Convectors and lamellar radiators
Trademark ISAN represents a traditional Czech manufacturer of heating bodies with a history and experience stretching back more than 60 years. Top-notch technological procedures and the progressive thinking of our designers and developers always guarantee high technical and aesthetic parameters of the products, thanks to which the products have become popular on the Czech and foreign market. We export 90% of our production into the countries of the European Union.

Our prime objective is the satisfaction on the customer’s part and service. Ecological processing with maximal consideration for the environment goes without saying. The production is controlled by ISO 9001:2015 system. Moreover, all heating bodies comply with certification requirements applicable for current legislative regulations of individual states in a way that corresponds to the strictest standards. The certification process for the Czech Republic took place in Testing Institute for Mechanical Engineering in Brno, notified body ES1015.

The complete ISAN portfolio consists of a wide range of radiant trench heaters and lamella-fitted radiators ISAN EXACT, trench heaters with a lamellar heat exchanger ISAN ECOLITE, trench heaters ISAN TERMO, column radiators ISAN ATOL, ribbed-tube radiators ISAN SPIRAL, glass radiators ISAN JOY and, last but not least, bathroom radiators ISAN MELODY, in which case the company was the first manufacturer of this type in the Czech Republic. A speciality of ISAN Radiátory s.r.o. is creating made-to-measure radiators based on the requirements of our customers.
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We reserve the right to changes and misprints.
Conectors and lamellar radiators are intended for the application in all heating systems in individual and mass civil construction where only heating (treated) water with induced circulation is used. Lamellar radiators are designed of above-mentioned smooth steel sections free of convection surfaces. Conectors are in addition equipped with auxiliary convection surface with the depth of 50 mm or 39 mm (rear auxiliary surface for models K22-K55, K22W-K55W) moulded of 0.4 mm thick metal sheet which significantly increase heating capacity of the units. K 22W, K 33W, K 44W, K 55W are basic types with auxiliary rear shield suitable for allocation in front of glass surfaces. Insulating plate reflects the heat into the room and prevents heating dissipation. The convector can be furnished with internal connection distribution system and thermostatic valve directly from the manufacturing line. The designed modification allows bottom connection of the convector with 50 mm span. All outlets are fitted with inner G1/2" thread. In general, the convector is supplied with right bottom connection, left bottom connection is delivered only per order.

HEATING CAPACITY
Heating capacity was measured in compliance with EN 442. In case the heating units are fitted to other than enclosure walls or are not installed in recommended position or various types of covers and sill are used respectively heating units are covered, the heating capacity may be significantly affected. Upper grill reduces heating capacity for about 5%.

SURFACE TREATMENT
Surface is treated with maximum care of the environment and guarantees long-term corrosion-prevention and mechanical-stress protection and sanitary safety. The radiators are sand blasted and degreased at first, than coated with ferric phosphate and lacquered. Baking powder epoxy-polyester lacquer is used for the final surface treatment.

Basic tint is snow-white colour RAL 9016. For other tints refer to *ISAN reference colour chart* with extra charges corresponding to the colour type. EXACT radiators are not delivered in chrome and stainless steel surface treatment.

WARRANTY PERIOD
The warranty is applicable only to defects and malfunctions resulting from the manufacturing error or from the defect of the used material. There is a 5-year warranty period on lamellar radiators and convectors from the date of delivery of the product to the Purchaser. Radiators with a clear varnish finish come with a 4-year warranty. Warranty certificate is an integral part of each radiator package.

WARRANTY CONDITIONS
Customer loses any claim for warranty service in case that the heating body was:
- installed in a building, facility or room with high humidity, such as public WC, car washing room, stable, cowshed, indoor swimming pool and the like;
- stored outdoor or under a temperature lower than -5°C;
- damaged by inside corrosion due to unsuitable chemical composition of the heating medium, having caused a leaking;
- deformed due to inappropriate transport or exceeding of working pressure maximum;
- damaged mechanically or due to inappropriate handling by customer or carrier;
- damaged willingly or when defaults appeared due to a natural disaster or other impact;
- used and kept in operation in spite of the claimed default, whereas the usage of so faulty product has inflicted the state thereof in so far that the claimed default cannot be assessed accordingly;
- unprofessionally installed or when a modification has followed without prior seller’s consent;
- used for other than the intended purpose, such as for drying of wet textiles directly on the convector body, which has lead to damage of the surface treatment;
- damaged by using of unsuitable cleaners, not recommended for the given radiator surface;
- purchased against a reduced price due to a default, the customer was notified of.

