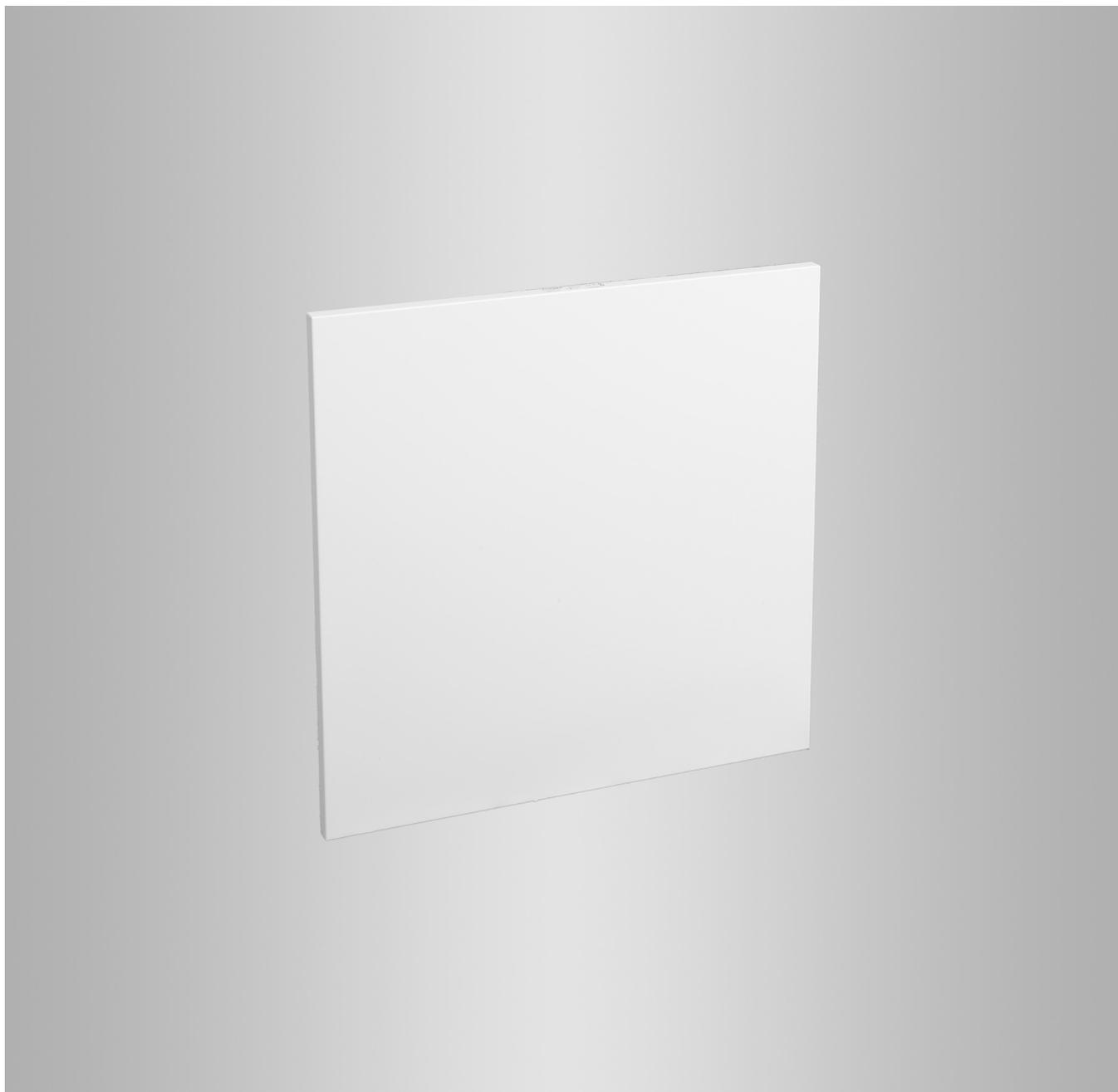


Installation instructions
for contractors



Vitoplanar E16
Type E16.A350SDM to E16.A1000SDM
Infrared heater

VITOPLANAR E16



Safety instructions

 Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained

 **Danger**
This symbol warns against the risk of injury.

 **Please note**
This symbol warns against the risk of material losses and environmental pollution.

Note

Details identified by the word "Note" contain additional information.

