MAX
NATURAL STONE
RADIATORS

Sustainable Natural Heating.

MADE IN ITALY

UNIVERSITÀ DI TRENTO
Dipartimento di Ingegneria Industriale

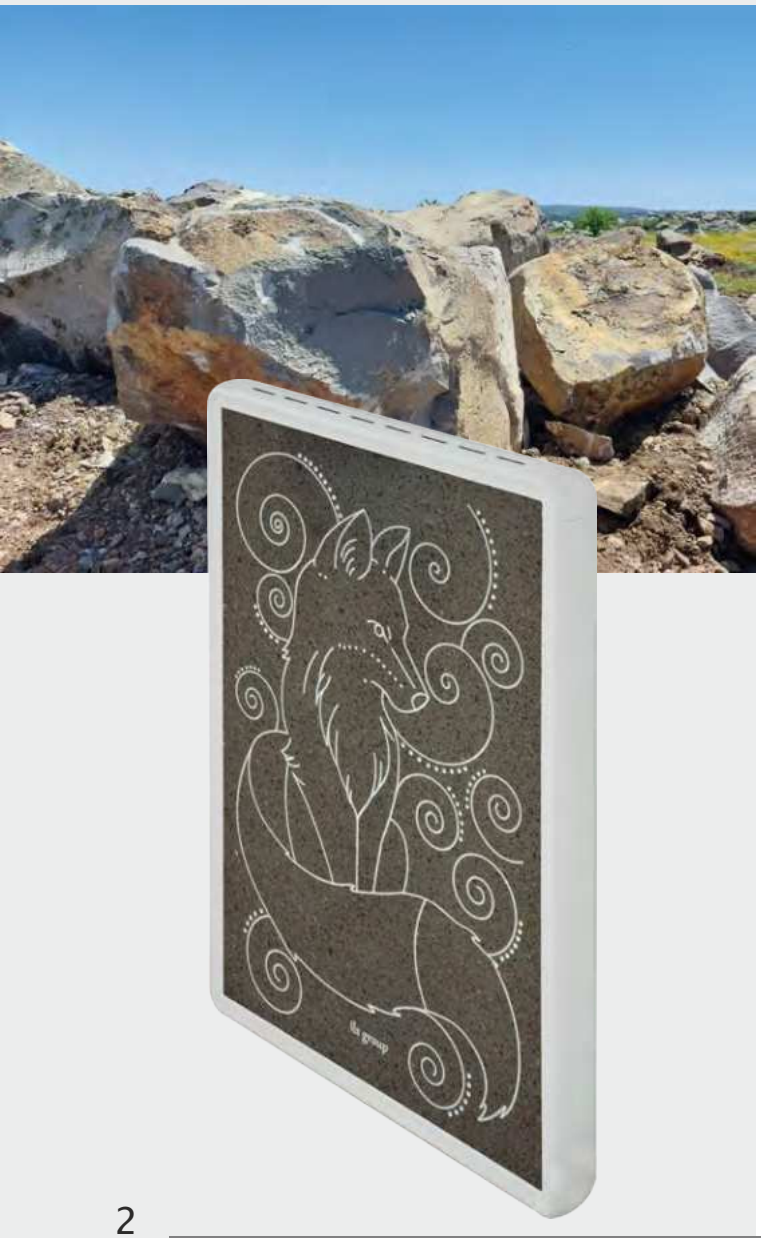
GRAMMO

Certificazione di sicurezza IMQ

CE ®

Experience the pinnacle of Natural Heating with MAX Lava Stone Electric Radiators.

Crafted from authentic basaltic lava, where sustainable heating meets cutting-edge thermal technology.



The radiant heating panel known as MAX features a truly innovative design and is the result of years of experience by ILS GROUP Srl, a company specialized in developing advanced components and systems for residential and commercial heating. MAX is not just efficient—it delivers remarkable thermal performance, receiving outstanding technical evaluations. What makes it even more extraordinary is that its high thermal output continues even after the unit is turned off, thanks to its heat-retaining lava stone plates. These plates are made of basalt lava, a natural material extracted from a submarine volcanic formation over 20 million years old. This rare stone can withstand temperatures of up to 1,000°C without any alteration, a property that no other material on the market can match. Thanks to these unique qualities, MAX ensures energy savings of over 65%, making it a one-of-a-kindsolution in the world of sustainable and ecological heating.

