

Infrared - the new way to heat.

welltherm®

welltherm®

Willkommen  
bei Welltherm

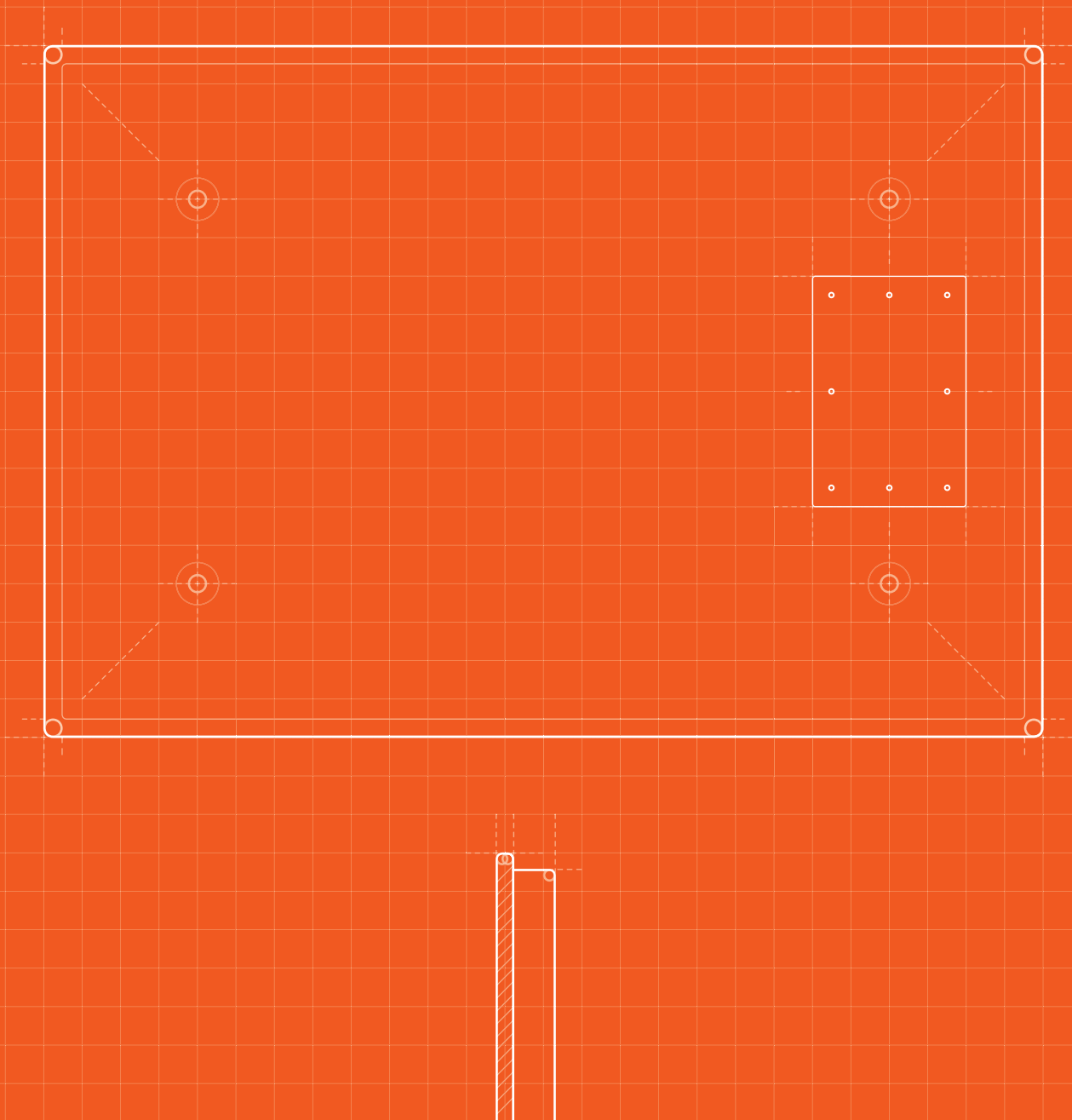
Bienvenue  
à Welltherm

Welcome  
at Welltherm

# Welcome

Operating Europe-wide Welltherm GmbH is the technically leading manufacturer of Infrared Heating Systems. We manufacture Infrared Heating Systems of the highest quality at our development and production site in Lüdenscheid, Germany.

