

Declaration of Performance (DOP)	
No.	158
Product type:	Cassette Stove
Identification	Firewarm 6 (V3) / Firewarm 9 (V3) / Firewarm 11 (V3)
Intended use of the product	Heat distribution / Room heating without hot water supply
Manufacture:	Heat Design, Unit 60, Hawthorn Road, Western Industrial Estate, Dublin 12. D12 E2WF
	
System 3: Assessment and verification of constancy of performance	ISO 9001
Certified by: SGS Notified body No. 0608	Test Reports no. EZKA/2021-11/00032-1 EZKA/2022-02/00014-1 EZKA/2022-02/00014-3
Declared performance:	
Harmonized technical specification	EN 13229:2001 + EN 13229-A2:2004
Essential characteristics	Performance
Fire Safety	Pass
Reaction to fire	A1
Distance to combustibles materials	Firewarm 6: Back 200mm / Sides 200mm / Floor 500mm Firewarm 9 Back 200mm / Sides 200mm / Floor 500mm Firewarm 11 Back 300mm / Sides 200mm / Floor All 700mm ALL MODELS Front of appliance 1300mm / Shelf 700mm
Risk of fuel failling out	Pass
Surface Temperature	Pass
Electrical safety	N/A
Cleanability	Pass
Maximum water operating pressure	N/A
Flue gas Temperature at nominal heat output	Firewarm 6 - 262°C / Firewarm 9 - 297°C / Firewarm 11 - 270°C
Mechanical resistance (to carry a chimney flue)	Pass
Emission of combustion products	Firewarm 6: CO@13% O ₂ = 0.06 / NO _x = 103mg/N _o ³ / CxHy = 15 mgC/N _o ³ / Dust = 22 mg/N _o ³ Firewarm 9: CO@13% O ₂ = 0.05 / NO _x = 103 mg/m _o ³ / CxHy = 40 mgC/m _o ³ / Dust = 23 mg/M _o ³ Firewarm 11: CO@13% O ₂ = 0.06 / NO _x = 112 mg/m _o ³ / CxHy = 43 mgC/m _o ³ / Dust = 17 mg/m _o ³
Thermal Output	
Nominal heat output (Wood)	Firewarm 6 = 5Kw / Firewarm 9 = 8.8 Kw / Firwarm 11 = 11.1 Kw
Water Heating output	N/A
Energy efficiency %	Firewarm 6 = 82.3 / Firewarm 9 = 81.7 / Firewarm 11 = 83.6

Signed



Eoin O Connor / Director / Sept 2022