



FIRST HEATING

A TRUE REVOLUTION IN
HOME HEATING TECHNOLOGY

TECHNOLOGY



Infrared heating panels manufactured by FIRST Heating s.r.o. represent a modern and economical heating system for households, hotels, hospitals and offices, as well as catering and manufacturing facilities.

Infrared heating panels from FIRST Heating s.r.o. produce, like traditional tiled stoves, radiant heat that first warms the objects present in an area and then the air, creating a pleasant feeling of warmth and comfort in the interior.

The generation of radiant heat does not require costly air circulation, which is the principle of standard heating systems. Reduced circulation of warm air helps maintain a cleaner, dust-free environment, which is appreciated in particular by allergy sufferers.

Radiant heat feels pleasant and contributes to greater thermal comfort. Thanks to this feature, it is possible to heat a room at a temperature of about 2 °C

lower than when using standard heating. This brings considerable savings in heating costs.

The core of FIRST HEATING infrared heating panels is a unique silicone heating foil made in Germany exclusively for the FIRST HEATING company that has excellent thermal properties. The lifetime of the foil is 30 years.

The “brain” of FIRST HEATING heating panels is a special control software called FIRST (Far InfraRed Saving Technology). This system is trademarked under the brand name “FIRST”.

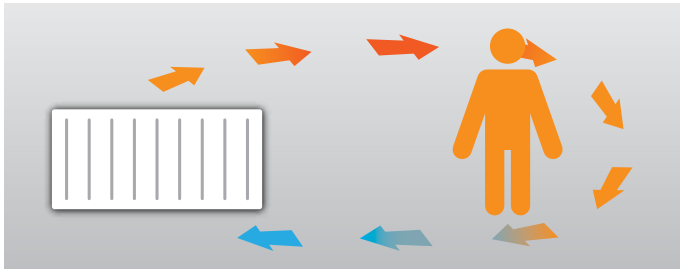
FIRST
Far InfraRed Saving Technology

THE MAIN ADVANTAGES OF INFRARED HEATING PANELS:

- › Long-term energy savings
- › Safe technology
- › Flexible and modern design
- › Easy installation – no substantial modifications of interior required
- › Affordable price
- › Maintenance-free operation
- › Intuitive control
- › No chimney or plumbing work required
- › Five-year warranty
- › Spatial flexibility
- › Absence of typical radiators saves up to 8% of residential floor space

Traditional heating

Air Circulation



Thermal air stratification

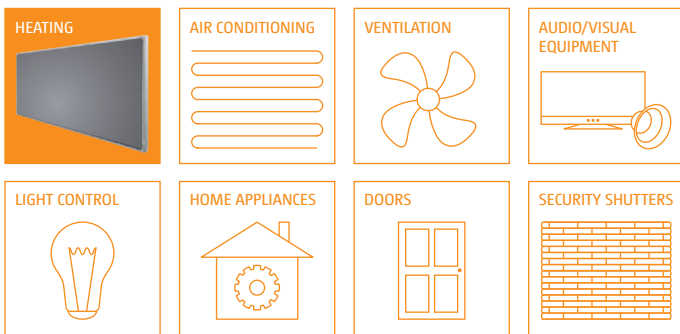


Traditional heating systems primarily warm the air in rooms and subsequently heat the objects and walls. Temperatures in these heated spaces are significantly lower near the floor than at the ceiling. The temperature difference between the floor and ceiling may be as high as 7 °C because warm air rises through convection currents, causing heat loss in occupied areas.