Carefully selected components, our meticulous processing and customized production ensure ideal and sustained heating comfort. Welltherm Infrared Heating systems carry the „Made in Germany“ quality seal. Our VDE- and EMC Certification guarantee highest quality and safety of our products.



# Development

Expertise and decades of experience in the development and manufacture of heating elements for industrial applications (in laboratory equipment, medical technology and the automotive industry, among others) set us apart from the rest and form the basis of the highest standards of quality and innovation applied to our infrared heating systems. This know-how was and is fundamental to the development and continuous optimization of what is one of the most efficient state-of-the-art heating systems available. We guarantee precise temperature control to the exact degree required and unparalleled process reliability. The latest technologies, ground-breaking future visions and innovative products make us your leading partner in the field of infrared heating.

## High efficiency **ESHC®**–Technology



**ESHC (entire surface heat conductor)** – is a high efficiency heating technology developed in Germany which finds its application in the industrial process heat. **This unique technology, exclusively employed by Welltherm, covers 70% of the surface with heat conductors.** This ensures excellent heat distribution and thus a high degree of efficiency. Comparable products show a heat conductor density range of 6% to 23% on its surfaces!







## Made in Germany Quality

Welltherm infrared heating systems –  
100% craftsmanship from Germany – guaranteed!

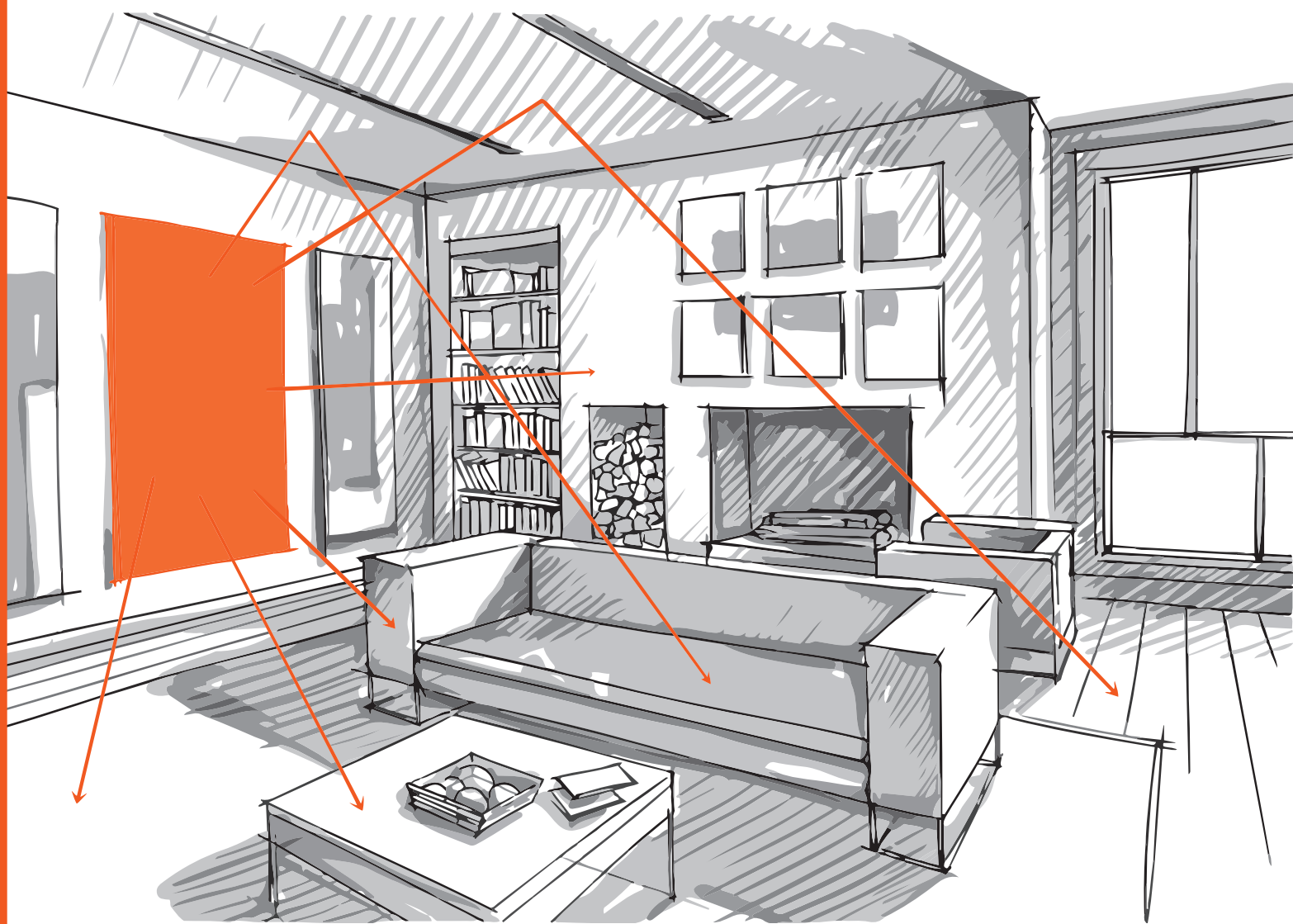
„Made in Germany“ is known worldwide to be a testament for exceptional quality. Our heating systems are hand-finished and customised products of the highest quality and value made in Germany. We rely on a combination of cutting-edge technology and traditional values to achieve perfect results for our customers. You can be assured that all our heating systems comply with all legal requirements and have been tested for certification in the areas of safety, compatibility and environmental standards with regard to the materials used.

