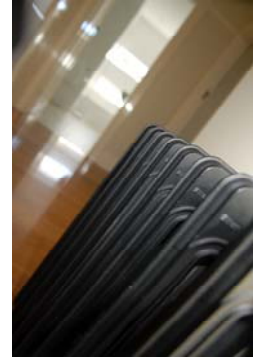




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Cast iron radiators - technical information and performance data

Hunt cast iron column radiators

All HUNT HEATING radiators are manufactured to the following standard:

Cast Iron Radiators

- | | |
|------------------------------|---|
| ✓ Iron quality | EN GJL 200 UNI and EN 1561 |
| ✓ Test pressure | 10 BAR minimum |
| ✓ Working pressure | 6 BAR maximum |
| ✓ Connections | 2 places -1/2" BSP plugs |
| | 1 place – 1/8" BSP plug |
| | 1 place – plain plug |
| ✓ Paint specification | grey undercoat ready for finish painting by others |

Hunt Heating Iron LBT radiators are made of cast iron, a material that is very resistant to corrosion, which guarantees unlimited duration through time. Cast Iron radiators are totally reliable because they are fused with EN GJL 200UNI—EN 1561 iron-ore mechanically worked with precise tolerance and tested twice at a pressure of 10 bar for a working pressure of up to 6 bar.

Radiators are finished in a grey/white undercoat suitable for an enamel finish coat. A sprayed finish by an automatic spray painter usually gives an excellent result. It is advisable not to powder coat the radiators as the seals between the sections may be damaged in the paint oven. They are approved in compliance with UNI EN ISO 9001:2000.

Radiators are supplied in units of ten (10) sections unless by prior arrangement.

Hunt radiators are covered by a 5-year warranty. The Hunt radiator outputs in this catalogue are quoted with the standard conditions of water temperatures of 90°C flow and 70°C return with an ambient air temperature of 20°C. The radiators can be used at different temperatures but their heat outputs will vary accordingly. The pipe work should be pressure tested to eliminate any leaks but **DO NOT USE MAINS PRESSURE** if the radiators or boilers are connected.

Use only **Heimeier, Pintossi or Giacommini** valves on the flow and return side of each radiator. A manual or thermostatic valve must be placed on the inlet side with the lockshield valve on the outlet side. The use of thermostatic valves are recommended, as it will provide more individual comfort and economy.

Hunt radiators can be used for many years without changing the water in the system. Never drain water from the heating system unless necessary, add water only if needed. Each time you add water or change the water in the heating system some corrosion occurs and the life of the radiator will decrease.

Use the air vent in one of the top connections to eliminate all air from the radiator.

Normal system pressure for a closed vented sealed system is 1 Bar (100 kPa) when cold.

When handling these radiators it is advisable to keep them vertical to avoid stress or damage to the joints and seals.