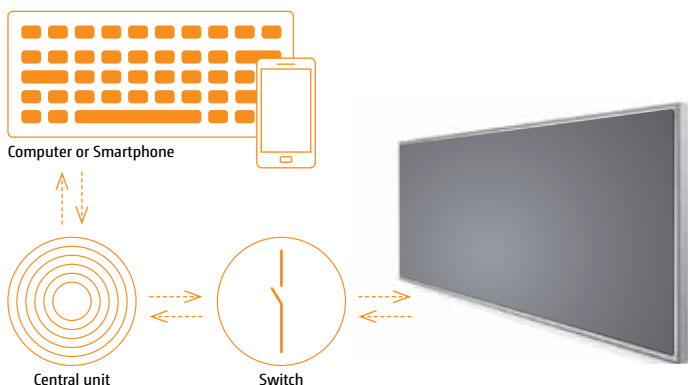
Smart homes

FIRST Heating panels can be implemented with smart systems in residential and commercial premises through actuators and temperature sensors. These intelligent systems provide the benefits of comfortable living while also being kind to our planet. You can adjust window blinds and thermostats according to the time of day, season or outdoor temperature – all for more efficient energy use. Control your thermostat from any interface – even mobile phones.

Some of these smart systems can control the functions of:

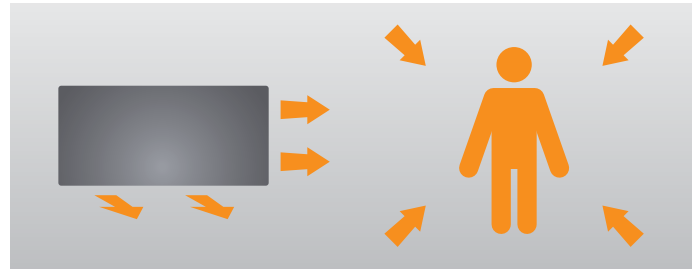


Control Scheme



Infrared panels

Air Circulation

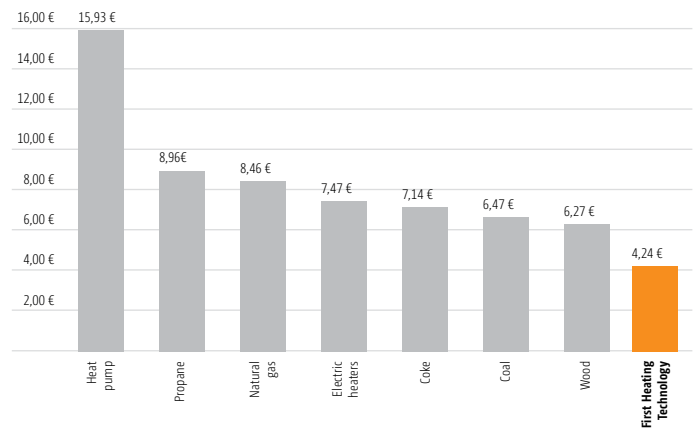


Thermal air stratification

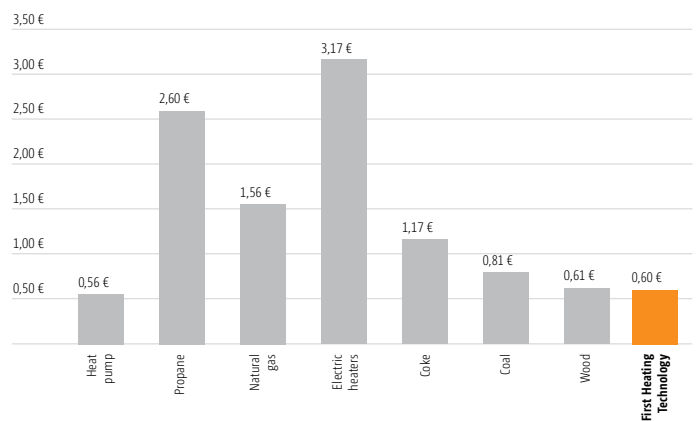


Infrared panels primarily heat the walls, floor and objects in a room. This leads to the accumulation of heat in these materials, from which the air is heated. Heated objects are pleasant to the touch and contribute to greater thermal comfort. This effect also makes it possible to heat a space at about 1-2 °C lower than with conventional heating systems. FIRST infrared heating panels emit heat evenly to the floor of the room from the ceiling. The walls of the room are warmed, dried, and tend not to mold. When using infrared panels, temperature differences between the floor and ceiling of only up to 2 °C contribute to an overall increase in space heating efficiency and reduce operating costs.