Any warranty claim shall be refused, if the Warranty Certificate is not filled in, shows unauthorized changes or is not available. The warranty does not apply to unordinary wear and tear. If no default caused by the manufacturer is found out, the warranty conditions are taken as unfulfilled and costs connected with experts’ travel shall be borne by customer. Products being the objects of claim and sent to manufacturer by postal service shall be possibly delivered in original packing or duly packed, to eliminate any further damage due to transportation. Damages caused by such transportation of a claimed product shall not be taken in consideration.

PACKING AND FIXING
Regarding the type, lamellar radiators and convectors are packed in three-layer cardboard including corner protections, and sealed subsequently in shrink-wrap.

Mounting kits are not part of the package. Kits are delivered per order in two versions:
1. Wall-mounting brackets. The number of brackets depends on the length of the radiator.
2. Stands with plastic caps. The number of stands depends on the length of the radiator.

The kits include determined amount of assembly features. Airplug and fullplug are placed onsite.
**ORDERING PROCEDURE FOR EXACT LAMELLAR RADIATORS AND RADIANT CONVECTORS**

K21 – Radiant convector, 2 heating plates, 1 auxiliary surface

K32 – Radiant convector, 3 heating plates, 2 auxiliary surfaces

K43 – Radiant convector, 4 heating plates, 3 auxiliary surfaces

K54 – Radiant convector, 5 heating plates, 4 auxiliary surfaces

K22 – Radiant convector, 2 heating plates, 2 auxiliary surfaces

K33 – Radiant convector, 3 heating plates, 3 auxiliary surfaces

K44 – Radiant convector, 4 heating plates, 4 auxiliary surfaces

K55 – Radiant convector, 5 heating plates, 5 auxiliary surfaces

K22 W – Radiant convector, 2 heating plates, 2 auxiliary surfaces and rear reflection shield

K33 W – Radiant convector, 3 heating plates, 3 auxiliary surfaces and rear reflection shield

K44 W – Radiant convector, 4 heating plates, 4 auxiliary surfaces and rear reflection shield

K55 W – Radiant convector, 5 heating plates, 5 auxiliary surfaces and rear reflection shield

F10 H – Lamellar radiator, 1 heating plate, horizontal

F20 H – Lamellar radiator, 2 heating plates, horizontal

F10 V – Lamellar radiator, 1 heating plate, vertical

F10 L – Lamellar radiator, 1 heating plate, vertical. Lux

F10H*, F20H* – AD, CB, BD, DB, AB, CD, EF, FE

VL, VR – left/right valve (VR as standard)

ML, MR – middle connection with valve left/right

**POSITION NO.**

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
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<th>11.</th>
<th>12.</th>
<th>13.</th>
<th>14.</th>
<th>15.</th>
<th>16.</th>
<th>17.</th>
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</thead>
<tbody>
<tr>
<td>F10H</td>
<td>05601200AB01 –</td>
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<td></td>
</tr>
</tbody>
</table>

**MODEL**

<table>
<thead>
<tr>
<th>F10H, F20H</th>
<th>F10V</th>
<th>F10L</th>
<th>RADIANT CONVECTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>02800</td>
<td>04000</td>
<td>16000 *</td>
<td>00700 **</td>
</tr>
<tr>
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<td>05000</td>
<td>18000</td>
<td>01400</td>
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<tr>
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<td>06000</td>
<td>28000</td>
<td>02100</td>
</tr>
<tr>
<td>07000</td>
<td>30000</td>
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<td>02800</td>
</tr>
</tbody>
</table>

* Only these two heights,

** Not applicable for convectors with middle connections (MS). These are not manufactured in height 70 mm.

** Height (mm)**

**LENGTH**

| F10H, F20H | F10V | F10L | RADIANT CONVECTORS **
<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>04000</td>
<td>02800</td>
<td>05600</td>
<td>04000</td>
</tr>
<tr>
<td>05000</td>
<td>04200</td>
<td>07000</td>
<td>05000</td>
</tr>
<tr>
<td>10000</td>
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<td>07000</td>
<td>05800</td>
</tr>
<tr>
<td>28000</td>
<td>30000</td>
<td>58000</td>
<td>60000</td>
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</tbody>
</table>

Manufactured standard length ranges: by 100 mm of length up to the 2 000 mm and by 200 mm above 2 000 mm.

