

DECLARATION OF PERFORMANCE - CPR 2011 (retained EU law EUR 305/2011) as amended



**Manufacturer:** Arada Ltd, The Fireworks, Weycroft Avenue, Axminster, Devon, United Kingdom EX13 5HU

**Range Designation:** Ecoburn

**Intended Use:** Free Standing Domestic Heating Appliance

**Independent Performance and Safety tested:** UKCA - Kiwa Gastec, Approved Body No. 0558

CE - Kiwa Cermet Italia S.p.A, Notified Body No. 0476

**Constancy of Performance System AVCP:** System 3

| Model                                                                         | Ecoburn 5 (S3)           | Ecoburn 5 Widescreen (S3) | Ecoburn 7 (S3)           |
|-------------------------------------------------------------------------------|--------------------------|---------------------------|--------------------------|
| Approximate Output Range: (kW)                                                | 1.5 - 7                  | 1.5 - 7                   | 1.5 - 10                 |
| Harmonised EN European Standard (hEN):                                        | EN13240: 2001 Amd 2:2004 | EN13240: 2001 Amd 2:2004  | EN13240: 2001 Amd 2:2004 |
| Additional Characteristics Test Standard:                                     | DIN +                    | DIN +                     | DIN +                    |
| Additional Particulate Emission Test Standard:                                | PD6434                   | PD6434                    | PD6434                   |
| Test Report reference:                                                        | 61133                    | 61136-1                   | 61136-2                  |
| <b>Performance Characteristics on Wood Fuel</b>                               |                          |                           |                          |
| Total Efficiency: (%)                                                         | 79.8                     | 81.3                      | 78.2                     |
| Declared nominal output: (kW)                                                 | 4.9                      | 4.9                       | 7                        |
| Tested nominal Output: (kW)                                                   | 4.9                      | 4.9                       | 7.1                      |
| Flue gas mass flow: (g/s)                                                     | 4.7                      | 4.1                       | 5.6                      |
| Mean CO emission (@13% O2) : (%)                                              | 0.11                     | 0.1                       | 0.09                     |
| Mean OGC emission (@13% O2): (Nmg/m3)                                         | 86                       | 68                        | 72                       |
| Mean NOx emission (@13% O2): (Nmg/m3)                                         | 95                       | 82                        | 102                      |
| DIN+ particulates (@13% O2): (Nmg/m3)                                         | 27                       | 22                        | 38                       |
| PD6434 Particulate Emissions High output: (gh-1)                              | 2.7                      | 2.1                       | 4.9                      |
| PD6434 Particulate Emissions Low output: (gh-1)                               | 2                        | 1.1                       | 2.8                      |
| Mean Flue Temperature: (Deg C)                                                | 255                      | 257                       | 310                      |
| Underhearth Temperature: (Deg C)                                              | 51.2                     | 46.4                      | 95                       |
| Approximate Max Log Length: (mm)                                              | 300                      | 375                       | 375                      |
| <b>Performance Characteristics on Maxibrite Briquetted Smokeless Fuel</b>     |                          |                           |                          |
| Total Efficiency: (%):                                                        | 82.3                     | 79.3                      | 81.2                     |
| Declared nominal output: (kW)                                                 | 4.9                      | 4.9                       | 7                        |
| Tested nominal output: (kW)                                                   | 4.9                      | 4.9                       | 7.1                      |
| Flue gas mass flow: (g/s)                                                     | 3.5                      | 4.2                       | 5.6                      |
| Mean CO emission (@13% O2) : (%)                                              | 0.1                      | 0.09                      | 0.11                     |
| Mean OGC emission (@13% O2): (Nmg/m3)                                         | 26                       | 19                        | 39                       |
| Mean NOx emission (@13% O2): (Nmg/m3)                                         | 94                       | 102                       | 116                      |
| DIN+ particulates (@13% O2): (Nmg/m3)                                         | 10                       | 9                         | 10                       |
| Mean Flue Temperature: (Deg C)                                                | 254                      | 281                       | 271                      |
| Underhearth Temperature: (Deg C)                                              | 51.2                     | 46.4                      | 95                       |
| <b>Safet Distances From Combustibles (standard flue connection)</b>           |                          |                           |                          |
| Side Wall: (mm)                                                               | 550                      | 450                       | 600                      |
| Rear Wall: (mm)                                                               | 700                      | 650                       | 650                      |
| <b>Safety Distances From Combustibles (Schiedel Twin wall Insulated Flue)</b> |                          |                           |                          |
| Side Wall: (mm)                                                               | 500                      | 250                       | 500                      |
| Rear Wall: (mm)                                                               | 75                       | 50                        | 100                      |

The performance of the product identified above is in conformity with the set of declared performance.

This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011 as it has effect in the United Kingdom in respect of Great Britain, under sole responsibility of the manufacturer identified above.

**Signed On Behalf Of Manufacturer:**

**18 February 2025**

  
J. Stantiford