Equipment costs (thousands of EUR)



Operating costs (thousands of EUR) per 100m² of residential area



FLEXIBILITY



WIST
60 x 60

Panels can be installed either on walls or ceilings, depending on the model of the heating panel. Floor stands are also available for flexible placement of the panels.

FIRST Heating infrared panels not only have a modern design, they can also be assembled to your liking. Combinations of colours and the design of glazing, frames, and graphic features add a personal touch to each panel.

For neutral interior design, standard panels with white or black glass and aluminium frames can be used.

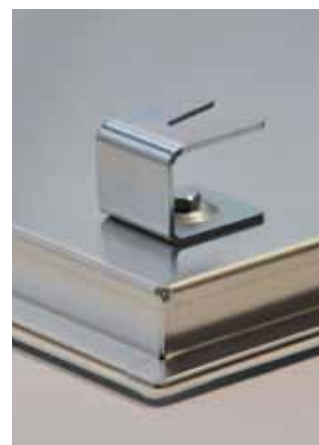
With their flexible design options, heating panels from FIRST Heating s.r.o. are both an economical heat source and a modern interior design feature.



Full-color, custom printing designs are limited only by your imagination... or your children's.



Mobile racks for wider versatility of use and easy positioning.



Universal mounting method for all panel types.

DESIGN



FIRST HEATING panels are distinguished by precise workmanship, design variations, and attention to detail. Our panels are not only an efficient heating system but also represent a suitable complement to any interior.

Create individual panel designs from your photographs or drawings!

The production technology of the heating panels by FIRST HEATING enables extensive graphic variability of the final products. The frames are available in any of the RAL colours or in elegant aluminium. The graphic design of the panel flat surfaces provides choices from a single-colour surface to coloured glass according to the RAL colour chart and even photographs. The panels can be decorated with graphics supplied by the customer. The standard surfaces offered include special hardened mirrors that are suitable for use with FIRST HEATING panels.

The technical specifications for the customer's graphics are available on our website www.firstheating.com

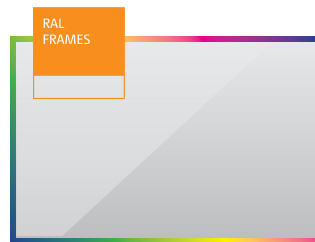
We place great emphasis on detail during assembly. Every fold, joint and connection is made precisely so that each panel exceeds the most demanding of standards.

The final design is up to you



Basic surface

- White gloss or frosted glass
- Black gloss or frosted glass
- Mirror



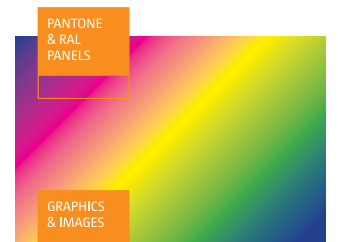
Aluminium frame

- In its basic design the frame is made of aluminium
- Aluminium frames can be ordered in any colour according to RAL colour chart



Single-colour glass

- White and black glass in basic variant
- Mirrors



Coloured and printed glass

- Glass in more than 80 RAL colours may be supplied upon request
- Photographs from current offer
- Individual design according to customer's graphics (photographs, drawings, etc.)

BASIC



Products in the BASIC series have a high glass surface temperature (up to 160 °C) and are designed for immediate heating of premises. These panels are installed on the ceiling or on the wall at a minimum height of 180 cm.

BASIC heating panels are power-controlled using a thermostat. The panel can also be equipped with a wireless receiver that controls the panel (the thermostat and the receiver are not included).

Framed panels in the BASIC series are designed for larger premises where high surface temperature of the heating panel is desired. Higher surface temperature means higher efficiency.

The basic version of the panel comes with either white or black glass and an aluminium frame. The panels can be delivered with frames and glass in various colours according to RAL specifications. The panels can also be decorated with photographs supplied by the customer (the quality of the photographs must correspond to the dimensions of the heating panel, with image resolution being 150 dpi at print size). With their design and customisation options, the panels can satisfy the most demanding requirements of both customers and architects.

