



DECLARATION OF PERFORMANCE

Manufacturer: Arada Ltd
Range Designation: Ecoburn Plus freestanding Stoves
Intended Use: Domestic heating appliance

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

Constasy of Performance System: ISO9001

Model	ECB4FPLUS	ECB5FPLUS-G2B	ECB5FPLUS-WS	ECB7FPLUS	ECB9FPLUS-G2	ECB11FPLUS
Approximate Output Range: (kW)	1 - 5.5	1 - 6.5	1.5 - 9	1.5 - 9	1.5 - 9	2.4 - 14
Harmonised EN European Standard (hEN):	BS EN 13240:2001 + Amd 2:2004	BS EN 13240:2001 + Amd 2:2004	BSEN 13240:2001	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:						
Additional Particulate Emission Test Standard:						
Test Report reference:	60160-5	6178/1	59496/1	6178/2	6178/3	6178/4
Performance Characteristics on Wood Fuel						
Total Efficiency: (%)	86.3	74.7	79.3	72.1	71.6	74.7
Declared nominal output: (kW)	4.5	4.9	4.9	6.1	8.8	11
Tested nominal Output: (kW)	4.5	5.1	4.9	6.1	8.8	11
Flue gas mass flow: (g/s)	2.9	4.69	6.96	4.9	6.9	6.9
Mean CO emission (@13% O2) : (%)	0.39	0.58	0.21	0.58	0.68	0.71
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)	187	206.7	178.4	363	364	370
Underhearth Temperature: (Deg C)	66.4	51.4	62.9	58.3	63.6	62.8
Approximate Max Log Length: (mm)	240	300	380	350	380	500
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	300	300	450	500	500
Rear Wall: (mm)	700	375	300	650	750	800
Safety Distances from Combustibles (twin wall flue connection)						
Side Wall: (mm)						
Rear Wall: (mm)						

Signed

Chris Linwood
 Technical Director