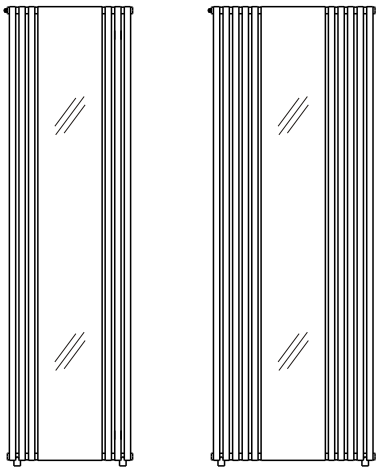
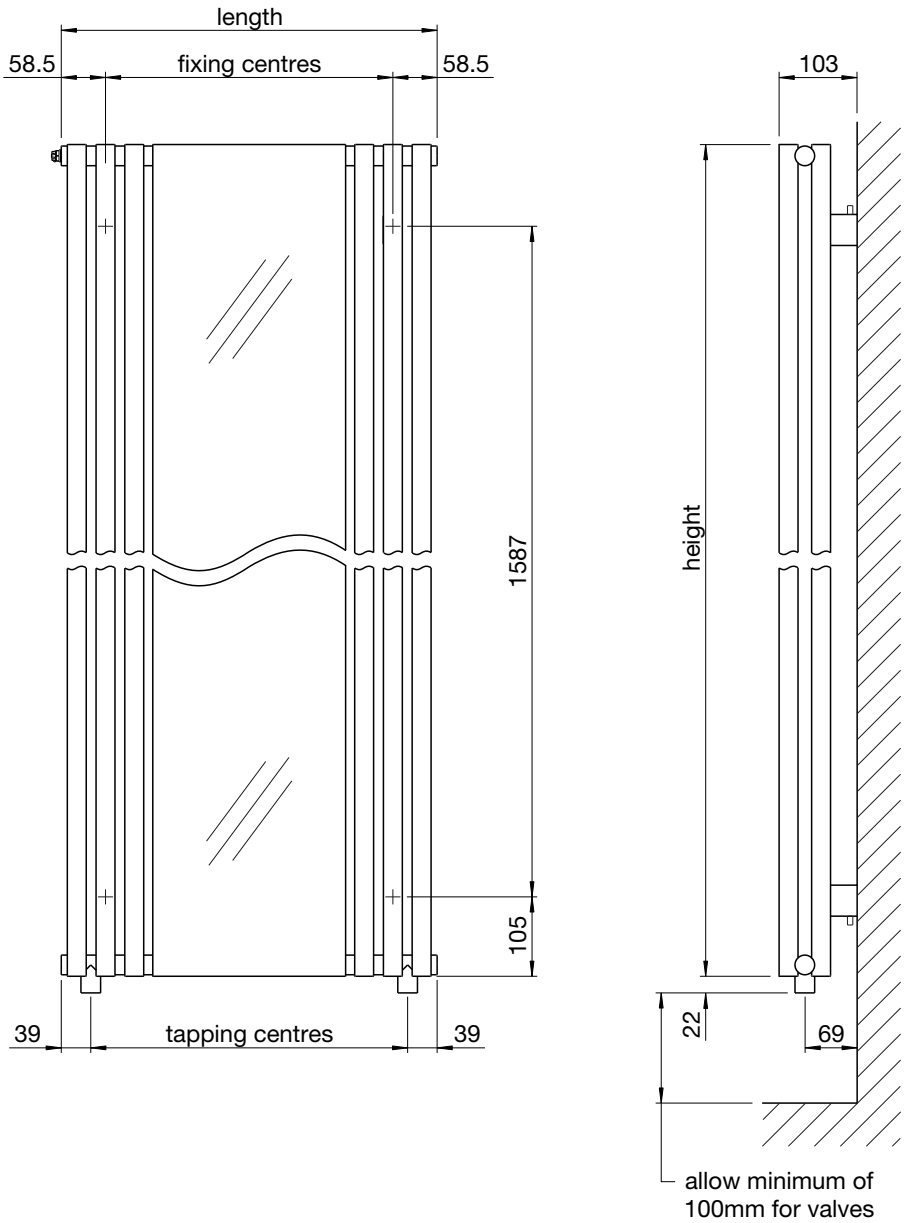


ST 180-48 ST 180-63



All dimensions shown are in millimetres

Test pressure: **13 BAR**
Max working pressure: **10 BAR**
Max working temperature: **100° C**
All steel construction: **dia 25mm x 1.25mm tubes**
dia 26mm x 1.55mm headers
Connections: **½ inch BSP underside tappings**

Not suitable for use on domestic hot water system

Heat output determined in accordance with EN 442

Model	Output ΔT=50K *Watts*	Output ΔT=60K *Watts*	Water Content *litres*	Weight *kg*	Height *± 2mm*	Length *± 2mm*	Tapping Centres *± 2mm*	Fixing Centres *± 2mm*
ST 180-48	1247	1583	14.0	31	1800	497	418	380
ST 180-63	1735	2203	19.8	41	1800	649	570	532

