

Technical Specification & Warranty

BS EN 13240:2001 + A2:2004 — room heater fired by solid fuel



Flint stove — front view. Door handle on the left; hinges on the right.

MODEL REFERENCE

The Flint range

Consumer name	Model code	Nominal output	Format
Flint 5	Z2001	5.0 kW	Compact
Flint 5 Wide	Z2101	5.0 kW	Wide body
Flint 8	Z2201	8.0 kW	Wide body / higher output

REGULATORY — SMOKE CONTROL AREAS

Flint model	Factory-set minimum opening
Flint 5	7 mm
Flint 5 Wide	8 mm
Flint 8	9 mm

The Flint range has been recommended as suitable for use in smoke control areas when burning wood logs with a moisture content of 20% or less. The Flint range must be fitted with a permanent stop preventing closure of the secondary and tertiary air intake.

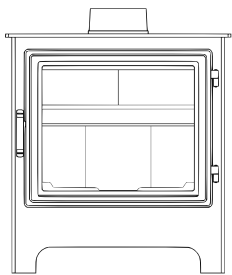
TECHNICAL INFORMATION

Appliance	Flint 5 (Z2001)	Flint 5 Wide (Z2101)	Flint 8 (Z2201)
Test standard	BS EN 13240:2001 + A2:2004 — room heater fired by solid fuel		
Fuel type	Seasoned wood	Seasoned wood	Seasoned wood
Output (nominal)	5.0 kW	5.0 kW	8.0 kW
Efficiency	84.4%	83.9%	79.3%
CO at 13% O ₂ (vol%)	0.08	0.10	0.08
NO _x at 13% O ₂ (mg/Nm ³)	94	98	99
OGC at 13% O ₂ (mg/Nm ³)	63	77	58
Dust / PM at 13% O ₂ (mg/Nm ³)	23	11	16
Flue gas temperature	249°C	233°C	297°C
Flue gas mass flow (mean)	3.3 g/s	3.8 g/s	5.9 g/s

Product Fiche — Regulation (EU) 2015/1186.

ENERGY EFFICIENCY (ERP)

Model	Flint 5 (Z2001)	Flint 5 Wide (Z2101)	Flint 8 (Z2201)
Energy efficiency class	A+	A+	A
Direct heat output (kW)	5.0	5.0	8.0
Indirect heat output (kW)	0.0	0.0	0.0
Useful efficiency at nominal output	84.4%	83.9%	79.3%
Seasonal efficiency, nominal (wood)	74%	74%	69%
Energy Efficiency Index (EEI)	112	112	105



The centreline distance from the top spigot to the back of the top of the stove = 110 mm on all models.

DIMENSIONS

Appliance	Height	Width	Depth	Weight	Collar	Max Length
Flint 5 (Z2001)	500 mm	420 mm	386 mm	65 kg	5 in / 125 mm	290 mm
Flint 5 Wide (Z2101)	560 mm	560 mm	386 mm	87 kg	5 in / 125 mm	370 mm
Flint 8 (Z2201)	560 mm	560 mm	386 mm	87 kg	5 in / 125 mm	450 mm

DISTANCE TO COMBUSTIBLES

Distance to combustibles	Flint 5 (Z2001)	Flint 5 Wide (Z2101)	Flint 8 (Z2201)
Front	1100 mm	1300 mm	1200 mm
Side	500 mm	350 mm	400 mm
Back	275 mm	350 mm	270 mm
Hearth temperature	>100°C	>100°C	>100°C

Minimum distances to combustible materials — always check against the appliance data plate.

CLEARANCES & HEARTH

There must be a minimum clearance of 150mm each side & back of the appliance, with 350mm clearance above and in front of the appliance, to provide sufficient space for heat to dissipate to room space and to allow access. If a wooden beam is present then a minimum distance of 460mm (preferably 600mm) should be maintained. A protective shield may be required for the mantelpiece or beam in some situations.

The hearth should extend 400mm from the front of the appliance with at least 150mm to the sides. The stove door when open will extend the hearth.

CHIMNEY & AIR SUPPLY

The chimney must be in good condition, dry and free from cracks and obstructions. The flue diameter should not be less than 125 mm at any point and not greater than 200 mm. The minimum chimney height should be 4.5 m, and a 150 mm diameter flue is recommended wherever possible for safety margin and performance.

Air permeability (m³/h·m²)	Flint 5 (Z2001)	Flint 5 Wide (Z2101)	Flint 8 (Z2201)
≥ 5	Not required	Not required	Required
< 5	Required	Required	Required
If a draught stabiliser is fitted	Required	Required	Required

ENERGY EFFICIENCY CLASS

Flint 5 MODEL CODE Z2001 A+ Direct heat output 5.0 kW Seasonal efficiency 74% EEI 112	Flint 5 Wide MODEL CODE Z2101 A+ Direct heat output 5.0 kW Seasonal efficiency 74% EEI 112	Flint 8 MODEL CODE Z2201 A Direct heat output 8.0 kW Seasonal efficiency 69% EEI 105
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Product Fiche — Regulation (EU) 2015/1186.

SUPPORT & WARRANTY

5-Year Warranty

Flint is supplied with a 5-Year Warranty for the original retail purchaser. The stove body and cast iron or steel construction are covered against manufacturing defects in materials and workmanship for five years from the original date of purchase, subject to the warranty terms and conditions. Consumable and wear items — including firebricks or vermiculite liners, baffle plates, rope seals, glass, grates, ash pans, operating mechanisms and surface finishes — are excluded unless defective on delivery. Warranty cover is for replacement parts only; labour, removal, installation and associated costs are excluded. Proof of purchase is required.

For support, warranty, spares, installer information and downloads, visit www.flintstove.com or contact your local Flint / Midtherm dealer.

www.flintstove.com