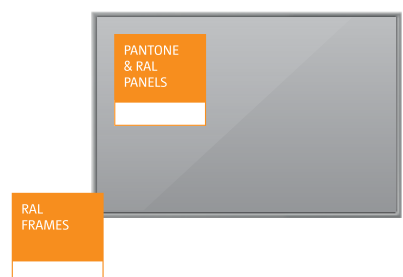
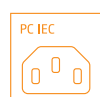
Thanks to their standardised dimensions, panels can be installed in plasterboard suspended ceilings, where these high quality and efficient heating units also represent a fine architectural feature.

The offer also includes a narrow heating panel with the dimensions of 180x30 cm that can be used, for instance, in a corner between the wall and the ceiling.



Standard black or white models provide exceptional balance in pricing and style.

Dimensions	Power	Max. recommended heated area	Wall installation	Ceiling installation
30x60 cm	230 W	5 m ²	—	YES
60x60 cm	500 W	10 m ²	—	YES
90x60 cm	800 W	16 m ²	—	YES
120x60 cm	1000 W	20 m ²	—	YES
150x60 cm	1300 W	26 m ²	—	YES
180x30 cm	650 W	13 m ²	—	YES



BASIC ELEGANT



BASIC ELEGANT panels are the designer version of **BASIC** panels. Their clean look is ensured by frameless glass panel design and excellent workmanship.

BASIC ELEGANT heating panels can generate even higher surface temperatures, reaching up to 160 °C. The temperature of the back of the panel is very low thanks to its sophisticated design, enabling installation in plasterboard suspended ceilings.

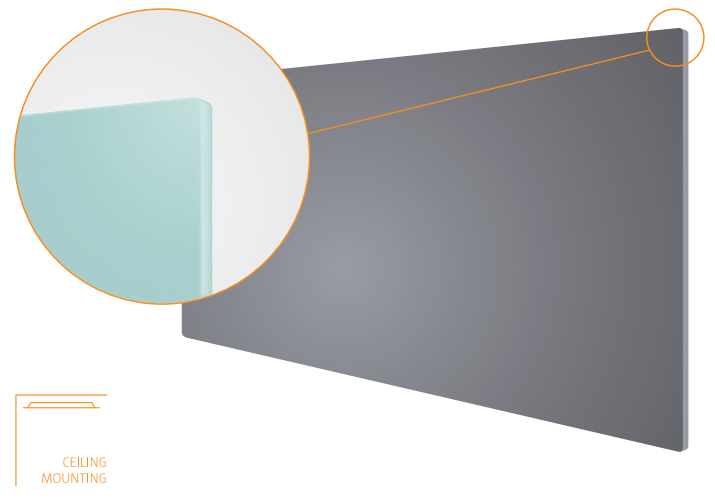
The panels are designed for users who demand both high performance and the finest design.

Dimensions	Power	Max. recommended heated area	Wall installation	Ceiling installation
30x60 cm	230 W	5 m ²	—	YES
60x60 cm	500 W	10 m ²	—	YES
90x60 cm	800 W	16 m ²	—	YES
120x60 cm	1000 W	20 m ²	—	YES
150x60 cm	1300 W	26 m ²	—	YES

S BASIC ELEGANT series panels are designed for wall installation. Their reduced heat output meets the technical safety standard for installation of heating panels at a height below 180 cm from the floor without special control devices and thermostat. This standard specifies that in case of installation on the wall, the panel surface temperature must not exceed 125 °C.

All panels of this series are equipped with a power switch on the back cover to enable easy control of the panel. **S BASIC ELEGANT** series panels are distinguished by elegance and simplicity.

Dimensions	Power	Max. recommended heated area	Wall installation	Ceiling installation
60x60 cm	330 W	7 m ²	YES	—
90x60 cm	500 W	10 m ²	YES	—
120x60 cm	660 W	13 m ²	YES	—



CEILING MOUNTING



Heating panel switch



WIST



The framed heating panels of the WIST series, in comparison to the BASIC series, are equipped with control electronics and a wireless intelligent saving thermostat (WIST) enabling installation on the wall.

