

DECLARATION OF PERFORMANCE - CPR 2011 (retained EU law EUR 305/2011) as amended



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

Range Designation: M-Series (Steel, Cast & Glass)

Intended Use: Free Standing Domestic Heating Appliance

Independent Performance and Safety tested: UKCA - Kiwa Gastec, Approved Body No. 0558

Constancy of Performance System AVCP: System 3

Model	M-Series 5kW	M-Series 5kW WIDE SCREEN	M-Series 7kW
Internal Product Code :	MSTEEL-5, MCAST-5,MGLASS-5	MSTEEL-5WS, MCAST-5WS, MGLASS-5WS	MSTEEL-7, MCAST-7,MGLASS-7
Approximate Output Range: (kW)	1.5-7	1.5-7	1.5-10
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
Additional Characteristics Test Standard:	DIN+	DIN+	DIN+
Additional Particulate Emission Test Standard:	PD6434	PD6434	PD6434
Test Report reference:	61133 (PVA +1)	61136-1 (PVA +1)	61136-2 (PVA +1)
Performance Characteristics on Wood Fuel			
Total Efficiency: (%)	79.8	81.3	78.2
Declared nominal output: (kW)	4.9	4.9	7
Tested nominal Output: (kW)	4.9	4.9	7.1
Flue gas mass flow: (g/s)	4.7	4.1	5.6
Mean CO emission (@13% O2) : (%)	0.11	0.1	0.09
Mean OGC emission (@13% O2): (Nmg/m3)	86	68	72
Mean NOx emission (@13% O2): (Nmg/m3)	95	82	102
DIN+ particulates (@13% O2): (Nmg/m3)	27	22	38
PD6434 Particulate Emissions High output: (gh-1)	2.7	2.1	4.9
PD6434 Particulate Emissions Low output: (gh-1)	2	1.1	2.8
Mean Flue Temperature: (Deg C)	255	257	310
Underhearth Temperature: (Deg C)	51.2	99	95
Approximate Max Log Length: (mm)	300	375	375
Safety Distances from Combustibles (Standard Flue Connection)			
Side Wall: (mm)	350	350	475
Back Wall: (mm)	500	650	700
Safety Distances from Combustibles (Standard Flue Connection & Heat Shield)			
Side Wall: (mm)	350	400	475
Back Wall: (mm)	250	350	250
Safety Distances from Combustibles (Twin Wall Flue Connection & Heat Shield)			
Side Wall: (mm)	350	350	400
Back Wall: (mm)	50	150	100

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:

ARADA
DEVON

J. Stantiford

18 February 2025