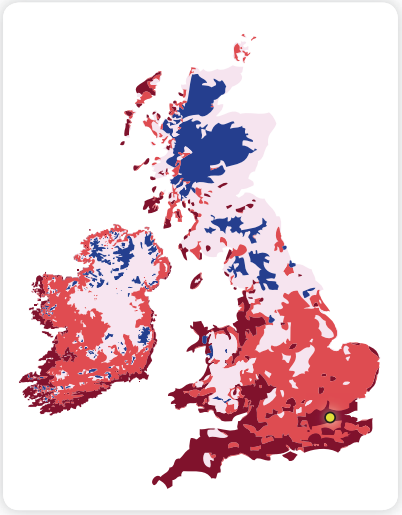
THERMAL MAPPING AND HEAT LOSS CALCULATION IN THE UK AND IRELAND

The table below shows recommended figures that will help to calculate the power requirement in kWatts to install GABARRÓN Thermal Inertia Radiators in the UK and Ireland.

To calculate the theoretical heat loss in a room it is necessary to match the room floor area with the total length of outside walls of this room. We should install the inertia thermal radiator with the power immediately above the theoretical power obtained.

In bedrooms and kitchens it is possible to reduce the theoretical power required by 20%. But in the same way, all rooms located in a top floor would be recommended to increase the theoretical power by 20% too.

These figures have been developed to get a comfort temperature of 21ºC.



ELECTRIC THERMAL INERTIA RADIATORS

The table below shows which Electric Thermal Inertia Radiator in kWatts is best suited for the area you are looking to heat. All you need is the floor area and total outside wall length to calculate your radiators.

Floor Area m²	Temp. to obtain ºC	TOTAL LENGTH OF OUTSIDE WALL (Mtr)											
		1.5m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
Up to 3m²	21ºC	0.50	0.50	0.75	0.75	0.75	1.00						
	18ºC	0.50	0.50	0.50	0.75	0.75	1.00						
Up to 6m²	21ºC	0.50	0.75	0.75	1.00	1.00	1.00	1.25	1.25				
	18ºC	0.50	0.50	0.75	0.75	0.75	1.00	1.25	1.25				
Up to 9m²	21ºC	0.75	0.75	1.00	1.00	1.00	1.25	1.25	1.50	1.50	2.00		
	18ºC	0.75	0.75	0.75	1.00	1.00	1.00	1.25	1.25	1.50	1.50		
Up to 12m²	21ºC	0.75	1.00	1.00	1.00	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00
	18ºC	0.75	0.75	1.00	1.00	1.25	1.25	1.25	1.50	1.50	2.00	2.00	2.00
Up to 15m²	21ºC	1.00	1.00	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25
	18ºC	1.00	1.00	1.00	1.25	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00
Up to 18m²	21ºC	1.00	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.25
	18ºC	1.00	1.00	1.25	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00
Up to 21m²	21ºC	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.25	2.50
	18ºC	1.00	1.00	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00
Up to 24m²	21ºC	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50
	18ºC	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.25
Up to 27m²	21ºC	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50	2.75
	18ºC	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.25	2.50
Up to 30m²	21ºC	1.50	2.00	2.00	2.00	2.00	2.25	2.25	2.50	2.50	2.75	2.75	3.00
	18ºC	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50