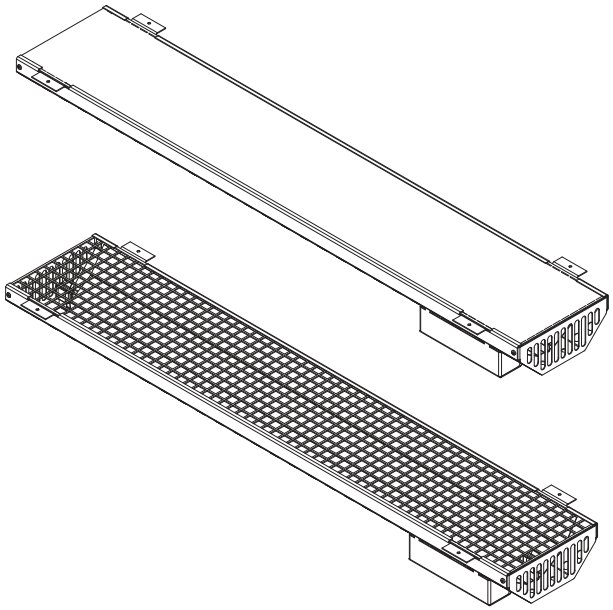
Full spectrum radiator

VITAE 350 / 500 / 750 / 1300
ECO 350 / 500 / 750

INSTRUCTIONS FOR INSTALLATION AND USE
English

EN
DE
FR
IT
NL
SV
FI



1-027-780 / DIR-350-R
1-027-781 / DIR-500-R
1-027-782 / DIR-750-R
1-027-779 / DIR-1300-R
1-027-785 / ECO-350-R
1-027-788 / ECO-500-R
1-027-790 / ECO-750-R

1-027-845 / WIR-350-R
1-027-846 / WIR-500-R
1-027-847 / WIR-750-R
1-027-844 / WIR-1300-R
1-027-784 / ECO-350-G
1-027-787 / ECO-500-G

Version 10/24 ID no. 1-052-822

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1. About this instruction manual

Read these assembly instructions carefully and keep them within reach when using the infrared radiator. This ensures that you can refer to information on safety and use at any time.

These installation and operating instructions can also be found in the downloads section of our website: www.mediabank.harvia.com.

Symbols used for warning notices

These assembly instructions feature warning notices next to activities that present a hazard to the user. Always observe the warning notices. This prevents damage to property and injuries, which in the worst case may be fatal.

The warning notices contain keywords, which have the following meanings:

DANGER!
Serious or fatal injury will occur if this warning notice is not observed.

WARNING!
Serious or fatal injury can occur if this warning notice is not observed.

CAUTION!
Minor injuries can occur if this warning notice is not observed.

ATTENTION!
This keyword is a warning that damage to property can occur.

Other symbols

This symbol indicates tips and useful information.


Do not cover


Read the operating instructions

2. Important information for your safety

The infrared radiator has been produced in accordance with the applicable safety rules and regulations. However, hazards may arise during use. Therefore adhere to the following safety information and the specific warning notices in the individual chapters.

2.1. Intended use

The infrared radiator is used to heat people's bodies and/or to heat an infrared cabin.

The infrared radiator may only be operated in combination with a control unit that features an automatic heating time limiter.

Any use exceeding this scope is considered improper use. Improper use can result in damage to the product, severe injuries or death.

2.2. Safety information

- The clamping connections may only be installed by a qualified electrician or similarly qualified person.
- The plugs connectors may be installed by the user.
- Installation and connection work on the infrared radiator may only be performed when the power supply is disconnected.
- Also comply with the regulations applicable at the installation location. The specifications in EN 60335-2-53 (VDE 0700 Part 53) must be complied with.

- Ensure that the infrared radiator is not exposed to any mechanical stress, as this will result in breakage. A radiator with a glass front or radiator element that is broken may no longer be used. The glass or the radiator element must be replaced (for the item number, see 8. Technical data on page 14)
- When positioning and installing the infrared radiator, the minimum safety distances must be complied with (see 5.1. Safety distances on page 10)
- The radiator satisfies the requirements in accordance with IPX2. For splashproof installation in accordance with IPX4, the edge of the infrared radiator must be fitted with a veneer (e.g: stainless steel panel, see 3.3. Optional accessories on page 7)
- Radiators must not be installed in a steam bath.
- For your own safety, consult your supplier in the event of problems that are not described in sufficient detail in the user instructions.
- Make sure that no flammable objects have been placed on or suspended in front of the infrared radiator before the control unit is switched on.
- Never touch the glass on the infrared radiator when it is operating. The glass on the infrared radiator becomes very hot. Depending on the user function, contact protection may need to be installed (e.g: wooden backrest, protective grille, see 3.3. Optional accessories on page 7).
- The device must not be used by children under 8 years of age.

