 ≤ 40 | | | |
| Seasonal energy efficiency – η _s | % | item 4.8.7, Table 6 ≥ 65 | 66.96 | | |



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9.9 Results of calculation energy efficiency index (EEI)
and determining energy efficiency class, according to item 6.4.3, item 6.4.4 of
EN 13240:2006 and Delegated Regulation (EU) 2015/1186

| Indicators | | Unit | Requirements according EN 13240:2006 | Results |
|---|--------------------------|------|--------------------------------------|----------|
| Name of appliance: Mini B | | | | |
| Fuel | | | Beech wood logs | |
| Heat output | nominal | kW | | 4.16 |
| | space | kW | | 4.16 |
| | water | kW | | - |
| Efficiency - η | at nominal heat output | % | | 66.96 |
| | at part load heat output | % | | - |
| Electric power | at nominal heat output | kW | item 4.8.9 | - |
| | at part load heat output | kW | item 4.8.10 | - |
| | in standby mode | kW | item 4.8.11 | - |
| Consumption of a permanent ignition flame | | kW | | - |
| The energy efficiency index (EEI) | | % | item 4.8.8, | - |
| Energy efficiency class | | | Table 7 | B |