WIST – Wireless Intelligent Saving Thermostat

Each package of WIST panels includes a thermostat based on wireless technology allowing considerable control flexibility. Each room has its own wireless thermostat that can be installed anywhere in the room. The WIST thermostat is powered by a replaceable AA 3.6 V battery.

Installation of the wireless thermostat in each of the rooms enables the specific setting of heating as needed. You do not have to heat the whole house or office – this contributes to further cost savings.

A single thermostat can control up to 10 heating panels in one location (maximum distance from the thermostat is 30 m, which is sufficient to control the heating panels in production facilities). The programmable thermostat allows you to set different heating modes during the day and night, and on weekdays and weekends. Thanks to this flexibility, the heating panels from FIRST Heating s.r.o. can be used in homes, houses, offices, hospitals, restaurants, and manufacturing facilities.

The permanent communication between WIST thermostat and the heating panel facilitates continuous temperature measurement and control of power consumption aimed at maximum savings and maintaining comfort.

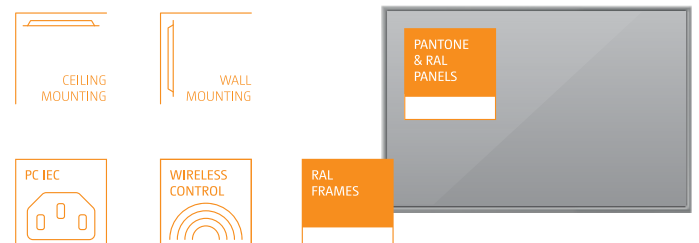
The standard version of the panel comes with either white or black glass in an aluminium frame. The panels can be delivered with frames and glass in various colours according to RAL specifications. The panels can also be decorated with

Dimensions	Power	Max. recommended heated area	Wall installation	Ceiling installation
30x60 cm	500 W	5 m ²	YES	YES
60x60 cm	500 W	10 m ²	YES	YES
90x60 cm	800 W	16 m ²	YES	YES
120x60 cm	1000 W	20 m ²	YES	YES
150x60 cm	1300 W	26 m ²	YES	YES



photographs supplied by the customer (the quality of the photographs must correspond to the dimensions of the heating panel, with image resolution being 150 dpi at print size). With their design and customisation options the panels can satisfy the most demanding requirements of both customers and architects.

All models in the WIST series are equipped with control electronics, a thermostat, a switch, a socket, and a supply cable with PC IEC connector in a plastic cover for easy disconnection of the supply cable.



WIST ELEGANT



WIST ELEGANT
60x60

WIST ELEGANT heating panels are characterised by the fine design of the frameless panels and control electronics in the form of a Wireless Intelligent Saving Thermostat (WIST).

WIST ELEGANT frameless panels feature beautiful design – the front glass surface can be supplied in standard white or black colour or in any other of the RAL colours. It can also be decorated with a photograph or graphics supplied by the customer. All panels can be fitted with a special hardened mirror.

The control electronics in the panels of WIST and WIST Elegant series monitors the surface temperature of the heating panel. This technology ensures that the surface temperature of the panel does not exceed 125 °C, which allows for the installation of the panel on the wall or on a stand.

WIST and WIST ELEGANT panels have special clamps enabling their easy installation on stands. This variability provides a wide range of use. For example, the model with a mirror placed on a moving and adjustable stand is ideal for hairdressers, clothes shops, offices, etc.

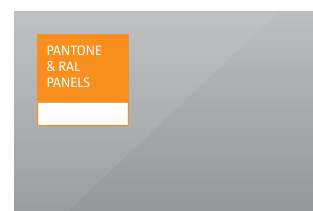
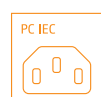
The panels are controlled with the WIST wireless thermostat, which is included in each package. The panel may also be switched on or off with its easily accessible switch.

Panels in the WIST and WIST ELEGANT series with PC IEC connector have a disconnectable supply cable. This facilitates the disconnection and removal of the panel, even if the supply cable is connected directly to the electrical box.