- The device may only be used by children over 8 years of age, by persons with limited psychological, sensory or mental capabilities or by persons with lack of experience/knowledge under the following conditions:
  - They are supervised.
  - They have been shown how to use the device safely and are aware of the hazards that could occur.
- Children must not play with the device.
- Children under 14 years of age may only clean the device if they are supervised.
- If you are affected by a limited sensitivity to heat or are under the influence of alcohol, medication or drugs, refrain from using the infrared radiator for health reasons.
- If persistent erythema (reddening of the skin for more than one day) or mottled skin discolouration occurs after regular exposure to infrared radiation, do not repeat the exposure and consult a doctor to prevent it developing into the more serious condition erythema ab igne.
- It is not advisable to use the infrared radiator within 24 hours of exposing your skin to ultraviolet radiation from an artificial source or from sunbathing.
- If in doubt, people at risk of hyperthermia, such as those who suffer from cardiovascular conditions, should consult a doctor before using a thermal cabin.
- For your own safety, consult your supplier in the event of problems that are not described in sufficient detail in the user instructions.

3. Product description

3.1. Scope of delivery

- IR radiator incl. 3 m connection cable with plug
- Assembly instructions

3.2. Product features

The infrared radiator features the following functions:

- Installation as a back, front or ceiling radiator
- Intrinsically safe due to safety temperature limiter
- Infinitely dimmable
- Models with a glass cover feature protection class IPX4 (suitable for saunas) when installed in combination with front panel or wooden backrest
- VITAE full spectrum radiator Nextrema dark
  Radiation intensity: A 24%, B 55%, C 21%
- Nextrema full spectrum radiator white
  Radiation intensity: A 9%, B 57%, C 34%
- ECO full spectrum radiator with glass
  Radiation intensity: A 24%, B 55%, C 21%
- ECO full spectrum radiator with grille
  Radiation intensity: A 14%, B 40%, C 46 %

3.3. Optional accessories

- Brushed stainless steel front panel
  (350W/1-027-948, 500/750/1300W/1-028-779)
- Stainless steel front panel painted black
  (350W/1-028-905, 500/750/1300W/1-028-157)
- Protective grille (350/1-027-791, 500W/1-027-792)
- Ergonomic backrest (350/500W/514-L/A/D)
- Ergonomic VitaMy backrest (350W/1-039-182)

- Lime wood backrest (350W/1-028-578, 500/750W/1-032-185)
- Prestige wooden backrest (350W/1-032-186, 500/750W/1-032-213)
- Infrared distributor (IR-1P2, IR-1P3, IR-1P5)
- Cable for distributor (IR-1P2, IR-1P3, IR-1P5)
- Connection cable for distributor (IR-IS-A03, IR-IS-A10, IR-IS-A25)

4. Correct placement

Application as:

- Back radiator: 350 W, 500 W
- Front radiator: 350 W, 500 W or 750 W
- Ceiling radiator: 750 W, 1300 W

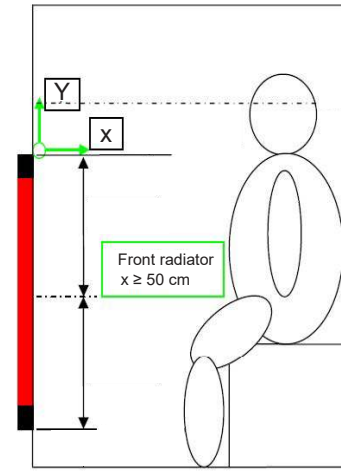
According to EN 60335-2-53, an infrared thermal cabin with a 20 cm x 20 cm grid of averaged irradiation must not exceed 1000 W/m² on a person's chest and back (note that this limit relates to the prevention of heat stress).

To ensure that this limit is not exceeded, only a 350 W or 500 W radiator may be used as a back radiator. Furthermore, when positioning the back radiator, ensure that the distance from the person's back to the radiator does not exceed 4 cm.

Only 350 W, 500 W or 750 W radiators may be used as front radiators. Ensure that the minimum distance between the upper body and front radiator is not less than 50 cm (in picture „x“)

To ensure that the ICNIRP limit values for the long-term limit value of 100 W/m² for “infrared eye” are not exceeded, the radiators must be moved down (in picture„Y“).

