

HEATSTRIP



INDOOR RADIANT HEATERS - THS SERIES

SELECTION GUIDELINES

HEATSTRIP panels should be selected to provide the required heating effect in the area to be heated. To determine the kilowatts of heating required. A heat loss calculation should be made and HEATSTRIP units selected to meet this load.

As a quick selection guide for standard application the following factors can be applied:

| APPLICATION | W/M ² |
|--|---------------------|
| Indoor normal insulated areas (schoolrooms/offices etc)* | 100w/m ² |
| Indoor open areas (Factories/ sports facilities etc) | 200w/m ² |
| Indoor spot heating (factories/ warehouses etc) | 300w/m ² |

* If window area exceeds 15% of floor area, use 120w/m²

RECOMMENDED MOUNTING HEIGHTS FOR THS SERIES HEATSTRIP

| Model | Watts | Indoor Comfort Heating | | Indoor Spot Heating | |
|----------|-------|------------------------|------|---------------------|------|
| | | Min | Max | Min | Max |
| THS 800 | 800 | 2.4m | 3.2m | - | - |
| THS 1200 | 1200 | 2.4m | 3.6m | 2.4m | 3.0m |
| THS 1800 | 1800 | 2.4m | 4.0m | 2.4m | 3.0m |
| THS 2400 | 2400 | 3.0m | 5.0m | 2.4m | 3.6m |
| THS 3600 | 3600 | 3.6m | 8.0m | 3.0m | 5.0m |

Example – What HEATSTRIP models would be recommended to heat a standard office area of 60m² with a ceiling height of 3.2m?

Refer to the Application guide:

The 60m² office area would be classified as an "Indoor normal insulated area". The recommended wattage required to heat this type of area is 100w/m².

Therefore: $60\text{m}^2 \times 100\text{w/m}^2 = 6000\text{w}$.
6000w is required to heat the office of 60m²

Refer to the Recommended Mounting Heights table, specifically the Indoor Comfort Heating options: The ceiling height for the office area is 3.2m, making the THS 800, THS 1200, THS 1800 and THS 2400 possible options. The THS 3600 model would not be a possible option, as the recommended minimum mounting height for this model is 3.6m.

Also refer to the watts specified for each HEATSTRIP model.

Using this guide, we calculate how many heaters are required to heat the office requiring 6000w

- Option 1 = THS 800 (800w) 8 x 800w = 6400w.
- Option 2 = THS 1200 (1200w) 6 x 1200w = 6000w.
- Option 3 = THS 1800 (1800w) 4 x 1800w = 7200w.
- Option 4 = THS 2400 (2400w) 3 x 2400w = 7200w.

Therefore Option 2 using 6 x THS 1200 HEATSTRIP heaters, producing 6000w would be the most appropriate selection.

Notes:

- THS series are a medium intensity radiant panel heater with an IPX3 rating. They are suitable for indoor or outdoor enclosed applications.
- For comfort heating applications, HEATSTRIP units should be thermostatically controlled. To reduce energy use, a timer system such as the Comfortwise Magic Touch controller may also be used.
- Minimum mounting height is 2.1m
- Contact your HEATSTRIP supplier or Thermofilm for exact load & layout requirements where non-standard applications are involved.

