



Guide to choosing a radiator

The correct size radiator

Choosing the correct size radiator is important. This information sheet provides you with a quick and easy method to estimate the best-sized radiator for your home.

What to do:

1. To estimate the size of the radiator required, you need to know how much heat is required to maintain a comfortable room temperature.
2. If you have a house plan, use the information on the plan, if not fill out the details on our **Heat Load Calculation Sheet**.
3. Use the chart below to estimate the heat required for each room.

Results shown in kW of heat

		Room Length in Metres												
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
Room Width in Metres	8	1.9	2.3	2.8	3.3	3.7	4.2	4.6	5.1	5.6	6.2	6.5	6.9	7.5
	7.5	1.8	2.2	2.6	3.0	3.5	4.0	4.4	4.8	5.3	5.6	6.1	6.5	
	7	1.7	2.0	2.4	2.9	3.3	3.6	4.1	4.5	4.8	5.3	5.6		
	6.5	1.5	1.9	2.2	2.6	3.0	3.4	3.7	4.2	4.5	4.8			
	6	1.4	1.8	2.1	2.4	2.8	3.2	3.5	3.7	4.2				
	5.5	1.3	1.7	1.9	2.2	2.5	2.9	3.2	3.5					
	5	1.2	1.4	1.8	2.0	2.3	2.6	2.9						
	4.5	1.1	1.3	1.5	1.9	2.1	2.3							
	4	0.9	1.2	1.3	1.7	1.9								
	3.5	0.8	1.0	1.2	1.4									
	3	0.7	0.9	1.0										
	2.5	0.6	0.7											
	2	0.4												

The above chart is based on room assumptions of:

A). The room being insulated to the new building code.

(If not, **add 20%**)

B). The room having 25% or less of its walls as windows.

(If more than 50% of its wall as windows, **add 25%**).¹

C). The room ceiling height being 2.4 meters.

(If ceiling is higher add a percentage increase as below)

3 meters high **add 25%** 3.6 meters high **add 50%**

Example: Room size 5 metres wide by 4 metres long with ceiling height 3 metres

From the chart: Heat output = **2.3 kW** + **25%** for 3 metre ceiling = **2.88kW**

¹Windows are a significant loss factor, for every large window where the room has over 50% of its walls as windows space, please consult with Pivot Stove & Heating sales consultant