Dimensions	Power	Max. recommended heated area	Wall installation	Ceiling installation
30x60cm	500W	5 m ²	YES	YES
60x60cm	500W	8 m ²	YES	YES
90x60cm	800W	12 m ²	YES	YES
120x60cm	1000W	15 m ²	YES	YES
150x60cm	1300W	20 m ²	YES	YES



Elegance, versatility and sophisticated wireless control are the benefits of WIST ELEGANT series heating panels.



ACCESSORIES

FIRST HEATING wireless thermostat

- Smallest wireless programmable thermostat on the market
- Elegant design with large LCD display
- High precision control and temperature measurement with calibration
- LCD display with optional backlight
- Optimal start up for reaching the set temperature at a specific time
- 2 types of zone temperature control (PID or ON-OFF)
- Display actual or desired temperature values on LCD
- Switch between simple and advanced thermostat modes
- Many sophisticated features
- Control of 10 FIRST wireless infrared panels
- Easy installation
- Intuitive control
- Powered by a battery or from a 230V power supply
- Celsius and Fahrenheit scales for different markets
- Different program modes such as Auto, Manual, Holiday



PWRC-E power adapter

This adapter is designed for installation into an electrical box and ensures 230V power supply to the thermostat. The battery serves as a backup power source.

The thermostat with PWRC-E power adapter can control up to 10 WIST infrared panels in a wireless manner and BASIC infrared panels through cables up to a maximum of 16A.



A/ Stationary stands

- For WIST panels of all sizes. The stand size is selected according to the size of the heating panel. It is suitable for permanent placement on one spot.

B/ Mobile stand for 60 cm panels

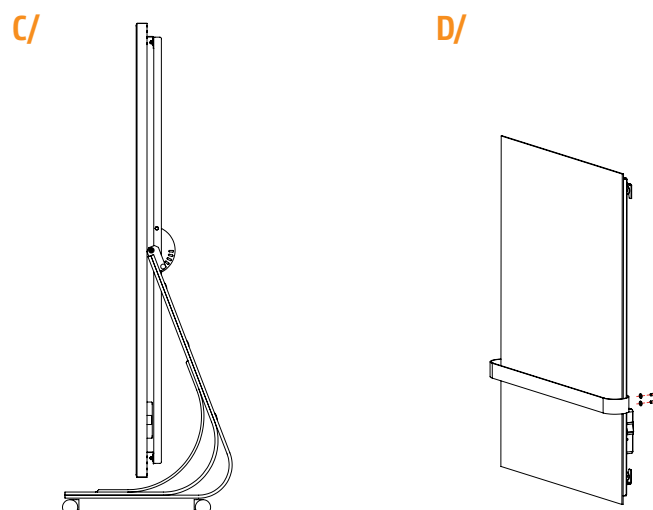
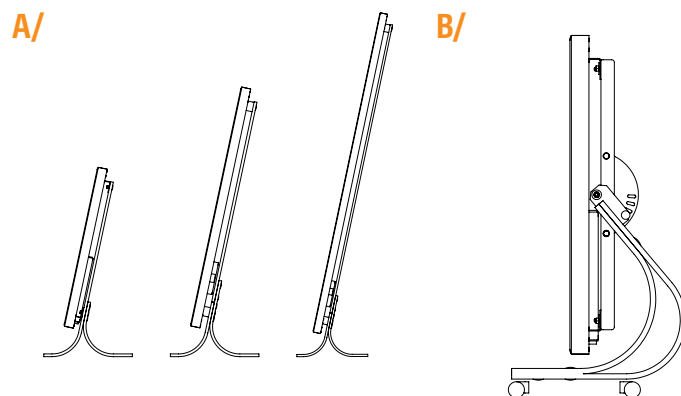
- This mobile stand for 60 x 60 cm panels has wheels that can be locked to prevent movement.
- The stand can be tilted as required.

C/ Mobile stand for panels of 90 cm to 150 cm

- This mobile stand for 90 x 60 cm to 150 x 60 cm panels has wheels that can be secured against movement. The stand can be tilted as required. The stand is ideal – for example in combination with a mirror – for commercial premises, such as hairdressers, shops or offices.

