

HEATER SIZING GUIDE

Heatstore provides a number of options, to meet different property and timescale requirements.

If you need to obtain an indication of the heating requirements for estimating or if you need heating for one or two rooms, please use this Selection Guide.

Alternatively, please contact our Technical Department on 0117 923 5375.

The tables below provide heater sizing guidance for Dynamic Quantum heaters; floor area, the wall construction, and the number of outside walls, as well as the heater loading in kilowatts. These tables do not take into account old properties or those built very recently. If your property fits into one of these classifications, please contact Heatstore.

Living or dining room: Dynamic Quantum
Heater loading in kW. Temperature 21°C

Floor area m	Solid walls no. of outside walls			Cavity walls no. of outside walls			Insulated cavity walls no. of outside walls		
	1	2	3	1	2	3	1	2	3
12	1.84	2.16	2.88	1.60	1.92	2.48	1.12	1.28	1.68
16	2.08	2.48	3.20	1.84	2.32	2.88	1.36	1.60	1.92
20	2.64	3.12	3.92	2.32	2.72	3.44	1.68	1.92	2.32
24	2.96	3.44	4.32	2.64	3.12	3.76	2.08	2.32	2.64
28	3.28	3.92	4.80	2.96	3.44	4.24	2.16	2.48	2.96
32	3.52	4.32	5.28	3.28	3.76	4.72	2.40	2.72	3.20

Bedrooms: Dynamic Quantum
Heater loading in kW. Temperature 18°C

Floor area m	Solid walls no. of outside walls			Cavity walls no. of outside walls			Insulated cavity walls no. of outside walls		
	1	2	3	1	2	3	1	2	3
8	0.8	1.3	1.7	0.8	1.0	1.4	0.8	0.9	1.4
12	0.9	1.8	2.3	0.9	1.4	2.1	0.8	1.4	1.8
16	1.2	2.1	2.7	1.0	1.7	2.2	0.9	1.6	2.1
20	1.4	2.2	3.1	1.2	2.0	2.6	1.0	1.8	2.4
24	1.5	2.3	3.4	1.2	2.1	2.9	1.0	1.9	2.5

Kitchen: Dynamic Quantum
Heater loading in kW. Temperature 21°C

Floor area m	Solid walls no. of outside walls			Cavity walls no. of outside walls			Insulated cavity walls no. of outside walls		
	1	2	3	1	2	3	1	2	3
10	1.28	1.68	2.32	1.12	1.60	1.92			
12	1.52	2.16	2.64	1.36	1.84	2.32			
14	1.68	2.40	2.88	1.60	2.08	2.48			
16	1.92	2.64	3.12	1.68	2.32	2.72			

For all kitchens with cavity wall insulation direct heating is preferred.

Commercial heating For greater control and economy of operation, Dynamic Quantum heaters are recommended. Sizing is based on a single storey with a ceiling height of 3m and a minimum of 75mm of roof insulation.

Office: Dynamic Quantum
Heater loading in kW. Temperature 21°C

Floor area m	Solid walls no. of outside walls			Cavity walls no. of outside walls			Insulated cavity walls no. of outside walls		
	1	2	3	1	2	3	1	2	3
15	2.16	2.96	4.08	2.00	2.56	3.52	1.68	2.08	2.64
20	2.64	3.52	4.48	2.40	3.12	4.00	2.08	2.56	3.12
25	2.96	4.08	5.20	2.72	3.68	4.56	2.40	3.04	3.60
30	3.52	4.72	5.84	3.36	4.24	5.20	2.88	3.52	4.16
40	4.80	5.92	7.68	4.40	5.36	6.72	3.92	4.48	5.36
50	5.28	6.80	8.40	4.96	6.24	7.44	4.48	5.28	6.08