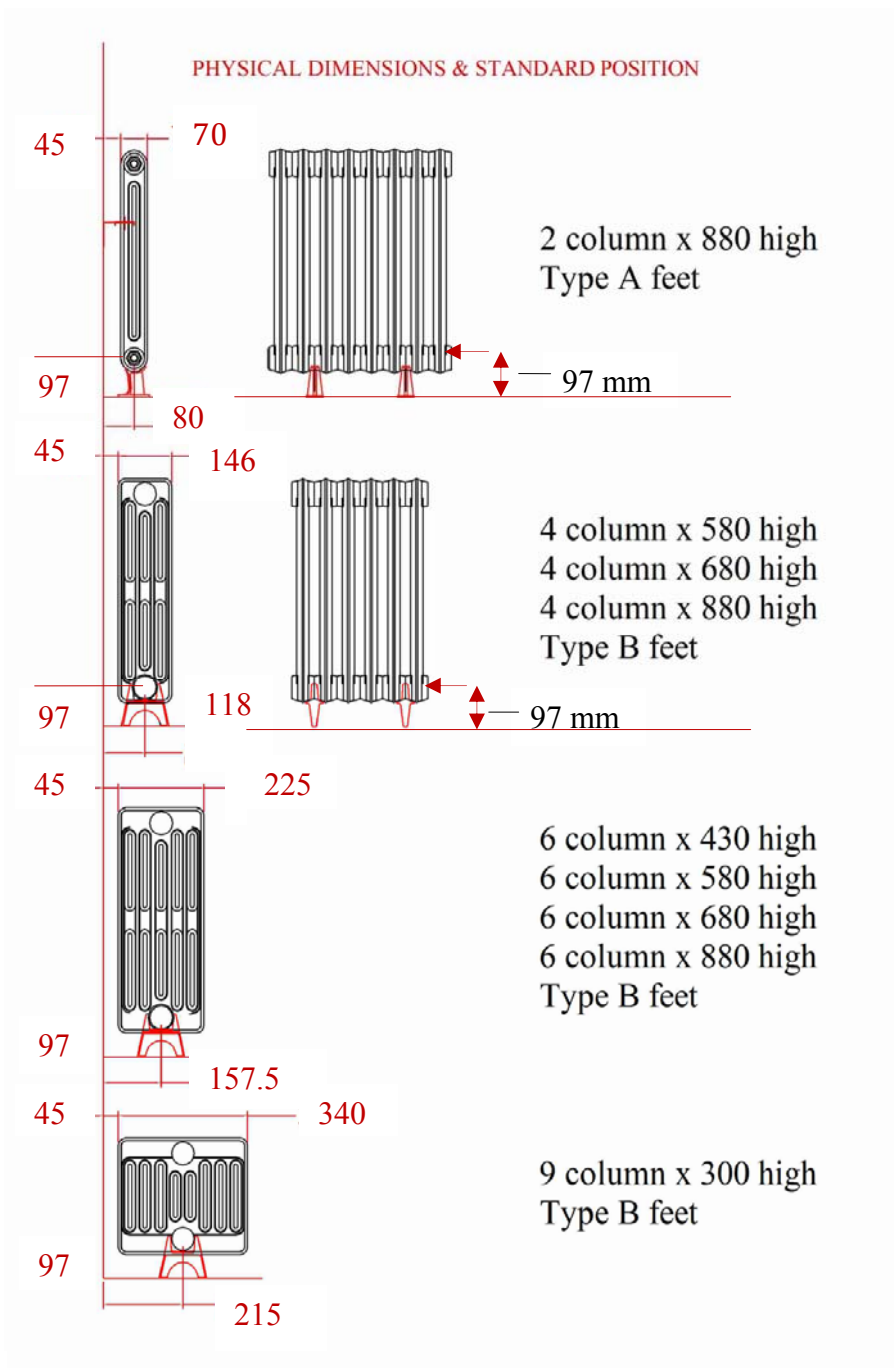


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hunt
heating

Physical dimensions

Plugs add 24 mm to the total length of unit, allowances must be made for valve centres to either side of the radiator.



Hunt cast iron radiators are supplied assembled into the specified sections



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Plugs add 24 mm to the total length of radiators, allowances must made for valve centres to either side of the radiator

