



# DECLARATION OF PERFORMANCE

**Manufacturer:** Arada Ltd

**Address:** The Fireworks, Weycroft Avenue, Axminster, Devon, United Kingdom, EX13 5HU

**Range Designation:** Ecoburn S3 Balanced Flue

**Intended Use:** Domestic room heating appliance

**Independent Performance and Safety tested CE:** Intertek Itallia SpA, Notified Body No: 2575

**Independent Performance and Safety tested UKCA:** Intertek Testing & Certification Ltd, Notified Body No: 0359

**Constancy of Performance System:** Gas Appliance Regulation (EU) 2016/426

Model	ECOBURN S3 NG BF	ECOBURN S3 LPG BF
Internal Product Code :	<b>ECBGAS-M-NG-BF</b>	<b>ECBGAS-M-LPG-BF</b>
Intertek Test Report Number :	104891764LHD-001	104891764LHD-001
Harmonised EN European Standard (hEN):	BS EN613:2021*	BS EN613:2021*
Intertek Surveillance Certificate - UKCA:	UK-LHD-00000055	UK-LHD-00000055
Intertek Surveillance Certificate - CE:	ITS-2575-SRV-2233654**	ITS-2575-SRV-2233654**
<b>Performance Characteristics On Designated Fuel</b>		
Gas Type	G20 (Natural Gas)	G31 (Propane) & G30 (Butane)
Supply Pressure (Measured At Test Elbow): (mbar)	20	37 / 30
Nominal Heat Input(Qn) Gross At Maximum Rate: (kW)	5	5.5 / 5.5
Gas Consumption At Maximum Rate: (m3/h)	0.471	0.196/0.164
Nominal Heat Input(Qn) Gross At Minimum Rate: (kW)	3	2.7/2.7
Gas Consumption At Minimum Rate: (m3/h)	0.278	0.074/0.093
Efficiency Class 1	1	1
NOX: (mg/kWh)	76	81
Energy Efficiency At Maximum Rate: (Nett %)	C	C
Flue System Types:	C11 / C31 / C91	C11 / C31 / C91
<b>Safety Distances (standard flue connection)</b>		
Combustible Material Minimum Distance Side Wall: (mm)	300	300
Combustible Material Minimum Distance Rear Wall: (mm)	300	300
Combustible Material Minimum Distance Top Shelf: (mm)	280	280
Non Combustible Material Minimum Distance Side Wall: (mm)	50	50
Non Combustible Material Minimum Distance Rear Wall: (mm)	50	50
Non Combustible Material Minimum Distance Top Shelf: (mm)	50	50
Surface Temperature	PASS	PASS
Electrical Safety	PASS	PASS
Cleanability (Sooting)	PASS	PASS
Ignition Cross Lighting	PASS	PASS

NOTE: \* Originally tested on BS EN613:2001 +A1:2008, now superseded by EN613:2021

NOTE: \*\*CE valid upto 01/11/2022

Signed

Charlie Tribble  
R&D Manager  
Nov-22



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Model	ECOBURN S3 NG CF	ECOBURN S3 LPG CF
Internal Product Code :	<b>ECBGAS-M-NG-S3</b>	<b>ECBGAS-M-LPG-S3</b>
Intertek Test Report Number :	103998742LHD-001	103998742LHD-001
Harmonised EN European Standard (hEN):	BS EN613:2021*	BS EN613:2021*
Intertek Surveillance Certificate - UKCA:	UK-LHD-00000055	UK-LHD-00000055
Intertek Surveillance Certificate - CE:	ITS-2575-SRV-2233654**	ITS-2575-SRV-2233654**
<b>Performance Characteristics On Designated Fuel</b>		
Gas Type	G20 (Natural Gas)	G31 (Propane) & G30 (Butane)
Supply Pressure (Measured At Test Elbow): (mbar)	20	37 / 29
Nominal Heat Input(Qn) Gross At Maximum Rate: (kW)	5	4.4/4.5
Gas Consumption At Maximum Rate: (m3/h)	0.47	0.157/0.121
Nominal Heat Input(Qn) Gross At Minimum Rate: (kW)	2.3	1.8/2.7
Gas Consumption At Minimum Rate: (m3/h)	0.23	0.061/0.074
Efficiency Class 1	1	1
NOX: (mg/kWH)	95	97/98
Energy Efficiency At Maximum Rate: (Nett %)	B	C
<b>Safety Distances (standard flue connection)</b>		
Combustible Material Minimum Distance Side Wall: (mm)	300	300
Combustible Material Minimum Distance Rear Wall: (mm)	300	300
Combustible Material Minimum Distance Top Shelf: (mm)	300	300
Non Combustible Material Minimum Distance Side Wall: (mm)	100	100
Non Combustible Material Minimum Distance Rear Wall: (mm)	50	50
Non Combustible Material Minimum Distance Top Shelf: (mm)	100	100
Surface Temperature	PASS	PASS
Electrical Safety	PASS	PASS
Cleanability (Sooting)	PASS	PASS
Ignition Cross Lighting	PASS	PASS

NOTE: \*Originally tested on BS EN613:2001+A1:2008, now superseded by EN613:2021

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