Target group

These instructions are exclusively intended for qualified contractors. Installation and commissioning as well as repairs and service work may only be carried out by a licensed contractor or a qualified person in compliance with all safety regulations. This person must first check whether the electrical system in the building complies with the applicable standards. The responsibility of the manufacturer is limited to the delivery of the appliance.

This appliance can also be operated by children aged 8 and older, as well as by individuals with reduced physical, sensory or mental faculties or those lacking in experience and knowledge, provided such individuals are supervised or have been instructed in the safe use of this appliance and any risks arising from it.

Regulations to be observed

- National installation regulations
- Statutory regulations for the prevention of accidents
- Statutory regulations for environmental protection
- Codes of practice of the relevant trade associations
- All current safety regulations as defined by DIN, EN, DVGW, TRGI, TRF, VDE and all locally applicable standards
 - Ⓐ ÖNORM, EN, ÖVGW G K directives, ÖVGW-TRF and ÖVE
 - Ⓒ SEV, SUVA, SVGW, SVTI, SWKI, VKF and EKAS guideline 1942

Work on the appliance

- Work on electrical equipment may only be carried out by a qualified electrician.
- Only connect appliances to correctly installed sockets.
- When working on the appliance, disconnect the mains plug.
- Isolate the appliance from the power supply (e.g. by removing the separate fuse or by means of a mains isolator) and check that it is no longer live.
- Safeguard the appliance against reconnection.



Danger

Hot surfaces on the appliance can cause burns. Before maintenance and service work, switch off the appliance and let it cool down.

Operation of the appliance

 **Danger**
Damaged equipment poses a safety hazard. Check the appliance for external damage. Never start up a damaged appliance.

Safety instructions (cont.)

- The appliance may only be operated in its original condition without modifications and in perfect technical condition. All protection equipment must work faultlessly and be freely accessible.
 - To prevent the appliance overheating, do not cover it.
 - Children younger than the age of 3 must be kept away from the appliance unless they are constantly supervised. Children between the ages of 3 and 8 may only switch the appliance on and off if they are supervised or have been instructed in the safe use of the appliance and have understood the resulting risks, provided that the appliance is placed or installed in its normal position of use. Children between the ages of 3 and 8 must not plug the appliance into a wall socket, regulate the appliance, clean the appliance or carry out maintenance.
 - The appliance may only be commissioned once it has been installed.
 - The appliance must not be used in the immediate vicinity of a bathtub, shower or swimming pool.
 - The appliance must not be used in small rooms inhabited by persons who cannot leave the room independently, unless constant monitoring is ensured.
- !** **Please note**
- Impermissible use may result in damage to the appliance (risk of overheating) and fire.
 - Do not cover the appliance, even partially, e.g. with a towel.
 - Do not dry any objects on the appliance.
 - Do not expose the appliance to mechanical loads:
 - No persons should lean against it
 - No objects, e.g. furniture, should be leant against it

Auxiliary components and individual parts

For replacement, use only spare parts supplied or approved by Viessmann.

Disposal of packaging

Please dispose of packaging waste in line with statutory regulations.

DE: Use the disposal system organised by Viessmann.

AT: Use the ARA statutory disposal system (Altstoff Recycling Austria AG, licence number 5766).

CH: Packaging waste is disposed of by the HVAC contractor.

Symbols

Symbol	Meaning
	Reference to another document containing further information
	Warning of material losses and environmental pollution

Intended use

The appliance may only be used for its intended purpose in areas where the occupants can leave the rooms independently or where constant monitoring is ensured.

It is intended exclusively for room heating.

Using the appliance if it is not installed or for any purpose other than room heating shall be deemed inappropriate.

Intended use presupposes that a permanent installation in conjunction with permissible components designed for this purpose has been carried out.

The appliance should be able to radiate freely into the room.

The appliance must not be used in the immediate vicinity of a bathtub, shower or swimming pool.

All other use is deemed inappropriate. Any resulting losses are excluded from the manufacturer's liability.

