

InfraRedReplacingGas

In association with



Cost of Infrared Heating for office space of 620m²

We would suggest that from the information given below you should be able to calculate the required heating and number of panels needed to heat your offices with our infrared. If you find, as the client did below, that your heating bill with your current heating system exceeds the figures below pro rata you need to change your heating to our infrared heating.

The cost of 97 panels each 600 x 600 mms comes out at £14,965 net so the cost of buying our infrared heating to heat such a large office is minimal. The cost of any other heating option in our view would far exceed and probably be double the cost if not more.

The below is an actual calculation for a Company which wishes to move from gas producing warm air, which apparently is a very ineffective heating system against our infrared.

With the formula below you should be able to calculate your own requirements and the costings, but we are always available to help calculate exactly the number of panels you will require, the cost of buying them and the running costs. Just get in touch!

Wattage

To calculate the wattage and from that the number of panels required –

$620\text{m}^2 \times 50 \text{ watts per m}^2 = 31,000 \text{ watts} / 320 \text{ watts per panel} = 97 \text{ panels each } 600 \times 600 \text{ mms}$ in either a suspended ceiling or placed on a solid ceiling

Running Costs

The formula to work out annual running costs is: -

Number of heating days per annum x hours running per day x kWh x cost per kWh + (365 x daily standing charge)

The total wattage used to heat a space is divided by 1000 to give the kWh number for the formula.

A sample costing could be –

130 days (26 weeks x 5 days per week) x

7 hours per day average x

31 kWh x

£0.28 per kWh

= £7,898.80 + daily standing charge.

(The above figures will change according to the local cost for kWh and daily standing charge. This is a matter for your client to calculate to apply to their office space.)

Over to you!

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