*Only these two lengths,

**Radiant convectors with middle connection (MS) only up to 4 000 mm.

** Length (mm)**

**9, 10, 11, 12**

Connection

F10H* – AD, CB, BD, DB, AB, CD, EF, FE

F20H* – AD, CB, BD, DB, AB, CD, AC, CA, EF, FE

VL, VR – left/right valve (VR as standard)

MS – middle connection (MS, SM)

F10V, F10L – AD, CB, BD, DB, MS, SM

* Inner design for connection AD, CB, BD, DB is the same as is without extra charge, connection EF, FE is with 6x connection thread.

**13, 14**

**Colour code**

<table>
<thead>
<tr>
<th></th>
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<td>538</td>
<td>68</td>
<td>509</td>
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<td>9001</td>
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<td>67</td>
<td>508</td>
<td>84</td>
<td>520</td>
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<td></td>
</tr>
</tbody>
</table>

**15, 16**

**Atypical**

- Standard design without adaptations
- A atypical design, specified in note behind product code
- X construction 1,0 MPa (10 bar)
- T construction 1,0 MPa (10 bar) + atypical design
LAMELLAR RADIATORS – HORIZONTAL

Lamellar radiator with variable connection of the heating unit A, B, C, D, (E, F), MA or in version VALVE

DIMENSIONS
Length: 400–2 000 mm by 100 mm, 2 000–3 000 mm by 200 mm
Height: 280, 420, 560, 700 mm
Depth: type F10H – B=50 mm, type F20H – B=72 mm

SPECIFICATIONS
Connection: standard 4xG1/2" inner (6xG1/2" connection E, F)
VALVE 2xG1/2" inner, span 50mm
Max. operating overpressure: 0,5 MPa (standard) or 1,0 MPa (per order)
Max. operating temperature: 110 °C
Heating system: double pipe with induced circulation
Ambient conditions: +2 to 45 °C, at relative humidity 20–70%

RADIATOR TYPES

Lamellar steel radiator with one or two radiating surfaces with direct connection or valve.
Radiators for the sanitary safe environments can be delivered without upper cover grill (atypical design)
Radiators with middle connection may be manufactured per order (atypical design) – in limited lengths

RADIATOR BASIC EQUIPMENT (e.g. as on F20H, F20H valve)


*B Thermostatic head is not part of the radiator

BASIC DESIGN

Colour: white RAL 9016
other colours according to colour chart
Grill: upper wire grill
Mounting: wall-mounting kit includes hinges, balance braces, screws and sockets (for mounting to concrete)
Connection: STANDARD
4xG1/2"  (3 pcs. cap + 1 pcs. of air-relief valve)
6xG1/2" in design E, F  (5 pcs. cap + 1 pcs. of air-relief valve)
Connection: VALVE
2xG1/2" internal
Right or left per order
Thread connection span 50 mm
(See detail on the following page)
Installed thermostatic valve Heimeier
(Danfoss per order)
### Radiator Connection Dimensions

<table>
<thead>
<tr>
<th>CONNECTION OPTION</th>
<th><strong>F10, F20H</strong></th>
<th><strong>F10, F20H VALVE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H [mm]</strong></td>
<td>280, 420, 560, 700</td>
<td>280, 420, 560, 700</td>
</tr>
</tbody>
</table>

**Note:** Thermostatic head is not part of the radiator

**Note:** Connection **MA** - the water inlet on the left, **AM** connection - the water inlet on the right

### Radiator Design Options

**Connection:** 4xG3/4"

(3 pcs. - cap, 1 air-relief valve G3/4")