Any usage beyond this must be approved by the manufacturer in each individual case.

Intended use also includes adherence to maintenance and inspection intervals.

Product information

Vitoplanar EI6

Type	Output in kW	Dimensions in mm	Weight in kg
EI6.A350SDM	0.35	620 x 620	7.5
EI6.A500SDM	0.5	900 x 620	12
EI6.A750SDM	0.75	1245 x 620	16
EI6.A1000SDM	1	1600 x 620	21

Direct electric heating for rapid heating of living spaces

- Infrared heater
- Radiation-optimised infrared heating coating
- Optimised insulation reduces proportion of convection
- Large infrared radiant surface
- Maintenance-free, no magnetic field
- Ceiling mounting

Before installation

Note

The appliance must be installed at least 1.8 m above the floor.

Note

In bathrooms, the appliance must be installed so that switches and other controllers cannot be touched by a person in the bath or shower.



Danger

Using unsuitable fixing materials may cause the appliance to fall from the ceiling. This may result in dangerous injuries and damage to the appliance.

Only secure the appliance to the ceiling using the fixings provided in the standard delivery.

Only use screws and rawl plugs that are suitable for the type of ceiling (brickwork, concrete, plasterboard, etc.).



Please note

Installation on uneven surfaces can cause damage to the heating surface due to stress. Only install the appliance on level surfaces.

Note

Thanks to the low surface temperature at the back of the appliance (up to 40 °C), the infrared heater can also be installed on wooden ceilings.

Fixings included in the standard delivery

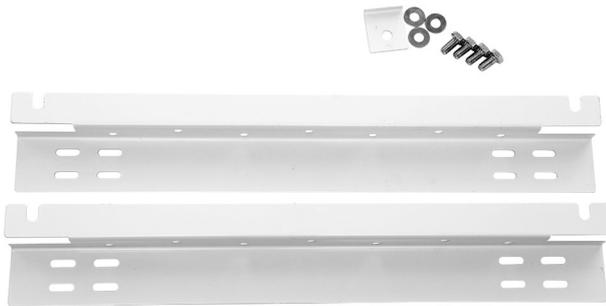


Fig. 1

- 2 x mounting brackets
- 4 x hexagon screws M8 x 16
- 3 x washers
- 1 x locking bracket

Clearance dimensions

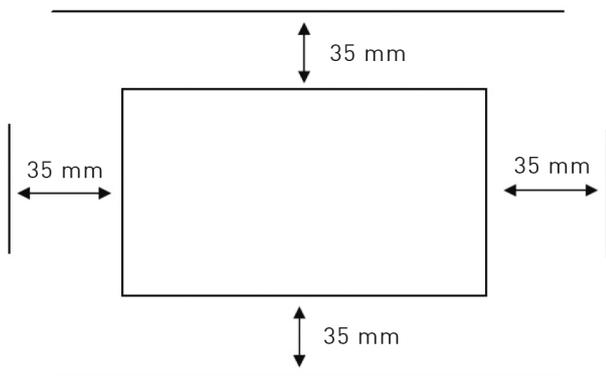


Fig. 2 Minimum clearances



Danger

Operating the appliance with insufficient clearances may result in flammable objects catching fire.

Observe the specified minimum clearances.

Mounting the appliance on the ceiling



Fig. 3

1. Loosely attach the hexagon screws, washers and locking bracket to the back of the appliance.
2. Select the position for the mounting brackets depending on the product type, as shown in the following diagrams.
3. Drill holes in the ceiling using the drilling template (standard delivery).
4. Secure the mounting brackets using suitable rawl plugs and screws.



Danger

Using unsuitable fixing materials may cause the appliance to fall from the ceiling. This may result in dangerous injuries and damage to the appliance.

Only use screws and rawl plugs that are suitable for the type of ceiling (brickwork, concrete, plasterboard, etc.).



Fig. 4

5. Slide the infrared heater onto the mounting brackets and tighten the screws.

Note

Pay attention to the position of the locking bracket.



Please note

Mechanical stress on the surface, e.g. if people or objects lean against it, can lead to damage.

Prevent force being applied to the surface.

