

Stay warmer this winter...

with Cool Energy's Heat for Hire



Do you have an office, warehouse or production area that needs heating ready for the winter?

We all know that last winter was the coldest on record for 100 years. So why not prepare your business incase this is repeated again.

We can visit you on either the same or next day to help determine how we can help. There is a wide range of electric, oil fired and heat pump units available for immediate rental,

Cool Energy offer a nationwide rental and installation service to help meet your pre-planned or emergency needs.

Please contact us if you have a future project or need a contingency plan for severe cold weather, call us on [0800 840 4210](tel:08008404210) or, alternatively, visit our website at www.coolenergy.co.uk



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www.coolenergy.co.uk

Heat your Offices, Warehouses and Production Areas...

with Cool Energy's Heat for Hire



Packing & Production Quality



Warehousing and Production Storage



Production Areas with Staff



Offices and Personnel Comfort

How to calculate how much heating you may need.

Heat Calculation

Amount of heat required =

Establish the desired heat rise °C (ΔT)
 X
 Calculate the volume of the area space in m^3
 X
 Take into account the insulation (K value) of your area
 X
 4 (constant)
 = Btu/h \div 3412 to get kW Heat

Example:

External ambient 5°C - need 20°C = 15°C Heat Rise
 Marquee 20m x 15m x 3.5m = 1,050 m^3
 Hardly any insulation = 4K

Calculation:

15°C x 1,050 m^3 x 4K x 4 = 252,000 Btu \div 3412
 = 73.86kW Heat Load

K Values:

Well Insulated	K = 1.2 Cold Store
Average	K = 2.2 Offices
Badly Insulated	K = 3.0 Factories
Hardly Insulated	K = 4.0 Marquee

Conversions:

Meters to feet	m \div 3.28 = ft
Feet to meters	ft x 3.28 = m

Temperature:

°C x 1.8 + 32 = °F
 °F - 32 \div 1.8 = °C

Cool Energy

Electric Heating Product Range

Cool Energy's Heating range is entirely portable and fast to install, providing heat within seconds. The majority of our equipment is supplied with castors to help deliver, move and position heating to you wherever needed.

Heat Clima (HC) Range of Electric Heaters	Offices & Retail Applications		Warehouses, Production & Storage Applications			
						
	HC Radiator 2kW	HC Convector 2kW	HC3kW	HC13kW	HC29kW	HC42kW
Airflow Rate	N/A	N/A	423m ³ /hr	1,017m ³ /hr	2,034m ³ /hr	4,000m ³ /hr
Pressure	N/A	N/A	80pa	400pa	400pa	600pa
Fan Type	N/A	Radial	Radial	BC Impellor	BC Impellor	Radial
Heat Capacity (kW)	2	2	3	13.9	14.5/28.9	21/42
Max Heat Capacity (kcal)	1,720	1,720	2,625	12,161	25,284	36,745
Temp Increase (ΔT)	10°C	10°C	40°C	49°C	55°C	60°C
Supply	230v 50hz	230v 50hz	230v 50hz	400v 50hz	400v 50hz	400v 50hz
Max Current	11A	11A	12A	12A	22A	62A
Plug Size & Type	13A BS1363	13A BS1363	13A BS1363	4 PIN 16A BS4343	4 PIN 32A BS4343	4 PIN 63A BS4343
Sound (3m)	NIL	NIL	45dB(A)	55dB(A)	57dB(A)	73dB(A)
Spigot Ø	N/A	N/A	200mm	200mm	250mm	500mm
Mobility	Portable	Portable	Portable	Portable	Portable	Portable
Thermostat	Adjustable	Adjustable	Optional	Optional	Optional	Optional
Dimensions HxWxD (mm)	630x245x420	400x210x600	360x300x330	380x300x450	570x400x520	1000x700x1100
Weight	15.4Kg	4Kg	10Kg	18Kg	36Kg	130Kg
Overtemp Protection	YES	YES	YES	YES	YES	YES
Phase Protection	N/A	N/A	N/A	NO	NO	YES
Max Ducting	N/A	N/A	5m	15m	20m	30m
Effective Area m³	48	48	72	102	696	1,008
Effective Area ft³	1,690	1,690	2,534	3,590	24,500	35,482
Castors	YES	N/A	YES	YES	YES	YES

Cool Energy's critical heating range

All ready for same or next day rental

Large Hot Water Plant



Heat Pump Chillers
5kW - 1,000kW units.

Boilers



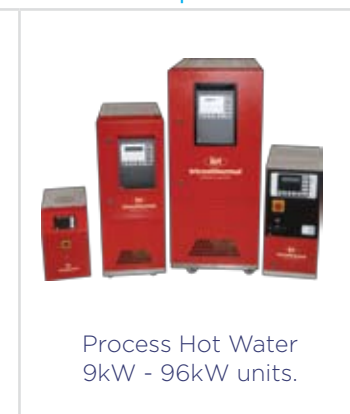
Hot Water Boilers
50kW - 1,000kW units.

Hot Water Generators



Clean Portable Hot Water
50kW - 200kW.

Process Temp Controllers



Process Hot Water
9kW - 96kW units.

Office Heaters



KY32D 3.2kW 450m³/hr
Heating Function



Electric Heaters
3kW - 42kW Units.

Space/Warehouse heating

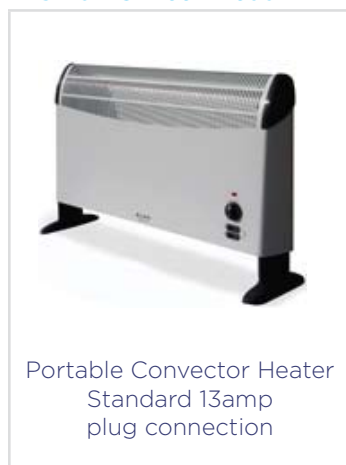


Indirect Oil Fired Heaters
42kW - 180kW Units.

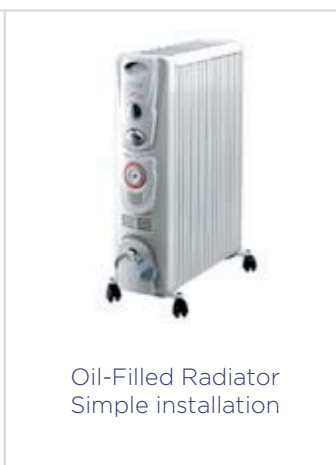


Large Warehouse Heaters
375kW - 700kW Units.

Small Office Areas



Portable Convector Heater
Standard 13amp
plug connection



Oil-Filled Radiator
Simple installation

Warm Air Distributors



Air handlers Warehouse
Heat 5KW - 500kW Units.

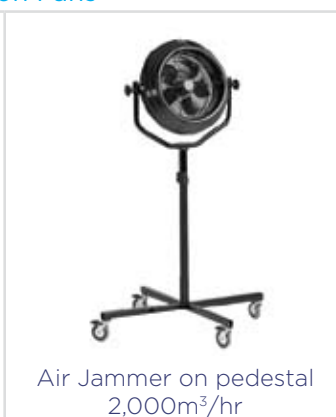


Office Heat Distribution
10kW Fan Coil 2,012m³/hr

Air Movement & Ventilation Fans



Rapid Fan 500 8,500m³/hr



Air Jammer on pedestal
2,000m³/hr



Air Jammer 630 12,500m³/hr