Our heating systems comprise of carefully selected components from producers and suppliers across Germany and are manufactured at our production site in Lüdenscheid, the Sauerland region. During the manufacturing process we focus on the essentials and attune our technology to the needs of the people. In doing so, we pay attention to creating long-lasting and environmentally friendly products. The energy efficiency, the reusability of materials and the environmental compatibility of the components used are especially important during the manufacturing process.



60 months guarantee







## Infrared principle

Similar to a tiled stove infrared heating emits heat radiation which is absorbed by all solid objects/bodies in the room. A heated solid object/body stores heat up to three times longer than air and subsequently emits it back into the environment. This ensures a continuous and mutual heat exchange. The rising and cooling of air which is part of the classical convection heating is omitted to a large extent, hence your feeling of well-being increases considerably.

The low-emission heat radiation of our VDE-certified infrared heating system ensures a perpetual drying of walls thus the growth of mold hardly stands a chance. Due to the limitation of convection a significant reduction of dust in the air allows you to breathe freely again.

Its versatile installation options such as wall, ceiling or freely positioned in a room guarantee a steady and therefore efficient room temperature. Which in turn is conducive to an atmosphere of well-being and ensures an optimal room climate.





## Energy-efficient new builds

Modern properties which have significantly lower energy requirements than 20 or 30 years ago are most economically heated with infrared radiant heat – hence with electricity! Due to the higher investment costs of other heating solutions the affordable infrared heating system provides an immediate price advantage. It doesn't require decades of amortisation – YOU save from day one!

Cost comparisons leave infrared radiant heating on top even without a photovoltaic system installed. Nevertheless the installation of a PV system is worthwhile as this makes you almost independent of the rising energy costs in the future – which, by the way, will be applicable to all heating systems the same.



