DECLARATION OF PERFORMANCE - Regulation (EU) 305/2011

ARADA
DEVON

Manufacturer: Arada Ltd, The Fireworks, Weycroft Avenue, Axminster, Devon, United Kingdom EX13 5HU
Range Designation: Farringdon (G2)
Intended Use: Free Standing Domestic Heating Appliance
Independent Performance and Safety tested by: **UKCA** - Kiwa Gastec, Notified Body No: 0558
CE - Kiwa Cermet Italia S.p.A, Notified Body 0476 / SGS Netherland B.V., Notified Body No: 0608
Constancy of Performance System AVCP: System 3

Model	**FARRINGDON SMALL ECO**	**FARRINGDON MEDIUM ECO**	**FARRINGDON LARGE ECO**	**FARRINGDON CATALYST ECO**
Approximate Output Range: (kW)	1.5 - 7	1.5 - 10	3 - 12	3 - 16
Harmonised EN European Standard (hEN):	EN13240: 2001 Amd 2:2004	EN13240: 2001 Amd 2:2004	EN13240: 2001 Amd 2:2004	EN13240: 2001 Amd 2:2004
Additional Characteristics Test Standard:	DIN +	DIN +	DIN +	DIN +
Additional Particulate Emission Test Standard:	PD6434	PD6434	PD6434	PD6434
Test Report reference:	60938	60978	60979	EZKA/2017-04/00007-1
Performance Characteristics on Wood Fuel				
Total Efficiency: (%)	77.8	76.1	77.0	82.4
Declared nominal output: (kW)	4.9	8.2	10.6	11.4
Tested nominal Output: (kW)	4.9	8.2	10.6	11.4
Flue gas mass flow: (g/s)	5.1	8	8.5	7.5
Mean CO emission (@13% O2) : (%)	0.11	0.06	0.08	0.07
Mean OGC emission (@13% O2): (Nmg/m3)	92	40	63	91
Mean NOx emission (@13% O2): (Nmg/m3)	79	97	75	92
DIN+ particulates (@13% O2): (Nmg/m3)	13	27	13	24
PD6434 Particulate Emissions High output: (gh-1)	2.1	3.5	4.3	2.5
PD6434 Particulate Emissions Low output: (gh-1)	1.4	1.6	2.2	1.6
Mean Flue Temperature: (Deg C)	261	293	337	279
Underhearth Temperature: (Deg C)	43	47.8	64.4	19
Approximate Max Log Length: (mm)	360	430	500	500
Performance Characteristics on Maxibrite Briquetted Smokeless Fuel				
Total Efficiency: (%):	82.4	79.8	79.8	n/a
Declared nominal output: (kW)	4.9	8.1	12.1	n/a
Tested nominal output: (kW)	4.9	8.1	12.1	n/a
Flue gas mass flow: (g/s)	3.5	5.5	7.2	n/a
Mean CO emission (@13% O2) : (%)	0.06	0.03	0.04	n/a
Mean OGC emission (@13% O2): (Nmg/m3)	5	3	6	n/a
Mean NOx emission (@13% O2): (Nmg/m3)	79	128	66	n/a
DIN+ particulates (@13% O2): (Nmg/m3)	5	7	8	n/a
Mean Flue Temperature: (Deg C)	272	340	377	n/a
Underhearth Temperature: (Deg C)	43	47.8	64.4	n/a
Safety Distances From Combustibles (standard flue connection)				
Side Wall: (mm)	500	600	500	450
Rear Wall: (mm)	350	550	600	400
Safety Distances From Combustibles (twin wall flue connection)				
Side Wall: (mm)	400	600	600	n/a
Rear Wall: (mm)	250	450	430	n/a

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

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 resposibility of the manufacturer identified above.

Signed On Behalf Of Manufacturer: ARADA DEVON J. Stantiford **18 February 2025**