For valve centres refer to the tables below

2 column radiators

Bracket lengths

35mm
45mm
60mm

valve centres

70mm
80mm
95mm

4 column radiators

Bracket lengths

35mm
45mm
60mm

valve centres

105mm
115mm
130mm

6 column radiators

Bracket lengths

35mm
45mm
60mm

valve centres

147.5mm
157.5mm
172.5mm

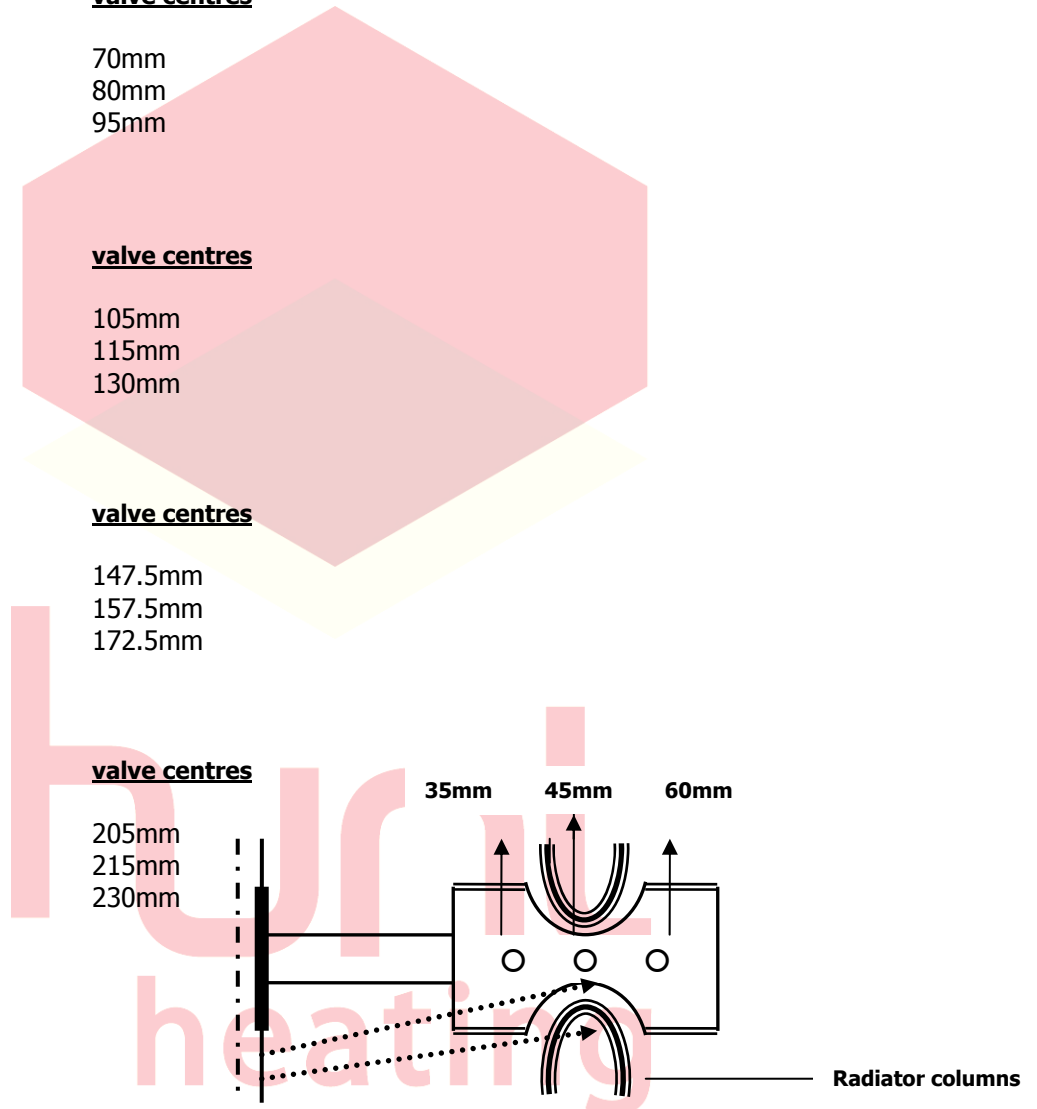
9 column radiators

Bracket lengths

35mm
45mm
60mm

valve centres

205mm
215mm
230mm



Adjustable wall brackets

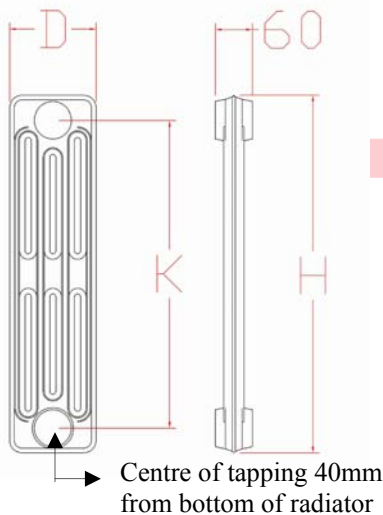
Adjustable to 3 positions – measurements above are from wall to centre of first columns of radiator which corresponds to centre of curves on bracket (comes with screw to adjust in the 3 hole positions)



Technical information

The information below refers generally to the properties of one section.