Our needs-optimized consultation for a new heating system based on Welltherm infrared heating systems is, of course, 100% compliant with the German energy conservation regulations (EnEV). You can rely on that.



“Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.”

*ANTOINE DE SAINT-EXUPÉRY.*



## Our products

Whether in elegant crystal white, plain black, as a panel heating, a heated mirror or printed with an image of your choice - Welltherm infrared heating elements blend discreetly into every room concept or set desired highlights. Welltherm infrared heating systems are suitable as an energy-saving alternative to night storage heaters, as auxiliary heaters, as well as full-fledged, environmentally- friendly, efficient heating systems for renovated or newly constructed properties.



**0,78 € / DAY\***

60 x 120 CM



**0,93 € / DAY\***

150 x 60 CM

22 °C

COMFORTABLE  
WARMTH

\*Calculation basis: €0.25 per kWh electricity price, 4 hours operation per day  
Panel heating, picture heating (glass with individual motif)

# Glass

## Thickness 21 mm

Distance from wall 26 mm

## Rear panel

Galvanized metal housing,  
Powder-coated, black,  
Thickness 16 mm,  
Surface temperature max. 50°C  
after 4 hrs continuous operation

## Safety switches

each unit has 2 integrated  
thermal safety switches

## 12 mm insulation

to reduce the  
background temperature

## R = 5 mm

rounded edges

## Connection voltage 230 V

## 5 mm toughened

durable safety glass  
fire resistant,  
surface temperature max.  
120 °C, Heat-Soak-Test,  
withstands 70 kJ of pressure

The flat, high-quality and permanently heat-resistant toughened safety glass is available in all RAL colours – as is the frame. All glass surfaced heaters are available with or without frames.



White crystal shine



White crystal satined



Mirror



Blackboard Panel



RAL colours



Image motif

60 x 60  
cm

90 x 60  
cm

120 x 60  
cm

90 x 40  
cm

60 x 150  
cm

40 x 150  
cm

180 x 90  
cm

150 x 75  
cm



sample frame

FORMAT IN CM	OUTPUT IN W	WEIGHT IN KG	heating capacity in sqm
60 x 60	370	9,6	5-7**
90 x 60	580	13,5	8-12**
120 x 60	780	17,3	11-16**
60 x 150	930	22	13-19**
90 x 40	360	9,4	5-7**
40 x 150	625	15	9-13**
150 x 75*	1250	28	22-23**
180 x 90*	1725	30	25-35**

\* Sizes 150 x 75 and 180 x 90 only available in white crystal shine, frameless & Mirror.

\*\* The values stated for heating capacity in sqm are non-binding. For a binding assessment of your properties individual thermal-energy needs please contact a distributor near you.





