



HYBRID 420

Ceramic heating panel

Power	420 W
Size	450 x 900 x 14 mm
Colour	Black
Operating frequency	50-60 Hz
Voltage	230 V
Weight	13 kg
Casing	Metal
Surface	Ceramics
Protection degree	IP44
Operating temperature	70°C

High-power panels are recommended to be installed in medium-sized rooms, the model provides a horizontal montage for low window sills. The best option is to combine two panels of a given size.



CONSTRUCTION

Panels are made of natural ceramics with high heat accumulation characteristics and slow heat transfer after the device is turned off. Ceramics is an ideal material for the transmission of the far-infrared waves.

HYBRID panels are monolithic devices with maximum durability. The calibrated ceramics is hermetically fixed in the device casing with the eco-friendly compound.

The polymer coated casing is made of a special width metal.

A flexible thermal cable is used as the heating element, inserted between the casing and ceramics. This cable is heat-resistant and outperforms traditional heating elements. It has a relatively low surface temperature, which ensures a long useful life.



OPERATING PRINCIPLE

A HYBRID ceramic heating panel combines two types of heating — infrared and convection. Thereby ideal conditions can be achieved — fast warming of the air and objects in the room.

A panel with a temperature of 65-70°C is an effective infrared thermal source operating in the long-wave range of 7-14 μm . Convection heat flow is formed between the wall and the panel, the back side of which is heated to 80-85°C. A high level of thermal efficiency reduces heating costs several times.

Effective even heating of the rooms provides the use of low-power panels, which are installed in the greatest heat loss zones. When heating the room with the HYBRID system, it is possible to distribute heat sources correctly, in order to avoid the excessively cold or hot zones.

