

# DECLARATION OF PERFORMANCE - Regulation (EU) 305/2011



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

**Range Designation:** I Series Cassette Stoves (G2)

**Intended Use:** Inset Domestic Heating Appliance

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

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

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

Model	i400-G2	i500-G2	i600-G2	i750-G2
Approximate Output Range: (kW)	2 - 8	2 - 9	2 - 11	2.5 - 12
Harmonised EN European Standard (hEN):	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004
Additional Characteristics Test Standard:	N/A	N/A	N/A	N/A
Additional Particulate Emission Test Standard:	PD6434	PD6434	PD6434	PD6434
Test Report reference:	60182-3	60226-1	60226-3	60226-2
<b>Performance Characteristics on Wood Fuel</b>				
Total Efficiency: (%)	77.1	74.4	74.4	78.7
Declared nominal output: (kW)	4.9	6.4	7.5	8.9
Tested nominal Output: (kW)	6.1	6.4	7.5	8.9
Flue gas mass flow: (g/s)	4.6	5.4	5.9	5.9
Mean CO emission (@13% O2) : (%)	0.19	0.14	0.27	0.27
Mean OGC emission (@13% O2): (Nmg/m3)	N/A	N/A	N/A	N/A
Mean NOx emission (@13% O2): (Nmg/m3)	N/A	N/A	N/A	N/A
DIN+ particulates (@13% O2): (Nmg/m3)	N/A	N/A	N/A	N/A
PD6434 Particulate Emissions High output: (gh-1)	2.8	3.6	3.3	3.6
PD6434 Particulate Emissions Low output: (gh-1)	1.7	2.6	2.9	4
Mean Flue Temperature: (Deg C)	329	357	357	331
Underhearth Temperature: (Deg C)	119.1	77.8	77.8	89.9
Approximate Max Log Length: (mm)	255	350	480	600
<b>Safety Distances from Combustibles (standard flue connection)</b>				
Side Wall: (mm)	220	150	150	150
Rear Wall: (mm)	N/A	N/A	N/A	N/A
Shelf Distance Above Stove: (mm)	700	550	600	600

Signed

C. Tribble

17 February 2021