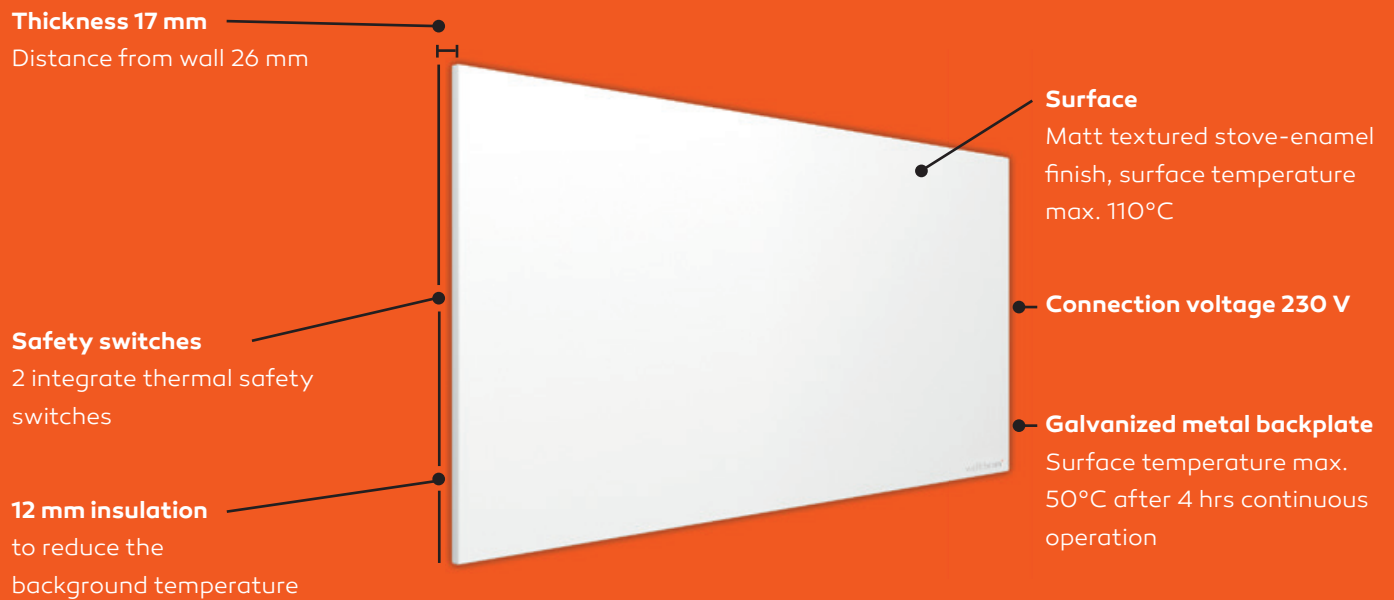


**1,02 € / DAY\***

2 pcs. 89,2 x 59,2 CM

\*Calculation basis: €0.25 per kWh electricity price, 4 hours operation per day  
Metal heating, white powder-coated RAL 9003