Detailed information can be found in the appraisals LE-G18/3 and LE-G31/18 conducted by Seibersdorf Laboratories.



5. Installation and connection

WARNING!
Danger of electric shock

- Only perform installation and connection work on the infrared radiator when the power supply has been disconnected.

- The radiator is delivered with a plug already installed. The plug-in connector may also be installed by the user.
- If the radiator connection is integrated into a control unit, remove the plug. The clamp connection may only be installed by a qualified electrician or similarly qualified person.
- The rear of the radiator must NOT be covered to ensure that the heat generated can escape through the openings.
- The ventilation slots at the top and bottom must NOT be covered (see **Fig. 1**)
- To ensure that the thermal fuse functions correctly, the terminal box for the radiator must be at the top when the radiator is installed vertically (e.g. back radiator) (see **Fig. 14**).
- Maintain the minimum safety distances to easily flammable materials (see **5.1. Safety distances on page 10**).



Fig. 1: Do not cover ventilation slots



Fig. 2: Terminal box position

5.1. Safety distances

Observe the specified minimum safety distances and **Fig. 3**.

Infrared radiator 350 W, 500 W
(DIR-350-R / DIR-500-R / WE-350-R / WE-500-R /
ECO-350-R / ECO-500-R / ECO-350-G / ECO-500-G)

When installed vertically:
B = 15 mm
F = 25 mm

When installed horizontally:
B = 80 mm
F = 25 mm

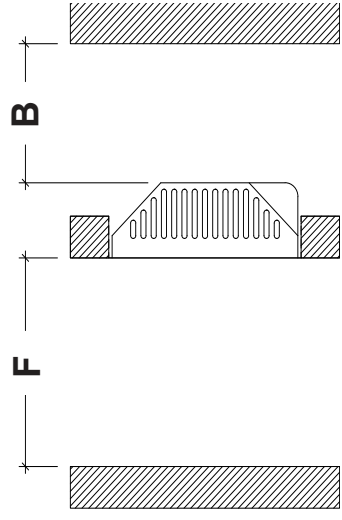
Infrared radiator 750 W (DIR-750-R / WIR-750-R / ECO-750-R)

When installed horizontally:
B = 100 mm
F = 150 mm

Infrared radiator 1300 W (DIR-1300-R / WIR-1300-R)

When installed horizontally:
B = 150 mm
F = 200 mm

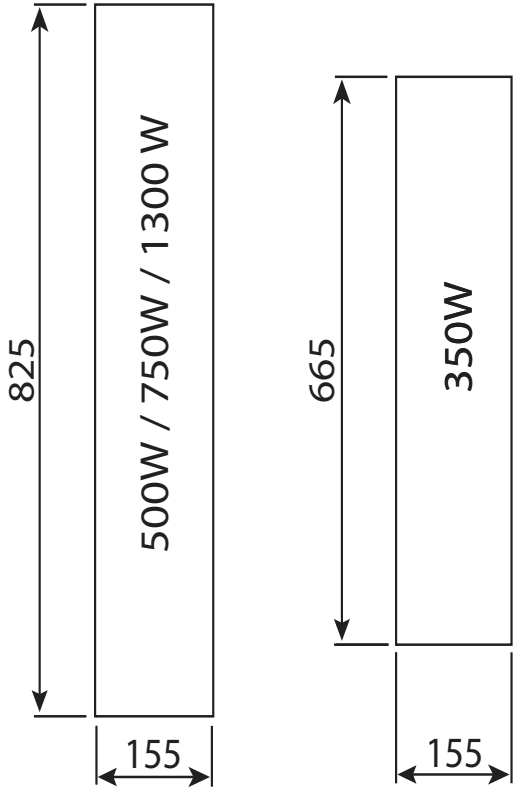
Fig. 3: Infrared radiator safety distances



5.2. Installation cut-out

Please note **Fig. 1** and **Fig. 4**.

