DECLARATION OF PERFORMANCE

charnwood

pursuant to Annex III of Regulation (EU) No. 305/2011
No. BT200 - CPR - 2025 Rev A

1. Unique identification code of the product type: Bay VL Insert, 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)

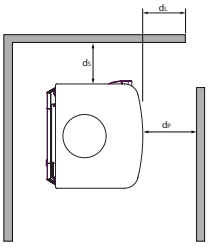
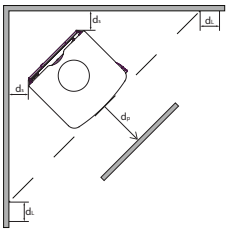
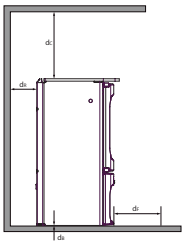
3. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5):
Charnwood, A.J.Wells & Sons Ltd, Bishops Way, Newport, Isle of Wight, PO30 5WS, UK, Phone +44 (0) 1983 537770

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 29 13 3439-2

7. Declared performance:

Harmonised technical specification	**EN16510-1:2022 EN16510-2-2**	
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	NPD	NPD
dB (mm)	0	NPD	NPD
dF (mm)	1500	NPD	NPD
dC (mm)	750	NPD	NPD
dR (mm)	100	NPD	NPD
dS (mm)	100	NPD	NPD
dL (mm)	1500	NPD	NPD
dP (mm)	900	NPD	NPD
s	80|80|0|0	NPD	NPD
Insulated flue	X	NPD	NPD
Heatshield (optional)	X	NPD	NPD

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}	334	NPD
P_{nom}	12	NPD
ϕ_{fnom}	4.1	NPD

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}	5.1	NPD
P_{Nnom}	NPD	NPD
η_{nom}	81	NPD

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)	71	
Energy efficiency (EEI)	107	
Energy efficiency class	A+	
Power consumption at nominal heat output el_{max}	NPD	
Power consumption at partial load heat output	NPD	
Power consumption in standby mode el_{SB}	NPD	
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