**Valve:** Danfoss

(for VALVE type)

**Max. operating overpressure:** 1 MPa (10 bar)

**Intermediate length:** e.g. 2100 mm (price as for 2200 mm length)

**Colour:** according to colour chart

### Coding

<table>
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<tr>
<th>1.</th>
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<td>F</td>
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<td>0</td>
<td>H</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>A</td>
<td>B</td>
<td>0</td>
<td>1</td>
<td>A</td>
</tr>
</tbody>
</table>

**TYPE** | **HEIGHT** | **LENGTH** | **CONNECT** | **COLOUR** | **ATYP**

**F10H05601900AD01**

Lamellar steel radiator in design F10H with grill, AD, height 560 mm, length 1900 mm, colour 01– RAL 9016

**F10H05602300AC15T, G3/4", without grill**

Radiator in design F10H without grill, AC, height 560 mm, intermediate length 2300 mm, colour 15 – RAL 6034, max. overpressure 10 bar, internal design AC, connection G3/4" inner

**Order Example**

1, 2, 3, 4 F10H, F20H
5, 6, 7, 8 radiator height 0280, 0420, 0560, 0700 mm
9, 10, 11, 12 radiator length 0400, 0500, 0600, 0700, 0800, 0900 mm
13, 14 standard: AD, CB, BD, DB, AB, CD, AC, CA, EF, FE

Valve: VR – right valve (standard), VL – left valve

ML (F20 only) valve on the left down side

MR (F20 only) valve on the right down side

**Note:** list selected radiator modifications behind the code (e.g. thread 3/4", without grill, ...)
**Lamellar vertical radiator with variable connection of the heating unit A, B, C, D, MA**

**DIMENSIONS**
- **Length:** type F10V – 280, 420, 560, 700 mm  
  type F10L – 560, 700 mm
- **Height:** type F10V – 400–2 000 mm by 100 mm  
  type F10L – 1 600, 1 800 mm
- **Depth:** B=50 mm

**SPECIFICATIONS**
- **Connection:** 4xG1/2" inner
- **Max. operating overpressure:** 0,5 MPa (standard) or 1,0 MPa (per order)
- **Max. operating temperature:** 110 °C
- **Heating system:** double pipe with induced circulation
- **Ambient conditions:** +2 to 45 °C, at relative humidity 20–70%

**RADIATOR TYPES**
- **F10V:** Lamellar radiator delivered in four widths and random heights from 400 to 2 000 mm.
- **F10L (LUX):** Lamellar radiator delivered in two widths and two heights.
  The mirror increases end-use properties of the radiator. The radiator can be furnished as an aesthetic feature in the living rooms or in bathrooms.
  Coat or towel hanger is part of the delivery.

**BASIC DESIGN**
- **Colour:** white RAL 9016  
  other colours according to colour chart
- **Mounting:** Wall mounting kit
  Wall mounting kit includes hinges, balance braces, screws and sockets
  (for mounting to concrete)
- **Connection:** 4xG1/2"  
  (3 pcs. cap + 1 pcs. of air-relief valve)

**RADIATOR BASIC EQUIPMENT**

1. Lamellar radiating surface
2. Air-relief valve
3. Mirror
4. Hanger chrome
5. Wall-mounting kit
LAMELLAR RADIATORS – VERTICAL

RADIATOR CONNECTION DIMENSIONS

**F10V**

- Height: 1900 mm
- Length: 560 mm
- Colour: 01 – RAL 9016

**F10V17500560AD15T, G3/4”**

- Height-intermediate: 1750 mm
- Length: 560 mm
- Colour: 15 – RAL 6034
- Max. overpressure: 10 bar
- Connection: G3/4” inner