KEY BENEFITS

Innovative design

High energy saving

Dual heating system: radiant and natural convection

Exclusive decorative element

Can be enhanced with a wide range of refined finishes

Eco-friendlyand sustainable (Green)

The colors shown in this catalog may vary as they are made exclusivelyby hand.

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HOW IT WORKS

When the heating element embedded within the panel's layered structure is powered by electricity, it warms the two lava stone plates surrounding it. These plates then release heat through two natural processes:
Natural Convection: The air around the panel warms up, rises through the metallic structure, and is released through the upper part of the panel.
Radiation: The front lava stone plate radiates heat directly outward, warming the space in front of it naturally and evenly.
Thanks to the high thermal mass of lava stone, the heat is gradually accumulated and released slowly, ensuring a stable and uniform temperature over time—even after the panel has been turned off.
This heating method is especially beneficial for health: it does not involve forced air movement and the heating element does not burn dust particles in the room.
The temperature is controlled via an electronic board developed by ILS. Thermocouple sensors placed behind the front panel monitor and regulate the optimal heat output.

Frame colors

- Light grey
- Blackish grey

Decoration colors

- Bronze
- White
- Black
- Cyan

MAX NATURAL STONE RADIATORS

SUN AND MOON

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

MAX NATURAL STONE RADIATORS

DONNA

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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Bespoke Decorative Elements

MAX Radiator blends heating performance with style, offering ceramic or screen-printed finishes.

Complements both classic and modern interiors, becoming a functional and elegant decorative piece.

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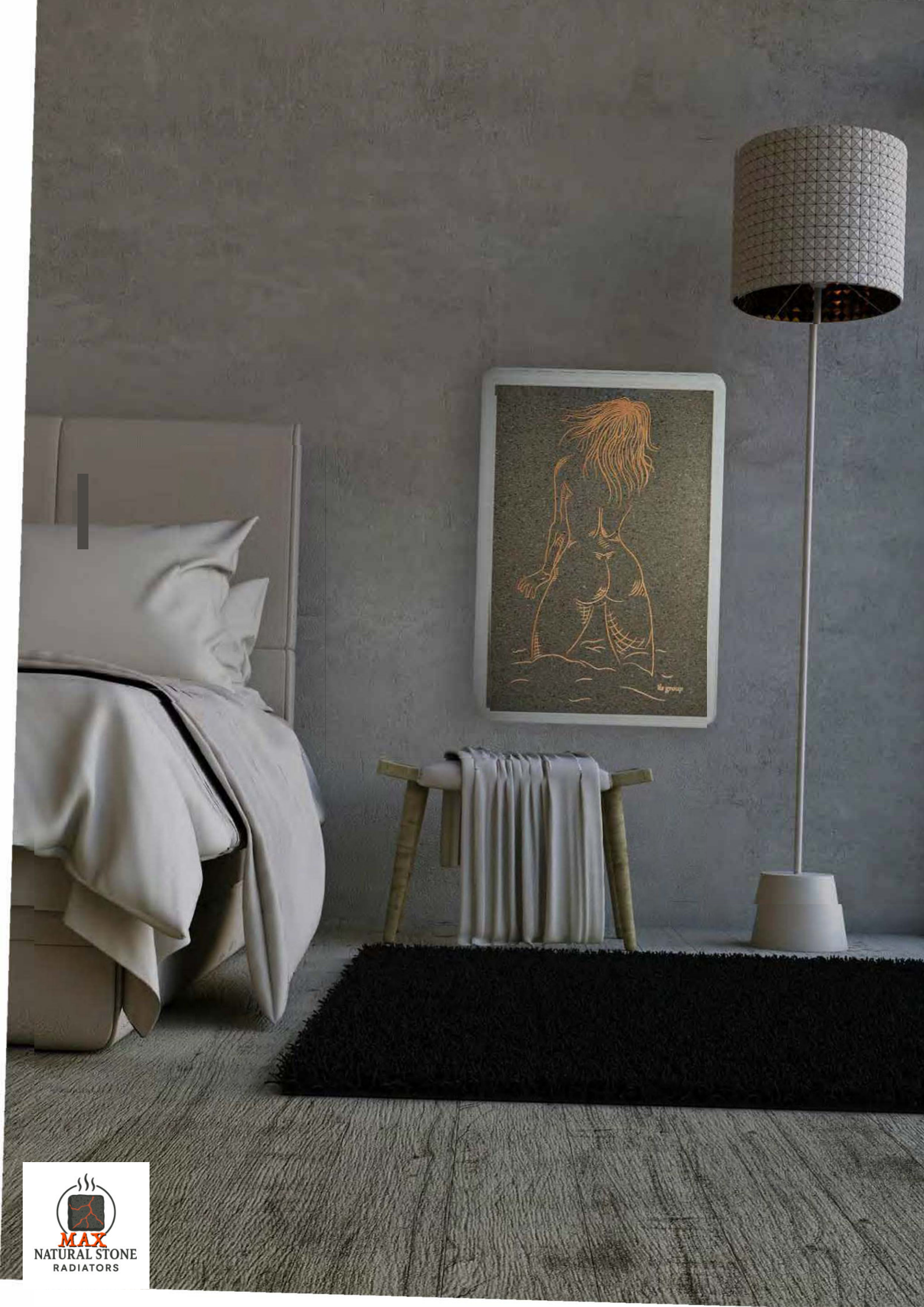

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FLORAL

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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FOX

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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Know-How

MAX Radiators was created to revitalise the production and sale of **handcrafted lava stone products**. With 60 years solid experience and technical know-how, we support engineers, architects, and designers with tailor- made solutions.

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BAROQUE

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

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SICILIAN HEAT

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

MAX NATURAL STONE RADIATORS

Renewable ready.

Combines thermal accumulation, natural convection, and radiant heating for consistent, long-lasting warmth.

Renewable ready, ideal for pairing with solar panels, it reduces energy consumption while maintaining comfort.

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* Colour customisation
on request

NATURE

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WINTER SONG

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

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SUMMER SONG

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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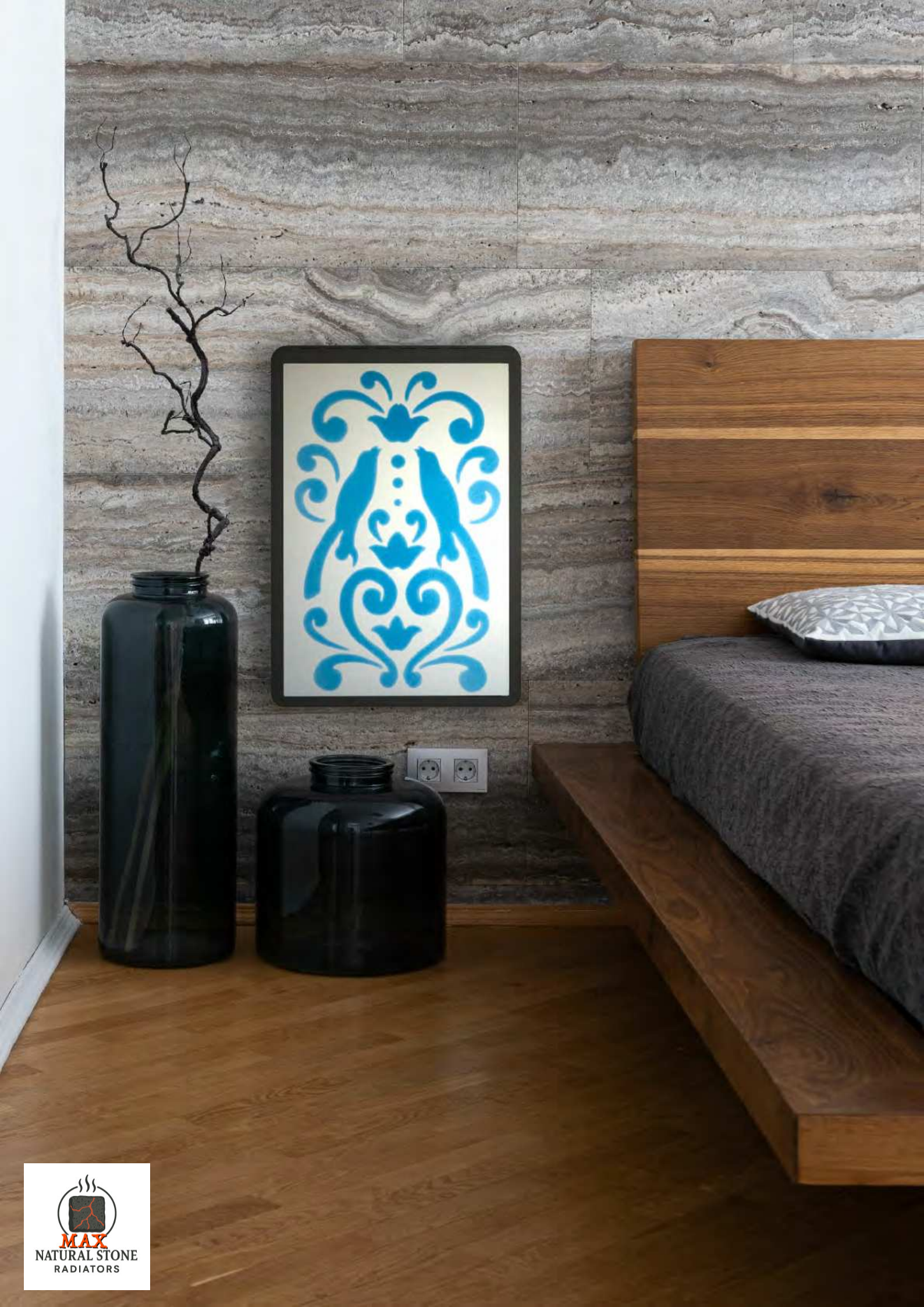
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Natural lava stone electric radiator

MAX Designer Radiators is a high-efficiency radiant panel that stands out for its exceptional performance. Its most remarkable feature is its ability to deliver high thermal output even when turned off, thanks to its heat storage capability. It gradually releases stored heat into the room, maintaining a comfortable and uniform temperature. This innovation makes it unique, offering continuous thermal comfort without needing to stay powered on.

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WINTER RAYS

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

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BLOSSOMED WARMTH

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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HAMMERED RAYS

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

LAVA SUN

Stove type:
Electric storage system

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

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* Personalization and colored ceramicization on request

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Natural Basalt Lava.

The MAX uses basalt lava, a raw material sourced from a submarine volcanic complex dating back over 20 million years. This lava stone can withstand temperatures of up to 1,000°C without alteration, giving the panel unmatched thermal efficiency that other materials simply can't achieve.

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RAINBOW SUN

Heater type:
Energy storage system (ESS)

Characteristics:
Lava stone plates and an electric heating element are housed within a metal framework, enclosed at the front by a decorated lava stone panel finished with colored ceramic enamels.The entire structure is framed on the sides, top, and bottom with painted aluminum, and backed by a steel panel.

Heating system:
Thermal accumulation system based on radiant and natural convection heating.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230-50Hz

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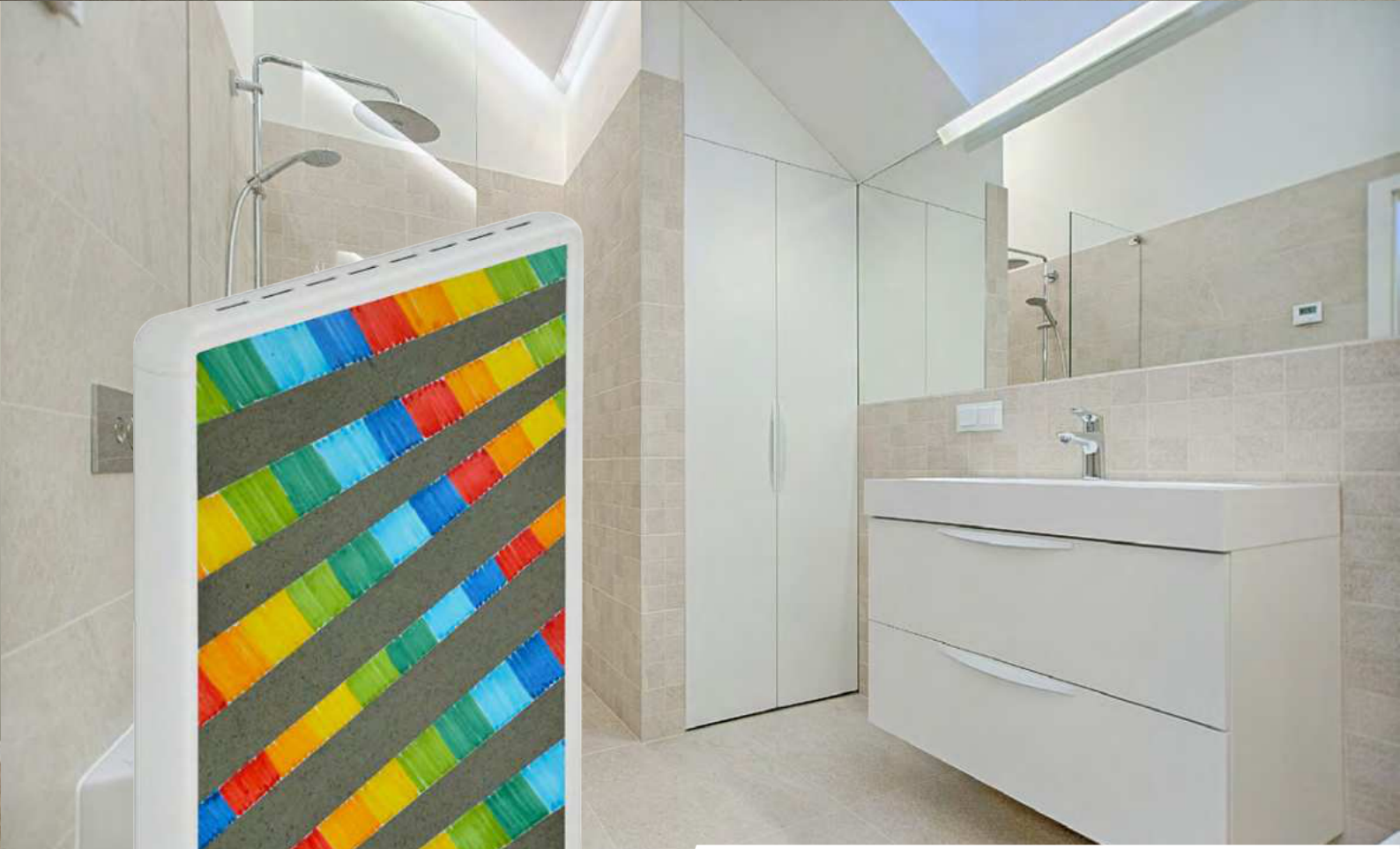

SOLAR RAYS

Characteristics:
Slabs of lava basalt and electrical resistance held by a metal structure, contained by a front slab, in lava basalt, decorated with colored ceramic enamels.
The elements are contained laterally, above and below by a painted aluminium frame and at the rear by a steel sheet.

Heating system:
Accumulating heating system for radiation and natural convection.

Height (H)	78.5 cm
Width (L)	54 cm
Depth (P)	8.28 cm
Weight (Kg)	45
Power (W)	2000
Voltage (V)	230–50Hz

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Quality and reliability as a standard.

We innovate and we care.

We work closely with the design and manufacturing process to ensure our products are not only beautifully designed in Italy, but also use only superior, exceptional certified **European components.**

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From your imagination to reality, we offer full-service Heating Design.

Ready to upgrade your heating system?
Book a free call-back consultation with one of our friendly experts. Just fill out the short form below—we'll get in touch to explore the best solution for your needs.

Peek Into Our Exquisite Decorative Heating solution

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