



DECLARATION OF PERFORMANCE

Manufacturer: Arada Ltd

Range Designation: Chelsea Solo & Chelsea Duo Stoves

Intended Use: Domestic heating appliance

Independent Performance and Safety tested by: Kiwa Gastec, Notified Body No: 0558

Constasy of Performance System: ISO9001

| Model | CHELSEASOLOM-S4 | CHELSEADUOM-S4 |
|---|-------------------------------|-------------------------------|
| Approximate Output Range: (kW) | 1 - 6.5 | 1 - 6.5 |
| Harmonised EN European Standard (hEN): | BS EN 13240:2001 + Amd 2:2004 | BS EN 13240:2001 + Amd 2:2004 |
| Additional Characteristics Test Standard: | | |
| Additional Particulate Emission Test Standard: | | |
| Test Report reference: | 8694 | 8694 |
| Performance Characteristics on Wood Fuel | | |
| Total Efficiency: (%) | 71.7 | 71.7 |
| Declared nominal output: (kW) | 4.9 | 4.9 |
| Tested nominal Output: (kW) | 5.1 | 5.1 |
| Flue gas mass flow: (g/s) | 5.3 | 5.3 |
| Mean CO emission (@13% O2) : (%) | 0.35 | 0.35 |
| Mean OGC emission (@13% O2): (Nmg/m3) | | |
| Mean NOx emission (@13% O2): (Nmg/m3) | | |
| DIN+ particulates (@13% O2): (Nmg/m3) | | |
| PD6434 Particulate Emissions High output: (gh-1) | | |
| PD6434 Particulate Emissions Low output: (gh-1) | | |
| Mean Flue Temperature: (Deg C) | 341 | 241 |
| Underhearth Temperature: (Deg C) | 51.2 | 51.2 |
| Approximate Max Log Length: (mm) | 325 | 325 |
| Performance Characteristics on Ancit Briquetted Smokeless Fuel | | |
| Total Efficiency: (%): | | |
| Declared nominal output: (kW) | | |
| Tested nominal output: (kW) | | |
| Flue gas mass flow: (g/s) | | |
| Mean CO emission (@13% O2) : (%) | | |
| Mean OGC emission (@13% O2): (Nmg/m3) | | |
| Mean NOx emission (@13% O2): (Nmg/m3) | | |
| DIN+ particulates (@13% O2): (Nmg/m3) | | |
| Mean Flue Temperature: (Deg C) | | |
| Underhearth Temperature: (Deg C) | | |
| Safety Distances From Combustibles (standard flue connection) | | |
| Side Wall: (mm) | 500 | 500 |
| Rear Wall: (mm) | 700 | 700 |
| Safety Distances From Combustibles (twin wall flue connection) | | |
| Side Wall: (mm) | | |
| Rear Wall: (mm) | | |

Signed

Chris Linwood
Technical Director