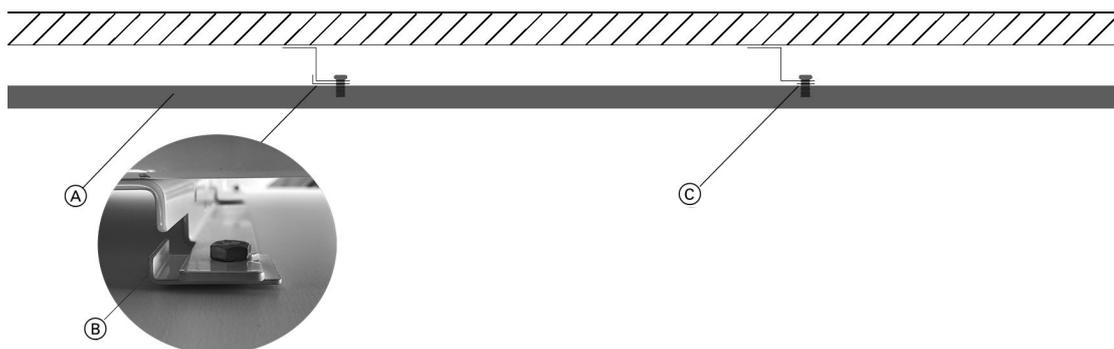


Fig. 5

- (A) Infrared heater
- (B) Locking bracket
- (C) Washer

Position of mounting brackets

Drill holes

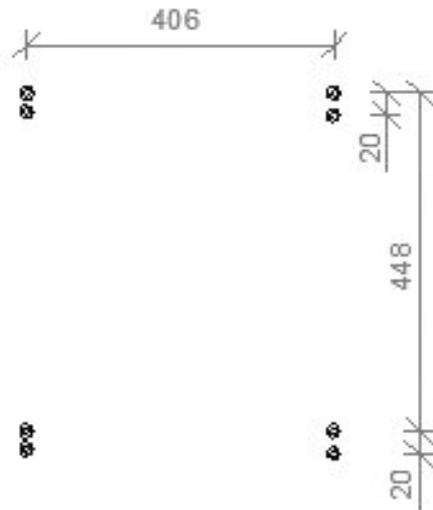


Fig. 6

Note

A drilling template is included in the standard delivery

