

ENERGOSTRIP

LONG WAVE RADIANT HEAT



*warms like
the sun*



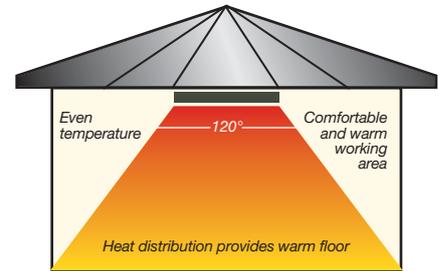
Heat effect

Conventional heating systems rely on warming the air, which results in low heating comfort, draughts and high running costs, and provides poor working conditions and decreased productivity.

ENERGOSTRIP offers an ideal solution by being able to warm the objects in a room, including the walls and windows. ENERGOSTRIP's unique heat effect prevents the body losing heat to colder surfaces, thereby raising the comfort levels of those in the room/area.

ENERGOSTRIP provides a gentle, even warmth without the stuffiness associated with other forms of heating, resulting in higher comfort levels. It is therefore ideal for schools, daycare centres, rest homes, offices etc. As Energostrip is effective from heights ranging from 2m to 30m it is also the ideal heating solution for those difficult-to-heat areas such as churches, convention centres, aircraft hangars and warehouses. An added benefit is the efficiency and major energy savings, as there is no need to heat a large volume of air continuously.

ENERGOSTRIP radiant heaters operate on the same principle as the sun's rays in heating solid surfaces. You will have noted, how even on a frosty morning when the sun is up, you can feel the warmth on a concrete or brick wall. This radiant heat is utilised by ENERGOSTRIP which has the ability to heat the walls and floors of a room, unlike conventional heating methods, which only heat the air.



ENERGOSTRIP Radiant Heating

ENERGOSTRIP is normally mounted on a ceiling, from where it radiates heat downwards at an angle of 120° from the centre of the heater throughout its length. The heat is 90% radiant and 10% convection, which provides natural comfortable warmth without hot or cold spots. It also ensures that the room environment stays fresh and airy.



Versatile Heating Solution

Due to their versatility, over 30,000 ENERGOSTRIP heating units have been installed in buildings throughout New Zealand since 1990. They include many schools, sport stadia, airports, churches, rest homes and convention centres. A proven performer, ENERGOSTRIP is the preferred heating solution for leading architects, engineers and property owners.

ENERGOSTRIP radiant heating systems are discreet and aesthetically-pleasing, with many options to blend the system into the fabric of the room. Optional recessing kits are available for suspended or solid ceilings. Suspension frames and wall brackets are also available.

Flush Fitting

* **Grid Ceilings:** An additional metal ceiling tile allows ENERGOSTRIP heaters to be flush-fitted into a suspended grid ceiling (*NZ Standard approved*). Models EE6, EE8, EE12 and EE18 fit into a standard 1200 x 600mm tile aperture. Larger models EE10, EE16, EE20 and EE24 will require some modification of the ceiling grid.

* **Solid Ceilings:** An additional aluminium frame, which is supplied as an extra, allows flush-fitting (*NZ Standard approved*) of the heaters into a gibbed or timber ceiling.

* **Suspension Frame:** An aluminium angle-section frame that can be powder-coated to the colour of your choice is available as an extra. Standard colour is bright silver. The heaters can also be suspended on wire or chain, but EnergoTech recommend that larger models EE24 and EE36 be fitted inside the aluminium suspension frame.

* **Wire Cage:** ENERGOSTRIP heaters are very robust, however a wire cage for more protection is also available as an extra. Standard colour is bright silver.

* **Wall Mounting:** An additional wall bracket, available as an extra, is required for wall mounting.

* See accessory sheet



Grid Ceiling



Solid Ceiling



Surface Mount

Benefits

25-50% energy saving / Ceiling-mounted for heights from 2-30 metres / No draughts or moving parts / Noiseless and completely safe / Long wave radiant heat 5-6µm / Even heat – no hot or cold spots / Simple, inexpensive to install / Spray-safe for wet/dry areas (IP44) / Environmentally friendly / Allows clear

walls and floor / Maintenance-free / Fully-insulated rear of heater minimises upward heat loss / Galvanised painted sheet metal, aluminium heat plates and stainless steel heating elements / Element construction minimises electro-magnetic fields / Market-proven over 20 years / 5 year manufacturer's warranty.

Construction

The main heater body is galvanised and powder-coated, with Rockwool insulation and an aluminium heat plate.

