Ecolec Low Energy Panel Heaters

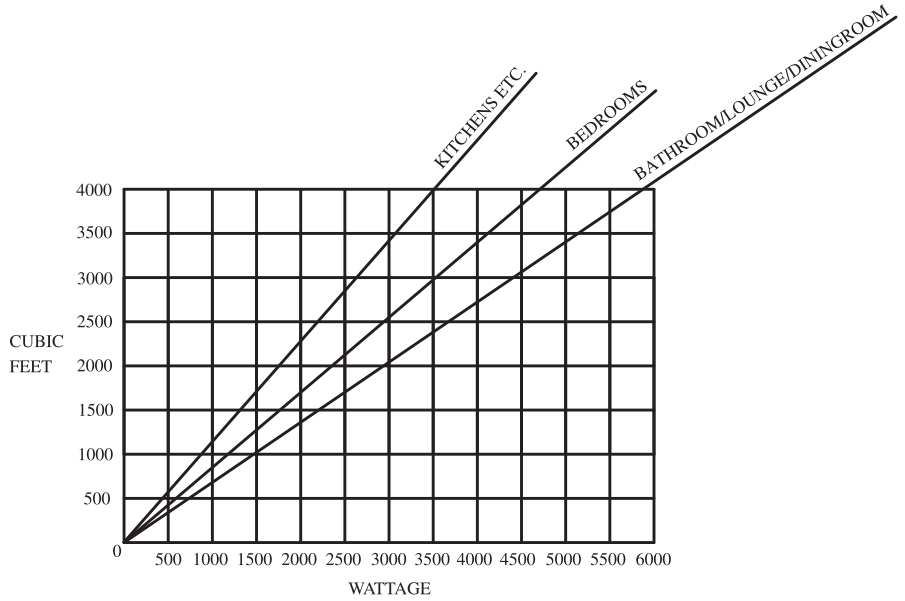
Method of calculating number and size of panels required.
1. Determine the volume in cubic feet of the space to be heated. This can be done by multiplying room height x length x width in feet and inches.
2. Using the table shown, choose the multiplication factor and apply to room volume. This gives the heat loss in BTU's.

Bathrooms / lounges / dining rooms ..... multiply cubic feet by 5
Bedrooms ..... multiply cubic feet by 4
Common areas and kitchens ..... multiply cubic feet by 3

	1000 DH Output Watts
80˚C	960
70˚C	800
55˚C	460
43˚C	300

For rooms facing North add 15%
For French windows add 20%
For double glazing deduct 10%

3. Divide BTU's by 3412 to give output in Kilowatts.
4. Using Ecolec's Price List choose the heater panels that collectively produce the wattage output required.



Ref	Room Name	Room Heat Loss (W)	No. of Heaters Required	Heater Model	Heater Rating Watts	Heater Output Watts @ 70˚C	Heater Output Btu's @ 70˚C	Total Output Watts	Sales Price Per Unit (ex VAT)

EER (Energy Efficiency Ratio) = BTU/Hour Output ÷ Watts Input

Prepared By:

Agreed By: