

HEATSTRIP™





reddot design award
winner 2010



Designpreis
Deutschland
2011

NOMINIERT

hot surface

A close-up, vertical view of the slatted surface of a HEATSTRIP heater, showing the texture and depth of the slats.


HEATSTRIP™ – COSY WARMTH

HEATSTRIP™ is based on an innovative radiant heat concept; it is developed and produced exclusively in Germany. Unlike traditional infrared heaters, **HEATSTRIP™** does not emit any disturbing red light and features the dim functionality. Our special zero-light infrared technology allows one to create a comfortable and warm atmosphere without any disturbing light at all. **HEATSTRIP™** offers a beautifully shaped solution to heat effectively covered outdoor areas like terraces, marquees, smoking areas, conservatories, winter gardens or wellness areas.

A TECHNOLOGY INSPIRED BY THE SUN

HEATSTRIP™ is a medium range infrared radiant heater. Infrared radiant heaters heat directly by coming through the air like sunbeams. They first warm up the surface of materials and bodies, which then heat the ambient air. Unlike conventional heaters and gas patio heaters, **HEATSTRIP™** creates a very nice and warm atmosphere with hardly any heat loss due to rising heat.

The heater emits enough radiant heat for the warmth to diffuse over distances of up to 3 meters. The key element of this technology is to precisely heat up the bodies located inside the radiation bandwidth, i.e. without heat losses.

A photograph of an outdoor patio area. In the foreground, a rustic wooden table is set with a glass of water, a pitcher, and a tray of lit candles. Two wooden benches with tufted cushions are positioned around the table. The background features a brick wall and a large window looking out onto a sunset scene with trees and buildings.

AREAS OF APPLICATION

- Food & Beverage Outdoor seating
- Tents, Pavilions & Gazebos
- Residential Properties
- Covered Terraces & Balconies
- Porches & Smoking shelters
- Winter Gardens
- Event & Exhibition areas

CONSTRUCTION

BENEFITS

Slick design and shape

- no disturbing red light yet using infrared technology
- unique design flexibility

Effective and comfortable

- uniform heat distribution
- precise adjustability
- extremely heat efficient
- feeling of being indoors
- low decibels
- weather-resistant

Economical to run

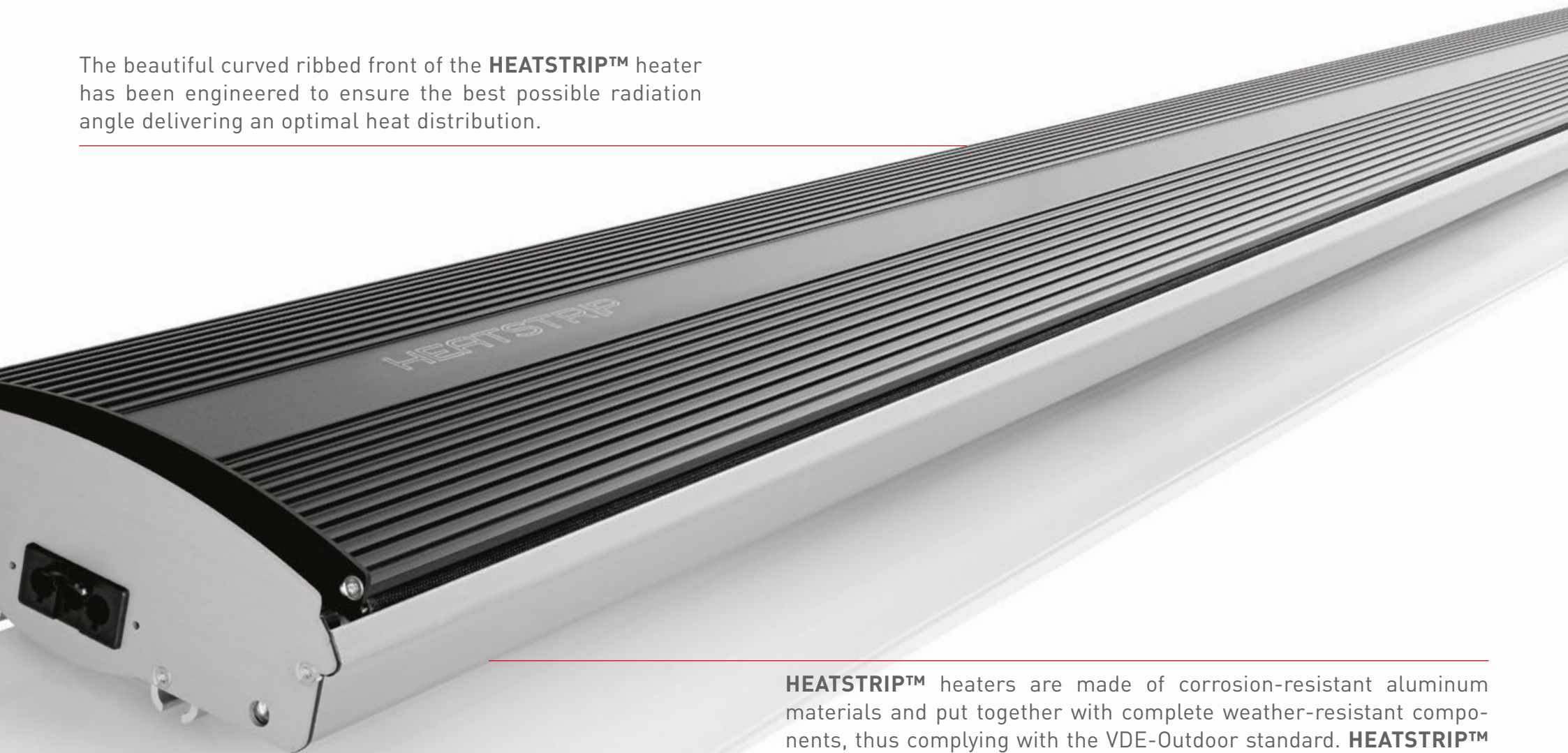
- no need to exchange illuminant
- no maintenance cost

The new **HEATSTRIP™** consists of anodized aluminum profiles which were thermally separated by means of an innovative mechanism: the front of the radiator generates optimal radiant heat at up to 380 °C, while the back of the device reaches a maximum of 90 °C as it barely absorbs energy. As a result there is only a very low energy loss for an utmost cosy warmth.

The low temperature at the back of the heater enables one to fix the **HEATSTRIP™** on all non-combustible materials. For wood and other combustible surfaces, adjustable and fixed mounting brackets ensuring sufficient distance to the mounting surface are available as accessories.



The beautiful curved ribbed front of the **HEATSTRIP™** heater has been engineered to ensure the best possible radiation angle delivering an optimal heat distribution.



HEATSTRIP™ heaters are made of corrosion-resistant aluminum materials and put together with complete weather-resistant components, thus complying with the VDE-Outdoor standard. **HEATSTRIP™** is consequently perfectly safe to be used in covered outdoor areas, in coastal regions and even in swimming pool areas. Special weather shields made of stainless steel are also available for use in uncovered outdoor areas. **HEATSTRIP™** heaters and all available accessories are certified protection class 4 (IP-X4).

HEAT DIFFUSION

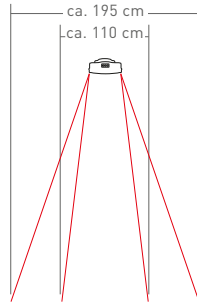
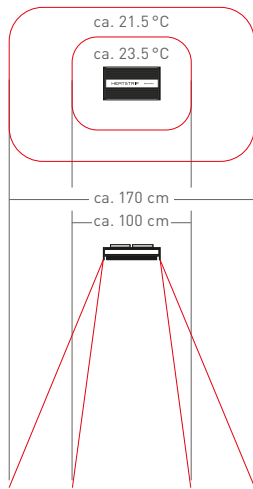
RECOMMENDATIONS FOR INSTALLATION

- Mounting height:
2.10 m – 2.50 m, max. 3 m
- Orientation of the radiant heater directly towards people > use of adjustable mounting brackets (see Accessories)
- Additional wind protection measures with 3-sided open terraces

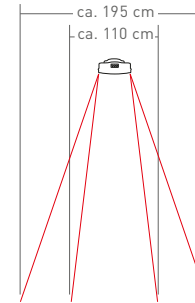
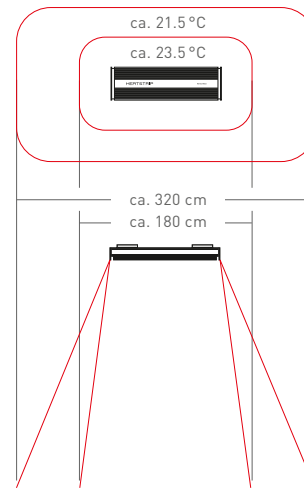
The heat distribution depends mainly on the mounting height, ambient temperature and the setting of the terrace. **HEATSTRIP™** is indeed most effective in a covered and 3-sides closed patio area or in a conservatory rather than set up in an open space exposed to wind. Although the wind has no effect on the infrared rays, the air temperature is felt lower than it actually is in outdoor unprotected areas.

In such areas, we recommend to take additional measures for wind protection.

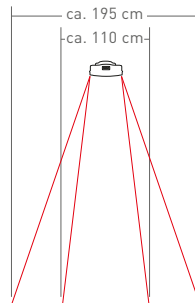
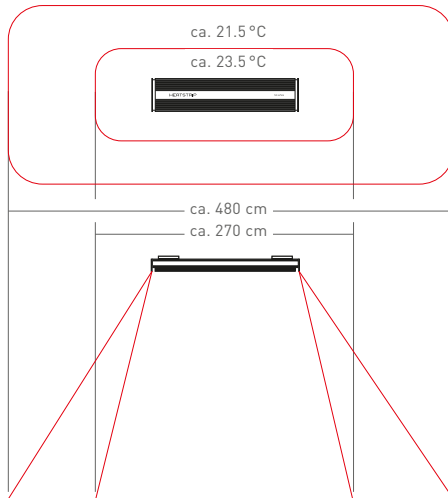
HEATSTRIP™ MHS 600



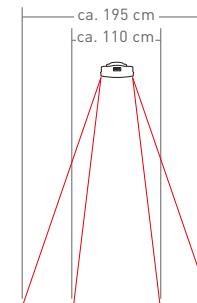
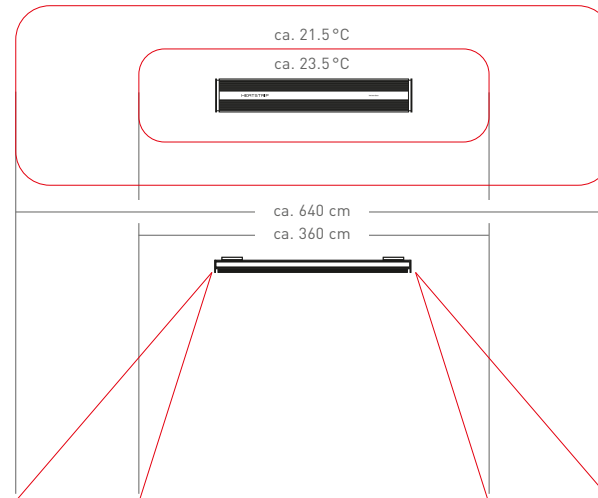
HEATSTRIP™ MHS 1800



HEATSTRIP™ MHS 2400



HEATSTRIP™ MHS 3200



Measurements in a closed windless space; ambient temperature: 16.5°C, mounting height: 2.50 m.

HEATSTRIP™ MODELS

HEATSTRIP™ is available in 4 sizes catering to customers with different installation requirements.

MODELS

HEATSTRIP™

MHS-600

Maximum power: 600 W
Power cons.: approx. 2.5 A
Dimensions: 60.0 x 16.9 x 7.5 cm (L x W x H)
Cable: 1.5 m long, 3 x 1.5 mm² with safety plug, heat-resistant up to 170 °C, length of plug at radiator approx. 8 cm
Weight: 3.0 kg



HEATSTRIP™

MHS-1800

Maximum power: 1,800 W
Power cons.: approx. 8 A
Dimensions: 100.0 x 16.9 x 7.5 cm (L x W x H)
Cable: 1.5 m long, 3 x 1.5 mm² with safety plug, heat-resistant up to 170 °C, length of plug at radiator approx. 8 cm
Weight: 5.0 kg



HEATSTRIP™

MHS-2400

Maximum power: 2,400 W
Power cons.: approx. 11 A
Dimensions: 150.0 x 16.9 x 7.5 cm (L x W x H)
Cable: 1.5 m long, 3 x 1.5 mm² with safety plug, heat-resistant up to 170 °C, length of plug at radiator approx. 8 cm
Weight: 8.0 kg



HEATSTRIP™

MHS-3200

Maximum power: 3,200 W
Power cons.: approx. 14 A
Dimensions: 200.0 x 16.9 x 7.5 cm (L x W x H)
Cable: 1.5 m long, 3 x 1.5 mm² with safety plug, heat-resistant up to 170 °C, length of plug at radiator approx. 8 cm
Weight: 10.5 kg



HEATSTRIP™ LIGHT

HEATSTRIP™ LIGHT

When ordering the **HEATSTRIP™** Light, the standard wall mounting set includes two radio receivers MHS-FBM (one controlling the **HEATSTRIP™** heater and one the lights), one remote control and the necessary bulbs. The light and the radiant heater can be controlled and dimmed from the same remote control. The light frame is also available separately as an accessory.