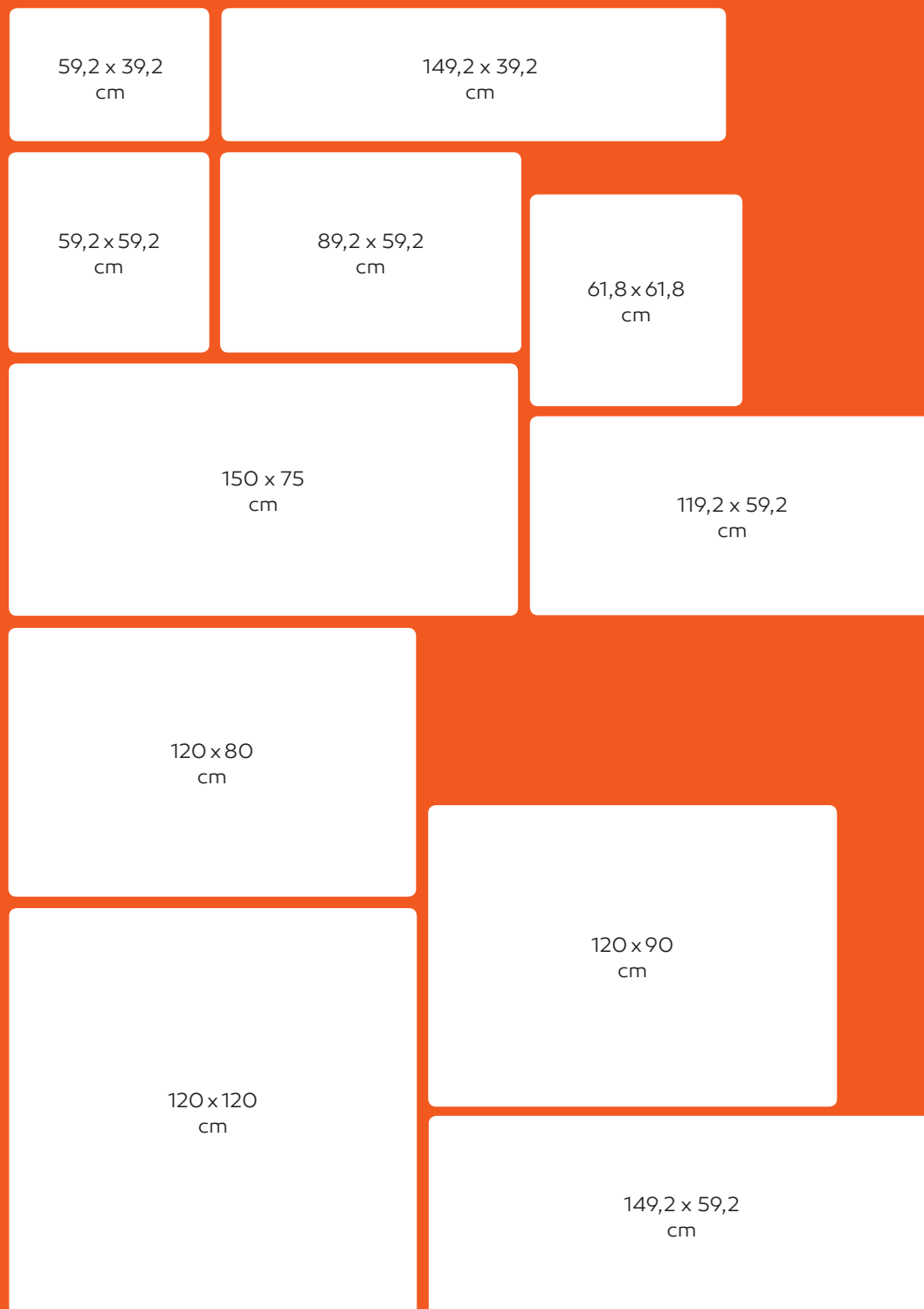
# Metal



Welltherm powder-coated metal heating systems have a very high thermal energy utilization value due to their specially coated surface. They are lightly structured, white stove-enamelled and therefore very scratch-proof and colourfast. The heating system has a particularly robust and long-lasting heating element, which heats the surface uniformly throughout.

Special thermal insulation makes the Welltherm metal heating system a highly efficient and sustainable heating system, while keeping rear heat losses to a minimum.





FORMAT IN CM	OUTPUT IN W	WEIGHT IN KG	heating capacity in sqm
59,2 x 39,2	210	4,5	3-4*
59,2 x 59,2	330	7,8	5-7*
61,8 x 61,8	340	8	5-7*
89,2 x 59,2	510	11	7-10*
149,2 x 39,2	610	10,7	9-12*
119,2 x 59,2	710	14	10-14*
149,2 x 59,2	910	17	13-18*
120x80	1000	18,5	14-20*
120x90	1100	20,7	15-22*
150 x 75	1210	21,5	17-24*
120 x 120	1410	28	20-28*

\* The values named for heating surfaces are not binding. For a binding assessment of the required heat, please contact a distributor near you.



