





Heating Guide

A1 Hire Heat Calculator

Working out your heating requirement is simple using the A1 Hire Heat Calculator, complete the formula below to determine the heat output which will best suit your circumstances.

<p>Volume X Rise in Temperature X Insulation Factor (K) X 4 = Required BTU</p> <p>If you require an answer in kW output, complete the same formula and divide the answer by 3412</p>	Volume	Length x width x height of area to be heated in metres.
	Rise in Temperature	Desired rise in temperature in degrees Celsius above the current ambient temperature
	Insulation (K) factor	K=1.2 Well insulated e.g. House K=2.2 Average insulation. e.g. Site hut K=3.0 Poor insulation e.g. Warehouse K=4.0 No insulation e.g. Construction site
	Required BTU	Take your answer and match it with the nearest heaters from the range. If your answer is greater than the highest output from the largest A1 Hire heater, multiple heaters will be required.

<p>Site survey and installation service available</p>	1. INDIRECT	2. DIRECT	3. RADIANT	4. SITE & OFFICE
	<p>These are ideal for places that need large volumes of clean warm dry air such as halls, marquees and areas where people gather together. Places where ventilation is limited or there is a potential risk to combustible materials. Drying buildings during construction or after flooding because it raises the temperature without raising the relative humidity.</p>	<p>Ideally suited to providing large volumes of warm air in environments such as warehouses, factories and halls. Direct heaters are most suitable in ventilated areas, as the heating process adds moisture to the air during the combustion process. They are not suitable for drying applications</p>	<p>Heaters emit advanced infra-red heat, projecting very intense heat up to 6 meters. The infra-red rays emitted don't warm the air directly, they warm up objects such as people, tables or even the floor. Ideal for shops, garages and hospitals because they are fume free and odourless.</p>	<p>These highly cost-effective and efficient heaters have been designed for use in heating offices, site huts and domestic rooms. These radiant and convection heaters are lightweight, portable and easy to position.</p>
				
Construction sites	Y		Y	
Factories	Y	Y		
Warehouses	Y	Y	Y	
Sports Halls	Y	Y		
Farm Buildings	Y			
Marquees	Y		Y	
Shops			Y	Y
Garages			Y	
Site Huts			Y	Y
Offices			Y	Y
Workshops			Y	