

**DIMPLEX**

# heating design service

## HEATING SELECTION GUIDE

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## Heating calculating tables Dimplex and Unidare Storage and Panel Heaters

### How to use this selection guide.

Knowing the floor area, the wall construction and the number of outside walls, the heater loading in kilowatts is indicated in the appropriate table.

For living and dining rooms the preferred options are WMC or CXL/CXLS combination storage heaters or FXL / WMF fan storage heaters to provide a greater degree of comfort and control.

Heater sizing for XLS/XL and WMS storage heaters can be easily calculated

Note a ceiling height of 2.4m is assumed and a minimum of 75mm of roof insulation. The customer service department can provide information on halls, landings and bathrooms.

**Living or dining room: FXL/WMF fan storage or CXL/ WMC combination storage heaters. Heater loading in kW. Temperature 21°C**

Floor area	Solid walls			Cavity walls			Insulated cavity walls		
	No. of outside walls			No. of outside walls			No. of outside walls		
Msq.	1	2	3	1	2	3	1	2	3
12	2.3	2.7	3.6	2.0	2.4	3.1	1.4	1.6	2.1
16	2.6	3.1	4.0	2.3	2.9	3.6	1.7	2.0	2.4
20	3.3	3.9	4.9	2.9	3.4	4.3	2.1	2.4	2.9
24	3.7	4.3	5.4	3.3	3.9	4.7	2.6	2.9	3.3
28	4.1	4.9	6.0	3.7	4.3	5.3	2.7	3.1	3.7
32	4.4	5.4	6.6	4.1	4.7	5.9	3.0	3.4	4.0

For XLS/XL or Unidare WMS heaters multiply loading by 1.5.

**Bedrooms: For bedrooms PLX / UPX panel heaters are recommended. Heater loading in kW. Temperature 18°C**

Floor area	Solid walls			Cavity walls			Insulated cavity walls		
	No. of outside walls			No. of outside walls			No. of outside walls		
Msq.	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

For XLS/XL or Unidare WMS heaters multiply loading by 1.5.

**Kitchen: XLS/XL or Unidare WMS storage heating. Heater loading in kW. Temperature 18°C**

Floor area	Solid walls			Cavity walls			Insulated cavity walls		
	No. of outside walls			No. of outside walls			No. of outside walls		
Msq.	1	2	3	1	2	3	1	2	3
10	1.6	2.1	2.9	1.4	2.0	2.4			
12	1.9	2.7	3.3	1.7	2.3	2.9			
14	2.1	3.0	3.6	2.0	2.6	3.1			
16	2.4	3.3	3.9	2.1	2.9	3.4			

For all kitchens with cavity wall insulation direct heating is fine, choose from BFH plinth heaters or FX fan heaters for all situations.

### Commercial heating

For greater control and economy of operation FXL / WMF fan storage heaters are recommended. Sizing can be easily calculated

for XLS/XL or WMS storage heaters.

Sizing is based on a single storey with a ceiling height of 3m and a minimum of 75mm of roof insulation.

**Office: FXL fan storage heaters or CXL/CXLS or WMF combination storage heaters. Heater loading in kW. Temperature 21°C**

Floor area	Solid walls			Cavity walls			Insulated cavity walls		
	No. of outside walls			No. of outside walls			No. of outside walls		
Msq.	1	2	3	1	2	3	1	2	3
15	2.7	3.7	5.1	2.5	3.2	4.4	2.1	2.6	3.3
20	3.3	4.4	5.6	3.0	3.9	5.0	2.6	3.2	3.9
25	3.7	5.1	6.5	3.4	4.6	5.7	3.0	3.8	4.5
30	4.4	5.9	7.3	4.2	5.3	6.5	3.6	4.4	5.2
40	6.0	7.4	9.6	5.5	6.7	8.4	4.9	5.6	6.7
50	6.6	8.5	10.5	6.2	7.8	9.3	5.6	6.6	7.6

For XLS/XL or Unidare WMS heaters multiply loading by 1.5.