Model	Output Kw		No. Columns	H Height	D Depth	K Interaxis	Water Content	Weight Kg/ section	Max No Sections	Surface area M ²
	Δt 50	Δt 60								
LBT 880/2	0.078	0.100	2	880	70	800	0.52	5.07	30	0.23
LBT 580/4	0.094	0.120	4	580	146	500	0.71	6.27	20	0.27
LBT 680/4	0.108	0.137	4	680	146	600	0.83	7.17	20	0.32
LBT 880/4	0.135	0.173	4	880	146	800	0.99	9.27	20	0.41
LBT 430/6	0.105	0.135	6	430	225	350	0.81	7.47	15	0.30
LBT 580/6	0.123	0.158	6	580	225	500	0.99	9.77	15	0.41
LBT 680/6	0.135	0.174	6	680	225	600	1.16	11.07	15	0.47
LBT 880/6	0.156	0.201	6	880	225	800	1.43	13.67	15	0.61
LBT 300/9	0.111	0.142	9	300	340	220	0.95	8.07	10	0.31



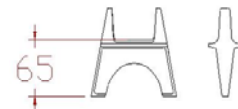
Notes.

1. All radiators supplied with plugs for 1/2" BSP radiator valve connections plus plain plug and air bleed plug.
2. Surface area from above chart can be used to calculate painting requirements.
3. Plugs add 24 mm to the total length.
4. Radiator valves centre distance add approximately 90 mm to the total length, plus allow clearance for the valve body.

Type 'A' foot for 2 column only

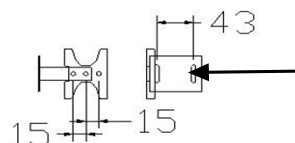


Type 'B' foot for all other sections



Standard Wall bracket

Use 4mm dia fixing to suit the type of wall- 2 places per bracket





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Selecting a HUNT cast iron radiator

Using the heat load calculation for a room. We now have to select a suitable cast iron radiator:

1. Choose the height required.
2. Choose a column number required.
3. Look up in the heat output for the selected section.
4. Calculate the number of sections required.
5. Use the ΔT 60 heat outputs.

Eg: A 680 high 6 column radiator

This radiator emits 174 watts per section

Thus $2.3\text{kW} = 2300$ watts divided by 174 watts per section equals 13.2 sections

The selected radiator is then a **680 high x 6 column x 14 sections**

Length $14 \times 60 = 840\text{mm}$

Weight 155 kg

Alternative selections:

Eg: A 300 high x 9 column radiator

This radiator emits 142 watts per section

Thus $2.3\text{kW} = 2300$ watts divided by 142 watts per section equals 16.2 sections

The selected radiator is then a **300 high x 9 column x 16 sections**

Length $16 \times 60 = 960\text{mm}$

Weight 130 kg

NB: (This is the longest length (number of sections) available in one radiator of these dimensions.)

Or

Eg: A 880 high x 2 column radiator

This radiator emits 108 watts per section

Thus $2.3\text{kW} = 2300$ watts divided by 100 watts per section equals 23 sections

The selected radiator is then **880 high x 2 column x 23 sections**

Length $23 \times 60 = 1380\text{mm}$

Weight 117 kg

Or

Eg: A 680 high x 4 column radiator

This radiator emits 138 watts per section

Thus $2.3\text{kW} = 2300$ watts divided by 138 watts per section equals 16.7 sections

The selected radiator is then a **680 high x 4 column x 17 sections**

Length $17 \times 60 = 1020\text{mm}$

Weight 122 kg