

DECLARATION OF PERFORMANCE - Regulation (EU) 305/2011



Manufacturer: Arada Ltd

Range Designation: M-Series

Intended Use: Free Standing Domestic Heating Appliance

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

Constancy of Performance System AVCP: System 3

Model	M-Series 5kW WIDE SCREEN
Internal Product Code :	MSTEEL-5WS, MCAST-5WS, MGLASS-5WS
Approximate Output Range: (kW)	1.5-7
Harmonised EN European Standard (hEN):	BS EN 13240:2001 Amd 2:2004
Additional Characteristics Test Standard:	DIN+
Additional Particulate Emission Test Standard:	PD6434
Test Report reference:	61136-1 (PVA +1)
Performance Characteristics on Wood Fuel	
Total Efficiency: (%)	81.3
Declared nominal output: (kW)	4.9
Tested nominal Output: (kW)	4.9
Flue gas mass flow: (g/s)	4.1
Mean CO emission (@13% O ₂) : (%)	0.1
Mean OGC emission (@13% O ₂): (Nmg/m ³)	68
Mean NOx emission (@13% O ₂): (Nmg/m ³)	82
DIN+ particulates (@13% O ₂): (Nmg/m ³)	22
PD6434 Particulate Emissions High output: (gh-1)	7
PD6434 Particulate Emissions Low output: (gh-1)	6.3
Mean Flue Temperature: (Deg C)	257
Underhearth Temperature: (Deg C)	99
Approximate Max Log Length: (mm)	375
Safety Distances from Combustibles (Standard Flue Connection)	
Side Wall: (mm)	350
Back Wall: (mm)	650
Safety Distances from Combustibles (Standard Flue Connection & Heat Shield)	
Side Wall: (mm)	400
Back Wall: (mm)	350
Safety Distances from Combustibles (Twin Wall Flue Connection & Heat Shield)	
Side Wall: (mm)	350
Back Wall: (mm)	150

Signed On Behalf Of The Manufacturer:

C. Tribble
24 January 2022