

DECLARATION OF PERFORMANCE - Regulation (EU) 305/2011



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

Trade Mark Brand: Hamlet

Range Designation: Solution S5 Freestanding Stoves

Intended Use: Free Standing 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 (Manufacturers Product Code)	SOL4-S5	SOL5 Compact-S5	SOL5-S5	SOL5 Widescreen-S5	SOL7-S5
Approximate Output Range: (kW)	1 - 5	1 - 6	1.5 - 6.5	1.5 - 7	2 - 9
Harmonised EN European Standard (hEN):	BS EN 13240:2001 + Amd 2:2004	BS EN 13240:2001 + Amd 2:2004	BS EN 13240:2001 + Amd 2:2004	BS EN 13240:2001 + Amd 2:2004	BS EN 13240:2001 + Amd 2:2004
Additional Characteristics Test Standard:	DIN+	DIN+	DIN+	DIN+	DIN+
Additional Particulate Emission Test Standard:	PD6434	PD6434	PD6434	PD6434	PD6434
Test Report reference:	61276-6	61276-3	61210	61276-1	61276-2
Performance Characteristics on Wood Fuel					
Total Efficiency: (%)	83.1	81	80.6	82.5	77.9
Declared nominal output: (kW)	4.5	5	5	5	7
Tested nominal Output: (kW)	4.6	4.8	4.9	5	7
Flue gas mass flow: (g/s)	3.7	3.9	4	4	6.2
Mean CO emission (@13% O2) : (%)	0.1	0.12	0.09	0.12	0.12
Mean OGC emission (@13% O2): (Nmg/m3)	91	79	67	113	107
Mean NOx emission (@13% O2): (Nmg/m3)	113	60	104	84	109
DIN+ particulates (@13% O2): (Nmg/m3)	28	11	22	13	18
PD6434 Particulate Emissions High output: (gh-1)	3.3	2.6	3	2.3	1.8
PD6434 Particulate Emissions Low output: (gh-1)	1.6	1.6	1.2	1.1	1.2
Mean Flue Temperature: (Deg C)	232	259	265	240	291
Underhearth Temperature: (Deg C)	92	98	53	94	53
Approximate Max Log Length: (mm)	200	200	300	330	330
Performance Characteristics on Maxibrite Briquetted Smokeless Fuel					
Total Efficiency: (%):	75.5	79.9	79.7	79.4	81.5
Declared nominal output: (kW)	4.5	5	5	5	7
Tested nominal output: (kW)	4.4	4.8	4.9	5	7.1
Flue gas mass flow: (g/s)	3.8	3.5	3.8	3.3	4.3
Mean CO emission (@13% O2) : (%)	0.11	0.08	0.11	0.05	0.06
Mean OGC emission (@13% O2): (Nmg/m3)	45	56	44	30	42
Mean NOx emission (@13% O2): (Nmg/m3)	150	101	132	121	120
DIN+ particulates (@13% O2): (Nmg/m3)	16	18	33	25	24
Mean Flue Temperature: (Deg C)	300	285	275	291	326
Underhearth Temperature: (Deg C)	92	98	53	94	53
Safety Distances from Combustibles (standard flue connection)					
Side Wall: (mm)	650	700	550	550	650
Rear Wall: (mm)	650	700	750	900	650
Safety Distances from Combustibles (twin wall flue connection)					
Side Wall: (mm)	650	700	550	500	650
Rear Wall: (mm)	225	250	350	350	350

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 the sole responsibility of the manufacturer identified above.

Signed On Behalf Of The Manufacturer:

J. Staniford

04 February 2026