Type EI6.A350SDM

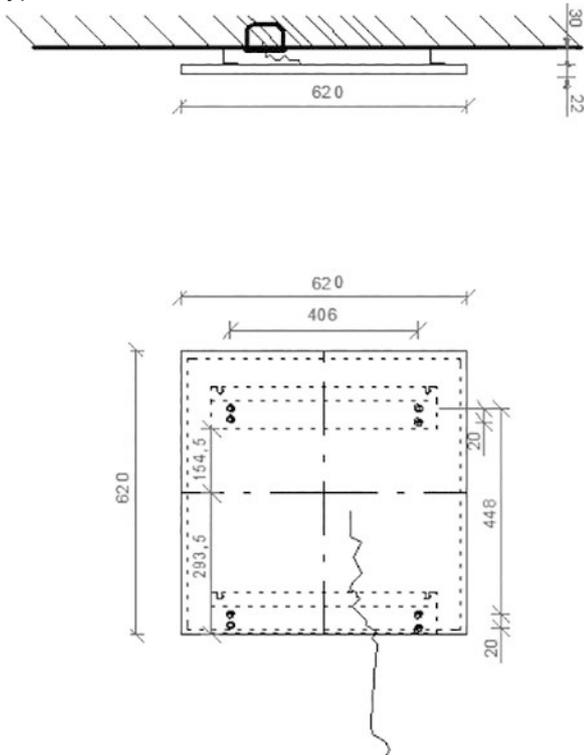


Fig. 7

Type EI6.A500SDM

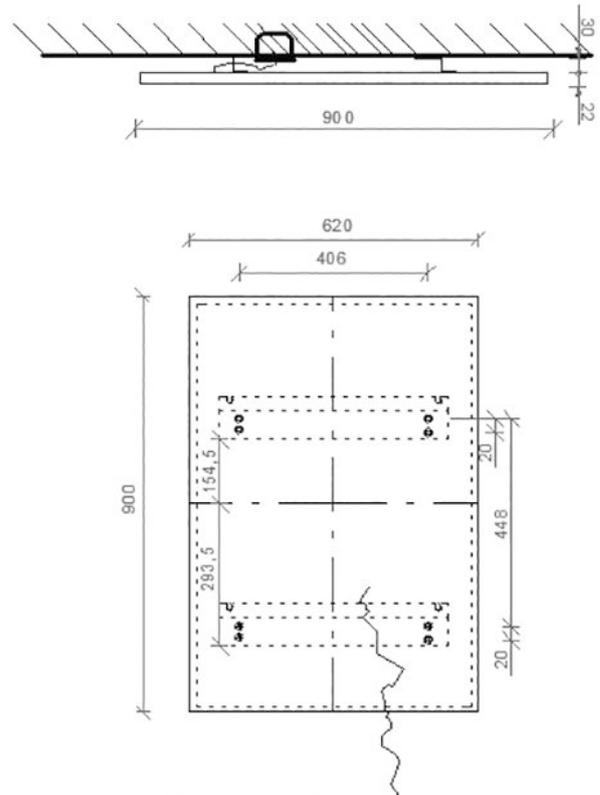


Fig. 8

Type EI6.A750SDM

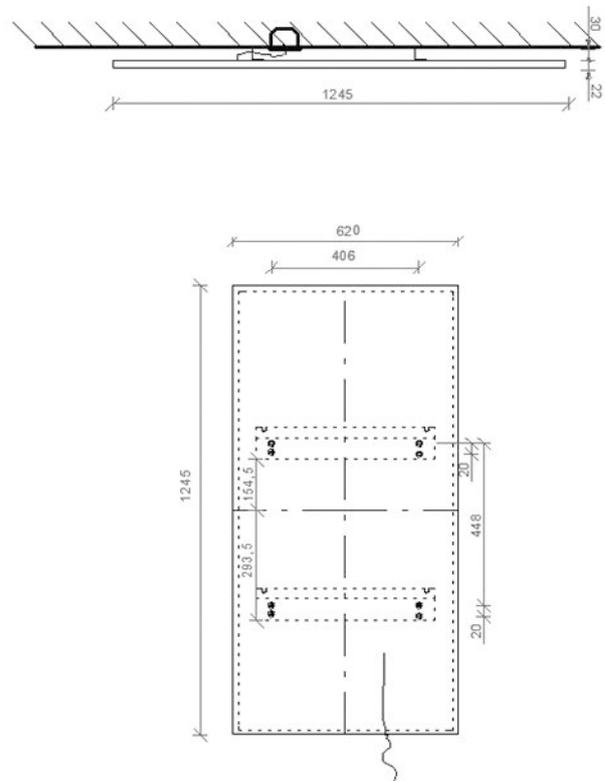


Fig. 9

Position of mounting brackets (cont.)

