DECLARATION OF PERFORMANCE

charnwood

pursuant to Annex III of Regulation (EU) No. 305/2011
No. AG200 - CPR - 2025 Rev A

1. Unique identification code of the product type: Aire 500 Store Stand, Roomheaters for solid fuel

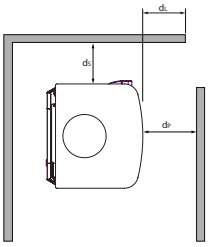
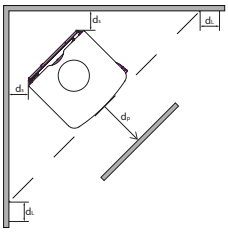
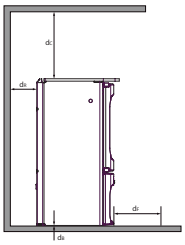
2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Space Heating in Residential Buildings (without water heating)

3. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5):
Charnwood, A.J.Wells & Sons Ltd, Bishops Way, Newport, Isle of Wight, PO30 5WS, UK, Phone +44 (0) 1983 537770

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): – N/A

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: 3

6. The RRF notified test laboratory, identification number 1625, performed the initial test and inspection under System 3 and documented it in test report 1021 24 1580, 1021 24 2046

Harmonised technical specification	**EN16510-1:2022 EN16510-2-1**	
Essential characteristics		
Mechanical strength and stability		
Chimney Load Capacity	120 kg	
Fire protection		
Protection of flammable materials; minimum distance to combustibles Distance under the fireplace d_B Distance from the floor to the front d_F Distance to ceiling d_C Distance to rear wall d_R Distance to side wall d_S Distance to the side wall in the radiation area d_L Minimum distance to neighbouring flammable materials (e.g. furniture) d_P Material type and material thickness of the thermal insulation s NPD - No Performance Determined	 Configuration 1  Configuration 2  Side view	

	1	2	3
safety test configuration	1	1	2
dB (mm)	0	0	0
dF (mm)	0	400	400
dC (mm)	750	750	750
dR (mm)	250	150	NPD
dS (mm)	350	350	190
dL (mm)	0	0	0
dP (mm)	1000	900	900
s	0|0|0|0	0|0|0|0	0|0|0|0
Insulated flue	X	✓	✓
Heatshield (optional)	X	X	X

Hygiene, health and environmental protection		
Emissions (Threshold values) Carbon monoxide emission (CO) Nitrogen emission (NO_X) Emission of organic gaseous carbon (OGC) Dust emissions (PM)		

	At nominal heat output	**With partial load heat output**
CO	1500	NPD
NO_X	200	NPD
OGC	120	NPD
PM	40	NPD

Safety and accessibility during use		
Data for installation on a chimney Flue gas outlet temp. T_{snom} Minimum flue draught P_{nom} Flue gas mass flow rate ϕ_{fnom}		

Fuel 1	**At nominal heat output**	**With partial load heat output**
T_{snom}	211	190
P_{nom}	12	9
ϕ_{fnom}	4.8	4.9

Fuel 2	**At nominal heat output**
T_{snom}	NPD
P_{nom}	NPD
ϕ_{fnom}	NPD

Data for installation on a chimney with regard to fire safety		
Fire safety for installation on the chimney	T400 - G	
Energy saving and thermal insulation		
Heat output and energy efficiency of the appliance Room heating output P_{SHnom} Water heat output P_{Nnom} Efficiency η_{nom}		

Fuel 1	**At nominal heat output**	**With partial load heat output**
P_{SHnom}	5	4.2
P_{Nnom}	NPD	NPD
η_{nom}	87	84

Fuel 2	**At nominal heat output**
P_{SHnom}	NPD
P_{Nnom}	NPD
η_{nom}	NPD

Room heating efficiency		
Seasonal space heating energy efficiency (at nominal heat output)	77	
Energy efficiency (EEI)	116	
Energy efficiency class	A+	
Power consumption at nominal heat output el_{max}	0.004	
Power consumption at partial load heat output	0.003	
Power consumption in standby mode el_{SB}	0.003	
Sustainable use of natural resources		
Ecological sustainability	NPD	

8. The performance of the above-mentioned product corresponds to the declared performance(s).

Only the manufacturer named above is responsible for generating the declaration of performance in accordance with EU regulation No. 305/2011.

Signed for and on behalf of the manufacturer by:

Paul Wells, Technical Director, Newport, Isle of Wight, 5.11.2025