**0,66 € / DAY\***

60 x 150 CM

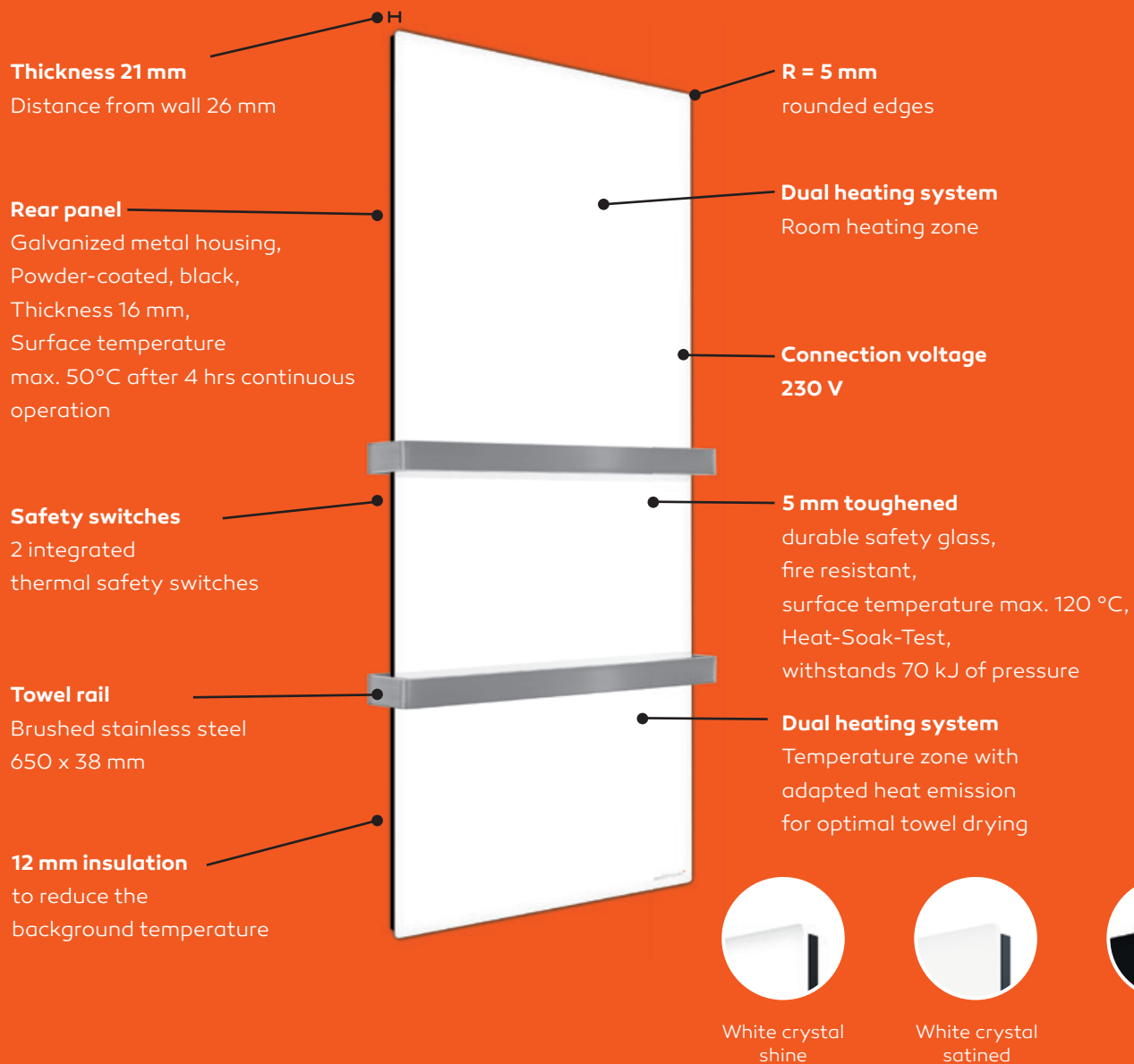


22 °C

COMFORTABLE  
WARMTH

\*Calculation basis: €0.25 per kWh electricity price, 4 hours operation per day  
Infrared bathroom heating

# Bathroom heater



Welltherm bathroom- and design-heaters represent innovative and high-quality room heating technology. They provide comfort and warmth in the bathroom and offer individual solutions for a pleasant and healthy environment. The “dual heating system” of the Welltherm infrared bathroom heating systems stands out for its innovative and unique concept which has been optimally adapted to the different requirements of room temperature control and towel drying. Two separately controlled heating zones enable the bathroom to heat up rapidly whilst simultaneously providing a reduced level of heat for drying towels hung over it. Thanks to this intelligent solution, towels are effectively dried whilst the room is heated to a pleasant and comfortable temperature with optimized energy use.