Type EI6.A1000SDM

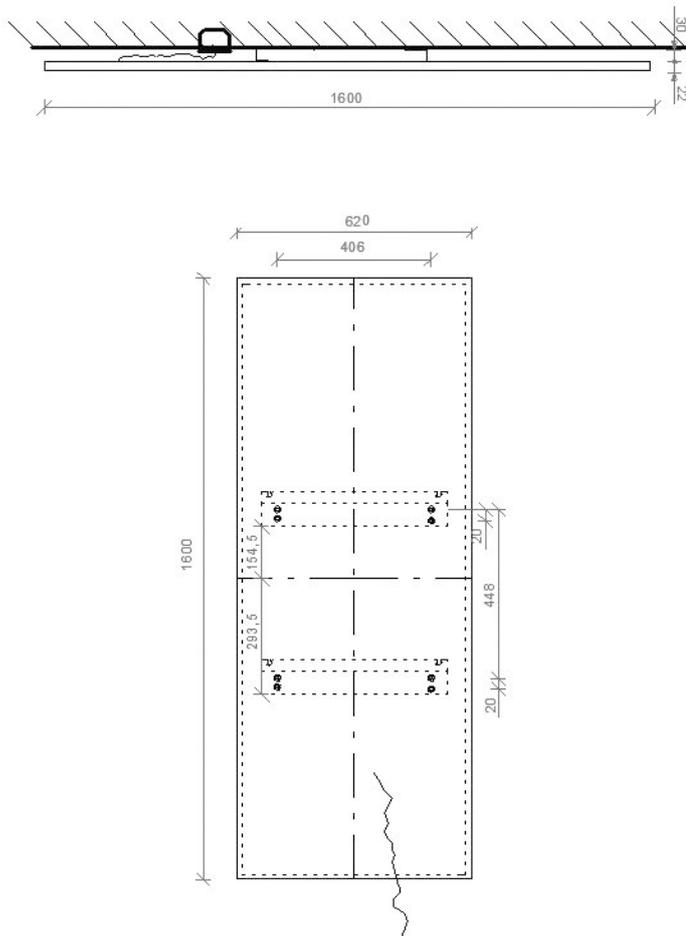


Fig. 10

Electrical connection



Danger

Incorrect wiring can lead to serious injury from electrical current and result in appliance damage.

The appliance must only be connected to junction boxes by specialist contractors.



Danger

A damaged connecting cable can lead to electric shock and short circuit.

Check the connecting cable for damage before installation.

Connection to junction box, alternatively to standard socket

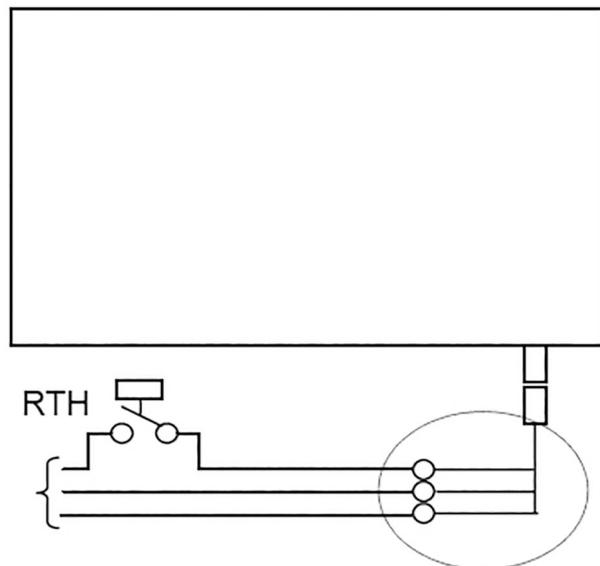


Fig. 11 Electrical connection

RTH Room thermostat (accessories)

Electrical connection (cont.)

1. On the installation side, install an omnipolar isolator with a contact opening width of at least 3 mm in the permanent electrical installation in accordance with the installation regulations.
2. Connect the supplied power cable to the junction box correctly.

Note

The power cable can be extended with a type SiHF-J3x 1.5 mm² cable. A direct connection to the appliance is not possible.

Commissioning and instructing the user

Commissioning and user instruction must be carried out by the contractor performing the installation. The user must be instructed in the operation of the appliance and in particular must be advised of the minimum clearances to be observed.

Specification

Type EI6		A350SDM	A500SDM	A750SDM	A1000SDM
Electrical values					
Output	W	350	500	750	1000
Rated voltage	V~		230		
IP rating			IP 21		
Protection class			I		
Surface temperature					
	°C		Max. 120		
Dimensions					
Width	mm	620	900	1245	1600
Height	mm		620		
Depth	mm		22		
Weight					
	kg	7.5	12	16	21

Energy consumption data

In conjunction with the Vitoplanar wireless thermostat or the Vitoplanar switch mounting thermostat, the product data corresponds to the EU regulations of the directive on the environmentally sound design of energy related products (ErP).

Final decommissioning and disposal

Viessmann products can be recycled. Components and substances from the system are not part of ordinary household waste.

For decommissioning the system, isolate the system from the power supply and allow components to cool down where appropriate.
All components must be disposed of correctly.

Declaration of Conformity

Using the serial number, the Declaration of Conformity can be found on the following website:

www.viessmann.co.uk/eu-conformity





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