Fig. 4: Infrared radiator installation cut-outs
Dimensions in mm



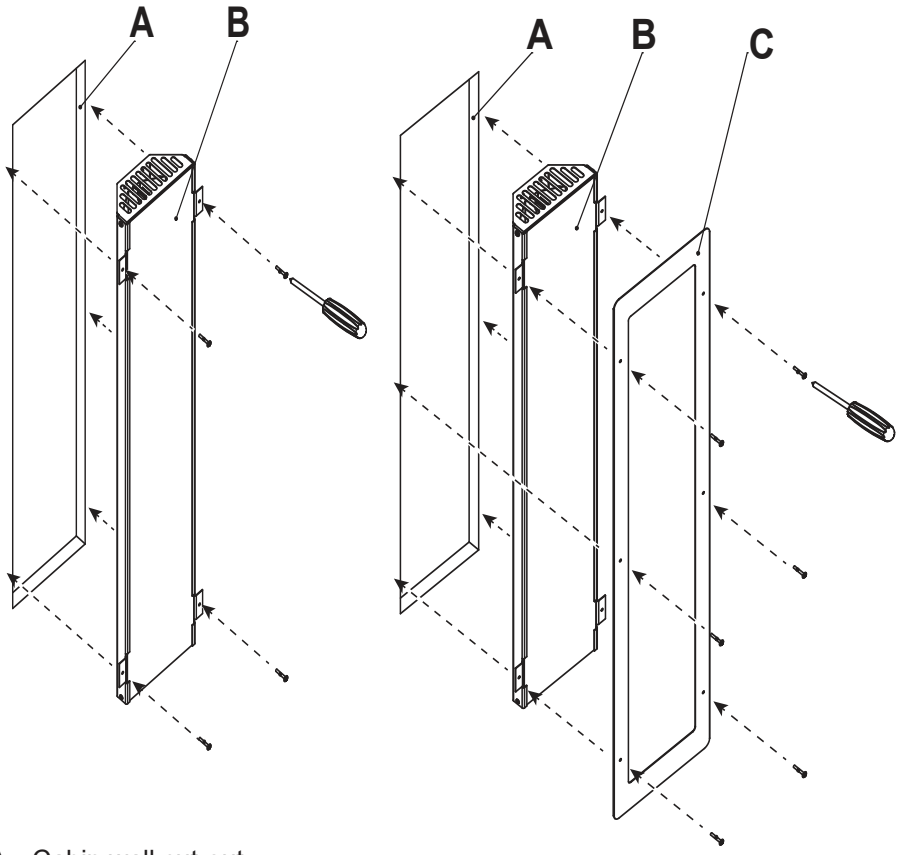
5.3. Recessed

Please note **Fig. 2** and **Fig. 5**.

CAUTION!
Make sure that the terminal box for the radiator is on top!

An intumescent strip is included with the 1300 W infrared radiator. Stick this to the outer edge of the cut-out before installing the radiator (**see A in Fig. 5**)

Fig. 5: Installation of infrared radiators without and with optional stainless steel panel



A Cabin wall cut-out
B Infrared radiator
C Stainless steel panel (optional)

6. Cleaning and maintenance

6.1. Cleaning

ATTENTION!
Damage to the unit
The infrared radiator is protected against splashing water, however direct contact with water could still damage it.

- NEVER immerse the device in water.
- Do not pour water over the device.
- Do not get the device too wet when cleaning it.

1. Switch off the radiator
2. Allow the radiator to cool down
3. Carefully wipe down the glass with a damp cloth.

6.2. Maintenance

The infrared radiator is maintenance-free.

7. Disposal

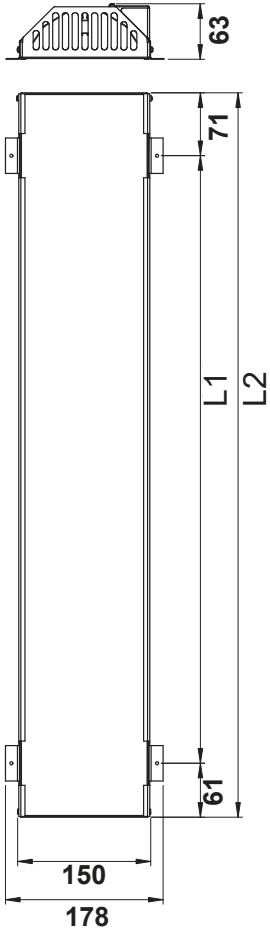


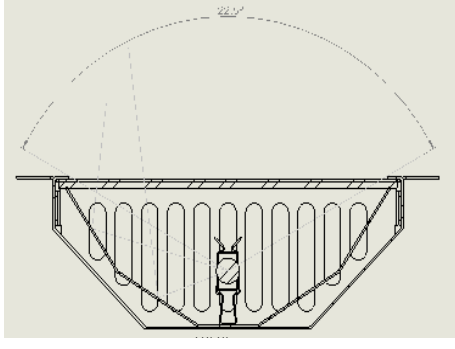
- Dispose of packaging materials in accordance with the applicable waste disposal regulations.
- Used devices contain reusable materials as well as hazardous substances. Therefore, do not dispose of your used device with household waste, but do so in accordance with the locally applicable regulations.