D/ Towel Rail

- A stainless steel towel rail is available for WIST Elegant and S-BASIC Elegant panels.
- Installation is easy – simply attach it with the four screws that are included. The towel rail can be placed at the top or bottom third of the panel according to order.



Panel type	Dimensions	Power	Max. recommended heated area	Version	Wall Installation	Ceiling Installation	Voltage	On/off Switch	Integrated Radio Receiver	Power Cable	Custom Glass Colors	Custom Frame Colors	Mirrors	Printed Images	Surface Temperature**
BASIC	30x60 cm	230 W	5 m ²	Al frame	—	YES	230 V	—	—	PC IEC	YES	YES	YES	YES	160 °C
BASIC	60x60 cm	500 W	10 m ²	Al frame	—	YES	230 V	—	—	PC IEC	YES	YES	YES	YES	160 °C
BASIC	90x60 cm	800 W	16 m ²	Al frame	—	YES	230 V	—	—	PC IEC	YES	YES	YES	YES	160 °C
BASIC	120x60 cm	1000 W	20 m ²	Al frame	—	YES	230 V	—	—	PC IEC	YES	YES	YES	YES	160 °C
BASIC	150x60 cm	1300 W	26 m ²	Al frame	—	YES	230 V	—	—	PC IEC	YES	YES	YES	YES	160 °C
BASIC	180x30 cm	650 W	13 m ²	Al frame	—	YES	230 V	—	—	2m*	YES	YES	YES	—	160 °C

BASIC ELEGANT	30x60 cm	230 W	5 m ²	Without frame	—	YES	230 V	—	—	2m*	YES	—	YES	YES	160 °C
BASIC ELEGANT	60x60 cm	500 W	10 m ²	Without frame	—	YES	230 V	—	—	2m*	YES	—	YES	YES	160 °C
BASIC ELEGANT	90x60 cm	800 W	16 m ²	Without frame	—	YES	230 V	—	—	2m*	YES	—	YES	YES	160 °C
BASIC ELEGANT	120x60 cm	1000 W	20 m ²	Without frame	—	YES	230 V	—	—	2m*	YES	—	YES	YES	160 °C
BASIC ELEGANT	150x60 cm	1300 W	26 m ²	Without frame	—	YES	230 V	—	—	2m*	YES	—	YES	YES	160 °C