HEATSTRIP™

LIGHT 1800 (photo MHS-LGHT10)

Maximum power	1,800 W / 8 A
Power of the light:	8 W / 0.05 A
Light:	6 Bulbs at 1 W / MR16 (can be fitted with max. 2 W / Bulb)
Lumen:	6 x 30 Lumen
Color temperature:	3000 K (warmwhite)
Dimensions:	141.5 x 47.0 x 12.0 cm
Cable:	2 cables with safety plugs, 1.5m long
Weight:	16 kg



HEATSTRIP™

LIGHT 2400 (photo MHS-LGHT15)

Maximum power	2400 W / 11 A
Power of the light:	12 W / 0.08 A
Light:	8 Bulbs at 1 W / MR16 (can be fitted with max. 2 W / Bulb)
Lumen:	8 x 30 Lumen
Color temperature:	3000 K (warmwhite)
Dimensions:	191.5 x 47.0 x 12.0 cm
Cable:	2 cables with safety plugs, 1.5m long
Weight:	24 kg

ACCESSORIES

ACCESSORIES

The **HEATSTRIP™** collection includes many accessories enabling unprecedented applications, settings and increasing the overall comfort of use.

Radio control

Radio Receiver Module, EnOcean standard, featuring a 6-stage timer function for automatic switch-off after 0.5 to 12 hours, and 3 radio-controlled power settings. Including LED display for programming mode, power setting, ON and Standby operating modes. Each receiver can respond to a maximum of 28 different transmitters or remote controls.

MHS-FBM



MHS-FBWS

Battery-free wall-mounted remote control (radio transmitter for wall-mounting), with 1 or 2 switches to control up to 2 different heaters or groups of heaters.

Battery-free hand-held remote control (radio transmitter), with 4 switches to control up to 4 different heaters or groups of heaters. This product is also available with 6 switches.



MHS-FBHS

Connecting element

If you wish to hide the power cable coming out from the side of the heater, you can use the connecting element to hide and direct the cable to the back of the device. When installing several **HEATSTRIP™** heaters, use the connecting element to create a seamless line of heaters side by side.

MHS-ESM



Weather shield Protection

Ready-to-use weather shields made of stainless steel are available for all 4 sizes of heaters. The weather shields will protect the heater and the radio receiver or the connection element when used together with the heater. The weather shields are highly recommended when installing **HEATSTRIP™** heaters in uncovered outdoors areas.

MHS-WS



Wall brackets

(highly recommended for wall mounting):

0° to 90° adjustable wall-brackets.

45° fixed mounting bracket, made of V4A stainless steel, suitable for use with the fixing attachments included in the basic mounting kit delivered.

All brackets are delivered in pairs and are also suitable for use with weather shields.



MHS- WH45



MHS-WHSL

ACCESSORIES

Fixing rods for ceiling installation

55 mm-fixing rod: ensures safe distance to combustible materials. 55 mm long including mounting bracket. Also available in 85 mm length (MHS DAH6).



MHS-DAH3



MHS-DAH50

545 mm-fixing rod: Aluminium fixing rods (which can be used together with extensions if needed) are also available to hang the heater to the ceiling at the optimum mounting height (2.5 m) when the ceiling is too high. 545 mm long including fixing attachments.

Also available in 345 mm length (MHS DAH30). Special sizes available upon request. Extension by 300 mm or 500 mm available (MHS-DAHV30 and MHS-DAHV50).

Hinge joints for ceiling mounting: It is highly recommended to use these mounting devices when fixing the heater to sloping ceilings.



MHS-DAHGMS

Dual fixing rod: ceiling mounting device for two heaters.
Length 38 cm



MHS-DAHDOP

Mounting Tray: to flush the HEATSTRIP™ into the ceiling.
Available for all HEATSTRIP™ models in the appropriate length.



MHS-EINB



HEATSTRIP™

Made in Germany

Birstall Garden & Leisure
Birstall, Leicestershire UK
LE4 4DX

Tel: + (0) 44 116 267 7091

www.birstall.com

selected by
MOONICH
brands for atmosphere