8. Technical data

General, for all radiators

Storage conditions:	-25°C to +70°C
Ambient temperature:	+10°C to +140°C
Mains voltage:	230 V ~ 1N 50 Hz
Thermal fuse:	130°C
IP code:	IPX2
Connection cable:	3 m - 3 x 1.5 mm² insulated with plug
Radiation angle:	122.5°





DIR-350-R

Dimensions:	L1 = 523 mm, L2 = 658 mm
Front glass:	Schott Nextrema, dark (1-027-840)
Radiator element:	350 W - Vitae (1-027-836)

DIR-500-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, dark (1-027-839)
Radiator element:	500 W - Vitae (1-027-837)

DIR-750-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, dark (1-027-839)
Radiator element:	750 W - Vitae (1-027-838)

DIR-1300-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, dark (1-027-839)
Radiator element:	1300 W - Vitae (1-027-835)

WIR-350-R

Dimensions:	L1 = 523 mm, L2 = 658 mm
Front glass:	Schott Nextrema, white (1-027-842)
Radiator element:	350 W - ECO full spectrum (1-027-783)

WIR-500-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, white (1-027-841)
Radiator element:	500 W - ECO full spectrum (1-027-786)

WIR-750-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, white (1-027-841)
Radiator element:	750 W - ECO full spectrum (1-027-789)

WIR-1300-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Schott Nextrema, white (1-027-841)
Radiator element:	1300 W - Vitae (1-027-835)

ECO-350-R

Dimensions:	L1 = 523 mm, L2 = 658 mm
Front glass:	Glass ceramic, dark (1-030-969)
Radiator element:	350 W - ECO full spectrum (1-027-783)

ECO-500-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Glass ceramic, dark (1-030-968)
Radiator element:	500 W - ECO full spectrum (1-027-786)

ECO-750-R

Dimensions:	L1 = 686 mm, L2 = 818 mm
Front glass:	Glass ceramic, dark (1-030-968)
Radiator element:	750 W - ECO full spectrum (1-027-789)

ECO-350-G

Dimensions:	L1 = 523 mm, L2 = 658 mm
Front:	Metal grille, black fibre coated (1-027-791)
Radiator element:	350 W - ECO full spectrum (1-027-783)

ECO-500-G

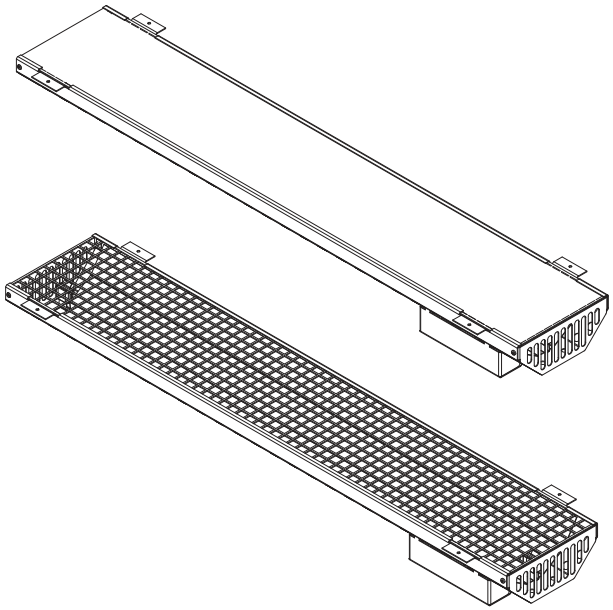
Dimensions:	L1 = 686 mm, L2 = 818 mm
Front:	Metal grille, black fibre coated (1-027-792)
Radiator element:	500 W - ECO full spectrum (1-027-786)

Full spectrum radiator

VITAE 350 / 500 / 750 / 1300
ECO 350 / 500 / 750

MONTAGE- UND GEBRAUCHSANWEISUNG
Deutsch

DE



1-027-780 / DIR-350-R
1-027-781 / DIR-500-R
1-027-782 / DIR-750-R
1-027-779 / DIR-1300-R
1-027-785 / ECO-350-R
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Version 10/24 Ident-Nr. 1-052-822

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