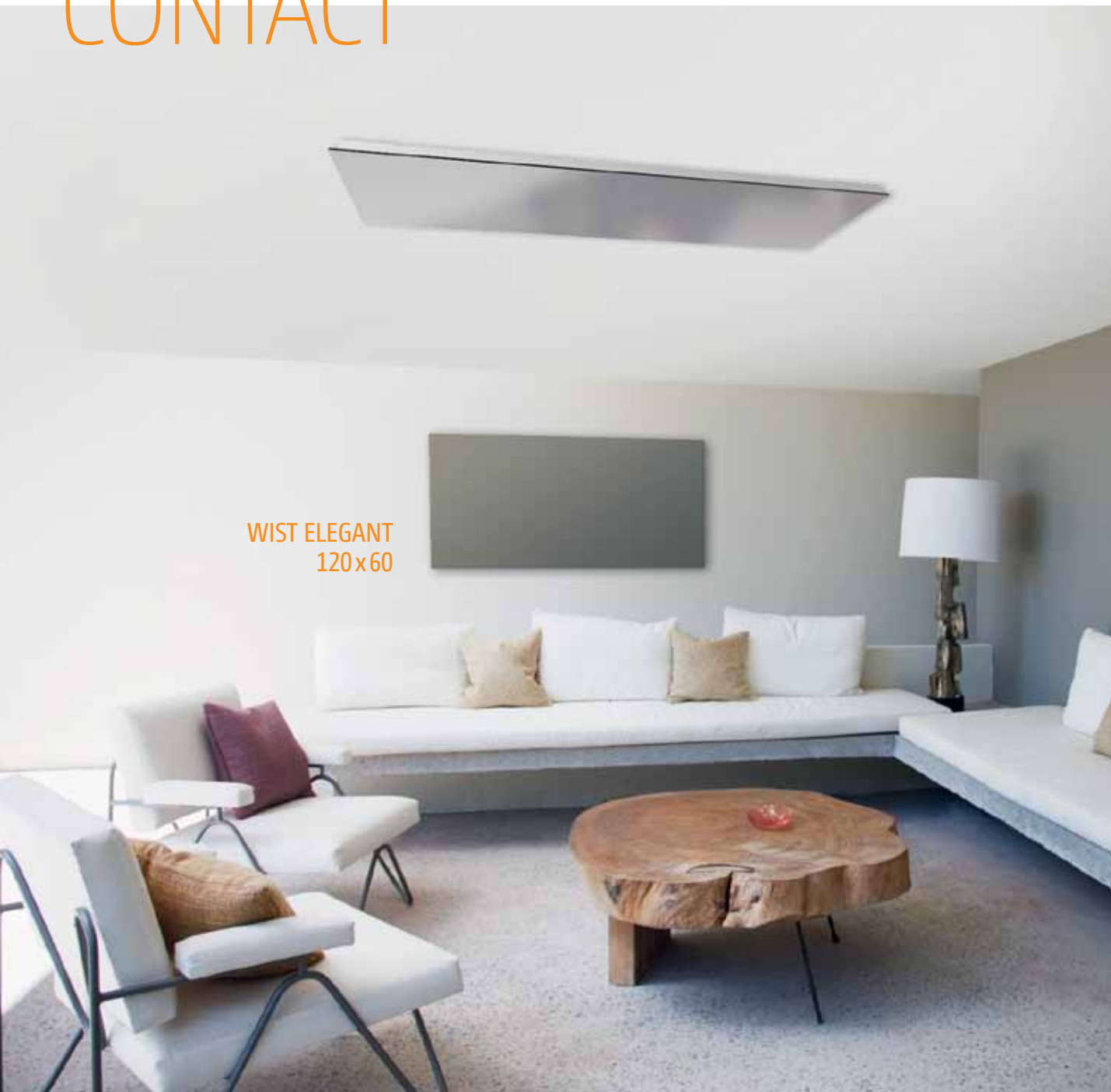
S-BASIC ELEGANT	60x60 cm	330 W	7 m ²	Without frame	YES	—	230 V	YES	—	PC IEC	YES	—	YES	YES	105 °C
S-BASIC ELEGANT	90x60 cm	500 W	10 m ²	Without frame	YES	—	230 V	YES	—	PC IEC	YES	—	YES	YES	105 °C
S-BASIC ELEGANT	120x60 cm	660 W	13 m ²	Without frame	YES	—	230 V	YES	—	PC IEC	YES	—	YES	YES	105 °C

WIST	30x60 cm	500 W	5 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	YES	125 °C
WIST	60x60 cm	500 W	8 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	YES	125 °C
WIST	90x60 cm	800 W	12 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	YES	125 °C
WIST	120x60 cm	1000 W	15 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	YES	125 °C
WIST	150x60 cm	1300 W	20 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	YES	125 °C
WIST	180x30 cm	650 W	10 m ²	Al frame	YES	YES	230 V	YES	YES	PC IEC	YES	YES	YES	—	125 °C

WIST ELEGANT	30x60 cm	500 W	5 m ²	Without frame	YES	YES	230 V	YES	YES	PC IEC	YES	—	YES	YES	125 °C
WIST ELEGANT	60x60 cm	500 W	8 m ²	Without frame	YES	YES	230 V	YES	YES	PC IEC	YES	—	YES	YES	125 °C
WIST ELEGANT	90x60 cm	800 W	12 m ²	Without frame	YES	YES	230 V	YES	YES	PC IEC	YES	—	YES	YES	125 °C
WIST ELEGANT	120x60 cm	1000 W	15 m ²	Without frame	YES	YES	230 V	YES	YES	PC IEC	YES	—	YES	YES	125 °C
WIST ELEGANT	150x60 cm	1300 W	20 m ²	Without frame	YES	YES	230 V	YES	YES	PC IEC	YES	—	YES	YES	125 °C

*without plug or connector, **±5%

CONTACT



WIST ELEGANT
120x60



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