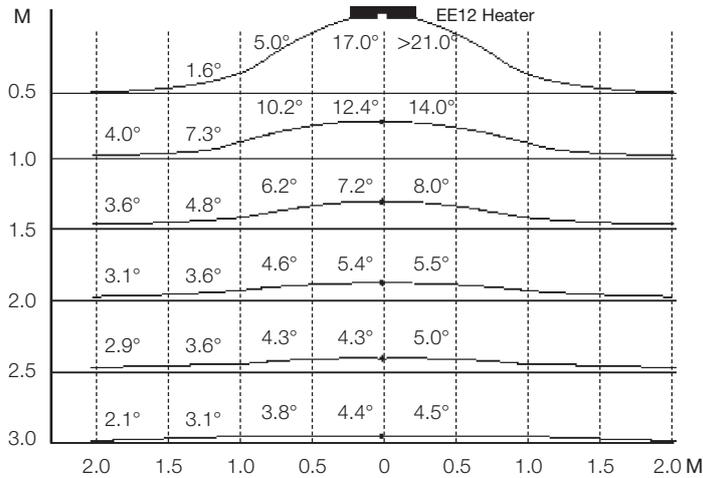
The stainless steel elements are single-ended to eliminate electro-magnetic fields and can be replaced without dismantling the heater. Simply unscrew the lid, disconnect the wiring, then remove and replace the heating element if required.

Colour

Colour also offers many options, as ENERGOSTRIP heaters can be supplied powder-coated to almost any colour as an optional extra. This allows them to discreetly and unobtrusively blend into the decor of any room. The standard colour is RAL9016 which is a warm white.



Typical Heating Graph – EE12



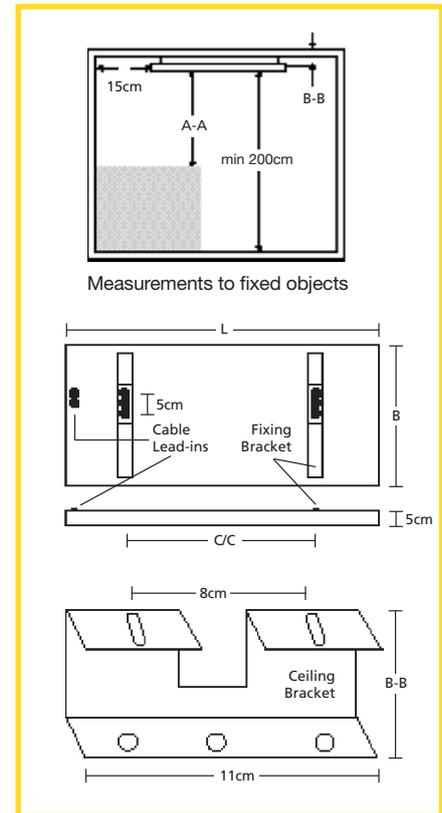
The graph shows data on approximate over-temperature (surface temperature in °C) in a room with a ceiling height of 3 metres. When several ENERGOSTRIP heaters are overlapping each other, the surface temperature is higher than when using one heater.

Installation

ENERGOSTRIP is easily installed directly onto the ceiling with the supplied brackets and is mounted level and parallel with the ceiling. If the ceiling is pitched, the heaters should be mounted at right angles to the pitch throughout the heater length, to give an even heat spread. *Note: Terminal at lower end.* ENERGOSTRIP heaters come in a size range for installation on ceilings ranging in height from 2 to 30 metres.

ENERGOSTRIP heaters comply with AS/NZS3103:1993; AS/NZS3350-2-30:1997A1; NZS2772.1:1999 Radio Frequency Field Part 1. 5 year manufacturer's warranty.

Colour: RAL9016. IP44 Spray-safe design for wet and dry areas.



Mounting Heights

Model	Ceiling Height (metres)
EE6, EE8, EE10, EE12	2.4
EE12, EE16, EE18	2.7-3.5
EE20, EE24, EE30	3.5-5.0
EE30, EE36, EE42	Above 5.0

Configuration (elements)	Type	230-240V (W)	L	B	H	C/C (cm)	A-A	B-B	Kg
1	EE6	600-655	96	16	5	60	30	4	5.0
	EE10	1000-1090	168	16	5	103	30	4	8.0
2	EE8	800-870	65	29	5	37	30	7	6.0
	EE12	1200-1310	96	29	5	60	30	7	8.5
	EE16	1600-1740	136	29	5	82	30	7	11.5
	EE20	2000-2180	168	29	5	103	30	7	14.0
3	EE24*	2400-2610	168	29	5	103	30	7	14.0
	EE18	1800-1962	96	43	5	60	30	7	12.0
	EE24	2400-2610	136	43	5	82	30	12	16.5
	EE30	3000-3270	168	43	5	103	80	12	20.0
	EE36	3600-3924	168	43	5	103	80	12	20.0
	EE42*	4200-4444	168	43	5	103	80	12	20.0

EE24* : New twin element model available
EE42* : Limited stock held in NZ (indent only)

L=length; B=breath; H=height. "A-A" is height from nearest object

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