ITEM NUMBER	HEATING FORMAT IN CM	HANGER FORMAT IN CM	NUMBER OF HANGERS	TOTAL POWER IN W	WEIGHT IN KG
BKWO550	60 x 120	65 x 3,8	1	550	18,7
BKWO660	60 x 150	65 x 3,8	2	660	24,8
BKWS0550	60 x 120	65 x 3,8	1	550	18,7
BKWS0660	60 x 150	65 x 3,8	2	660	24,8
BKTA0550	60 x 120	65 x 3,8	1	550	18,7
BKTA0660	60 x 150	65 x 3,8	2	660	24,8





### Intelligent and patented control system

All Welltherm bathroom radiators are equipped with an integrated, high-quality control unit to regulate the temperature of the bathroom radiator/towel dryer, which can be easily adjusted in 5°C increments between 30°C and 70°C. The surface temperature is important to the function of a towel dryer and at the same time also determines the room temperature.

The operation of this small and visually appealing controller is simple and uncomplicated. The four different functional modes facilitate precisely timed operation and thus guarantee efficient and sustainable heating of the room.

ITEM NUMBER	DESIGN	NUMBER OF CROSS TUBES Ø 25 MM	DIMENSIONS IN CM	POWER IN W
CWA0508	Bathroom radiator with Rondo "M" heating rod	14	50 x 80	300
CWA0512	Bathroom radiator with Rondo "M" heating rod	22	50 x 120	600
CWA0515	Bathroom radiator with Rondo "M" heating rod	28	50 x 150	600
CWA0518	Bathroom radiator with Rondo "M" heating rod	34	50 x 180	900





A large industrial machine with blue and orange safety frames is shown in a factory setting. A worker in a light-colored shirt and dark pants is standing to the right of the machine, appearing to be operating or inspecting it. The machine has a large glass window showing internal components. The background shows the industrial structure of the factory with metal beams and windows.

19 °C

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OPTIMUM  
WORKING  
TEMPERATURE

High temperature heating



# High temperature

## Thickness 37.9 mm

Distance to the ceiling min.:  
300 mm

## Safety switches

2 integrated  
thermal safety switches

## 20 mm insulation

to reduce the  
rear wall temperature

High quality aluminium  
frame, brushed

Connection voltage 230 V

## 5 mm toughened glass

white crystal, durable safety  
glass fire resistant,  
surface temperature of up to  
190°C can be achieved,  
Heat-Soak-Test,  
withstands 70 kJ of pressure

High temperature heating systems facilitate the levelling out high temperature differences in the shortest possible time to achieve the desired temperature. Therefore rooms with high ceilings can be heated efficiently. Welltherm high-temperature heaters provide an optimal heating solution for car dealerships, industrial warehouses and fitness studios offering energy sports such as hot yoga.



60x60  
cm

90x60  
cm

120x60  
cm

FORMAT IN CM	OUTPUT IN W	WEIGHT IN KG	SURFACE TEMPERATURE IN °C
60 x 60	700	11	140 – 150
60 x 60	1000	11	180 – 190
90 x 60	1000	14,5	140 – 150
90 x 60	1500	14,5	180 – 190
120 x 60	1400	18,5	140 – 150
120 x 60	2000	18,5	180 – 190



## Comfortable warmth by Welltherm EnEV compliant - professionally installed

We will support you every step of the way to create a heating concept that precisely meets your needs. For just one room or the whole house – our full service package includes all the necessary steps. Numerous Welltherm sales locations throughout Germany means that everything you need can be sourced from us!



Step 1  
**Get in touch with us**



Step 2  
**Customer provides  
measurements**



Step 3  
**Needs assessment**



Step 4  
**Project planning**



Step 5  
**Installation on site**



Step 6  
**Final acceptance**

Feel free to visit us at our production site in Lüdenscheid or at any of our branches and sales offices across Germany. We will present our comprehensive product portfolio to you in our spacious exhibition spaces and would be happy to prepare a customised heating concept just for you.



# Headquarters

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