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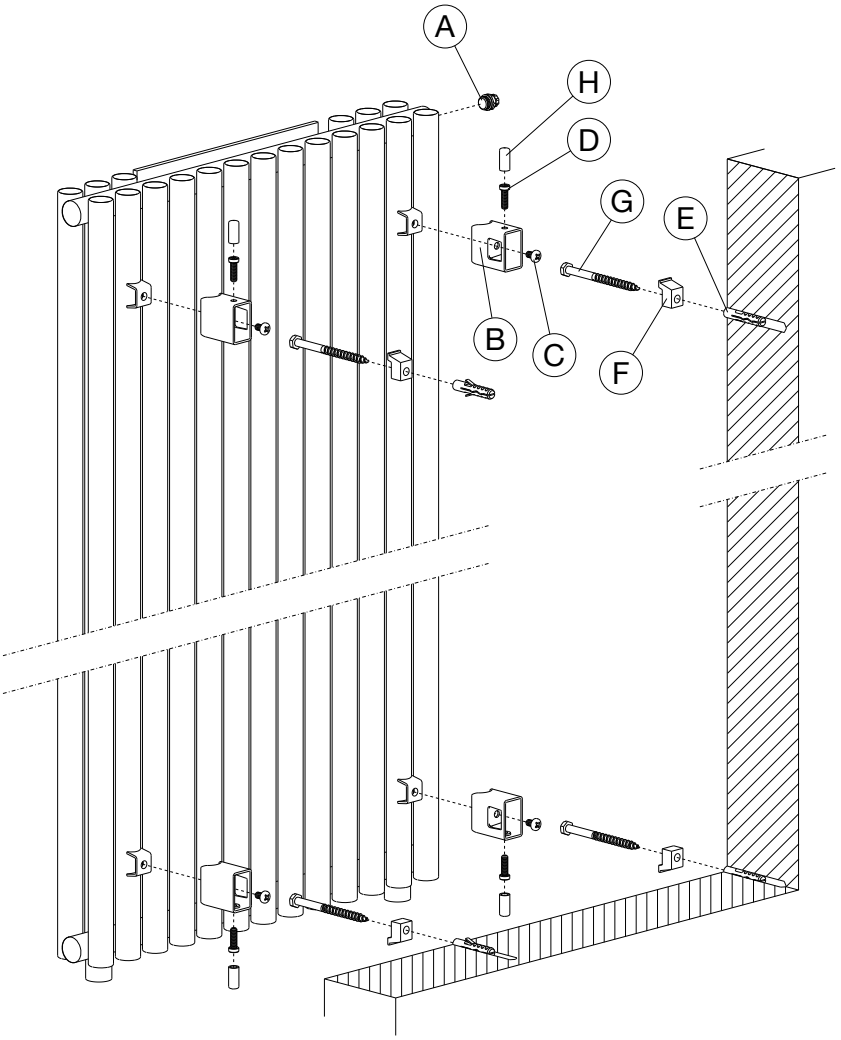
Key	Component	Qty
A	Air Vent - 1/4”	**1**
B	Bracket - Box Section	**4**
C	Screw - Round Head, M6 x 10mm	**4**
D	Screw - Pan Head, M6 x 20mm	**4**
E	Wall Plug	**4**
F	Bracket - Alloy	**4**
G	Screw - Hex Head, 7mm dia x 100mm	**4**
H	Cap	**4**
I	Air Vent Key	**1**



Tools & Material Required

Suitable valves
PTFE tape
Silicone thread sealant
Tape measure
Allen key - 12mm (if installing Polar Bear valves)
Adjustable spanner
Screwdriver - crosshead & large flathead
Electric drill
Masonry drill bit - 10mm diameter
Spirit level
Stepladder

Assembly Instructions

Sufficient PTFE tape must be applied to valve-tail threads prior to their installation.
Silicone thread sealant should be applied to all threaded components manufactured with ‘O-rings’.

Fit valve tails, using correct size Allen key.

Fit air vent (A).

Attach brackets (B) to lugs with screws (C) as shown, ensuring adjustment screw hole is uppermost for top brackets and lowermost for bottom brackets, and insert adjustment screws (D) a few turns.

Accurately mark out bracket holes on wall using spirit level, to dimensions as shown on Technical Data Sheet.

Drill four 10mm diameter holes to a minimum depth of 80mm & insert wall plugs (E). Screw alloy brackets (F) into wall plugs (E) with 7mm diameter x 100mm screws (G).

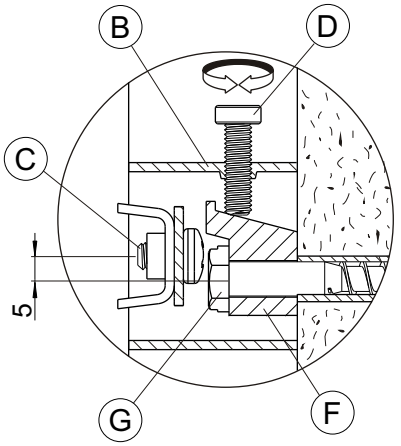
Hang radiator onto alloy brackets (F).

Tighten adjustment screws (D) on top brackets (C) down fully and then release as necessary to level radiator.

Gently tighten adjustment screws (D) on bottom brackets (C).

Cover adjustment screws (D) with caps (H).

Plumb radiator to heating circuit with flow opposite air vent.



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