---

**RADIATOR DESIGN OPTIONS**

**Connection:** 4xG3/4”
- (3 pcs. - cap, 1 air-relief valve G3/4”)

**Max. operating overpressure:** 1 MPa (10 bar)

**Intermediate length:** e.g. 1850 mm
- (price as for 1900 mm length)

**Colour:** according to colour chart

---

**POSIXN | SINGLE POSITION OPTIONS**

| 1, 2, 3, 4 | F10V, F10L |
| 5, 6, 7, 8 | radiator height |
| \( F10V: 0400, 0500, \ldots, 2000 \) by 100 mm |
| \( F10L: 1600, 1800 \) mm |

| 9, 10, 11, 12 | radiator length |
| \( F10V: 0280, 0420, 0560, 0700 \) mm |
| \( F10L: 0560, 0700 \) mm |

| 13, 14 | AD, CB, BD, DB, MS, SM |
| 15, 16 | according to colour chart |

| 17 | – standard connection |
| A | atypical design |
| X | design 1 MPa (10 bar) |
| T | design 1 MPa (10 bar) + typical design |

---

**ORDER EXAMPLE**

**F10V19000560AD01**
- Lamellar vertical radiator F10V, AD, height 1900 mm, length 560 mm, colour 01 – RAL 9016

**F10V17500560AD15T, G3/4”**
- Radiator in design F10V AD, height-intermediate length 1750 mm, length 560 mm, colour 15 – RAL 6034, max. overpressure 10 bar, connection G3/4” inner

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*(Side of the input of hot water has to be specified in order.)*

**Diagonal marking AD**

**Diagonal marking CB**

**Bottom middle – MS(SM)**

**Connection MA - the water inlet on the left, AM connection - the water inlet on the right**

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*Note: list selected radiator modifications behind the code (e.g. thread 3/4", …)"
### HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

#### F10H

<table>
<thead>
<tr>
<th>Height</th>
<th>Length [mm]</th>
<th>Water capacity [l]</th>
<th>Weight [kg]**</th>
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<tbody>
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<td>400 - 500</td>
<td>4.1 - 2.0</td>
<td>2.5 - 1.2</td>
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<td></td>
<td>600 - 700</td>
<td>3.0 - 1.6</td>
<td>2.0 - 1.1</td>
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<td></td>
<td>800 - 900</td>
<td>2.6 - 1.1</td>
<td>1.6 - 1.0</td>
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<tr>
<td></td>
<td>1000 &amp; up</td>
<td>2.4 - 1.0</td>
<td>1.2 - 1.0</td>
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</tbody>
</table>

#### F20H

<table>
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<th>Length [mm]</th>
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<th>Weight [kg]**</th>
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<td>280 mm</td>
<td>400 - 500</td>
<td>4.1 - 2.0</td>
<td>2.5 - 1.2</td>
</tr>
<tr>
<td></td>
<td>600 - 700</td>
<td>3.0 - 1.6</td>
<td>2.0 - 1.1</td>
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<tr>
<td></td>
<td>800 - 900</td>
<td>2.6 - 1.1</td>
<td>1.6 - 1.0</td>
</tr>
<tr>
<td></td>
<td>1000 &amp; up</td>
<td>2.4 - 1.0</td>
<td>1.2 - 1.0</td>
</tr>
</tbody>
</table>

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**empty body weight without packaging; version 5bar (10bar radiator mass = 5bar × 1.2)

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Thermal power measuring follows in accordance with EN 442-2.
### Heating Outputs, Weights & Water Capacity

**F10V**

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>280</th>
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<th>560</th>
<th>700</th>
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<tbody>
<tr>
<td><strong>Length [mm]</strong></td>
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<td>400 600 800 1000 1200 1400 1600 1800 2000</td>
<td>400 600 800 1000 1200 1400 1600 1800 2000</td>
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</tr>
<tr>
<td><strong>Water capacity [l]</strong></td>
<td>1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2</td>
<td>2.1 2.4 2.7 3.0 3.3 3.6 3.9 4.1 4.4 4.7</td>
<td>2.8 3.2 3.6 4.0 4.4 4.7 5.1 5.5 5.9 6.3</td>
<td>3.5 4.0 4.5 5.0 5.4 5.9 6.4 6.9 7.4 7.9</td>
</tr>
<tr>
<td><strong>Weight [kg]</strong></td>
<td>2.5 3.1 3.7 4.3 5.5 6.0 6.7 7.2 7.8 8.4</td>
<td>7.1 8.5 9.9 11.3 12.7 14.1 15.5 16.8 18.2 19.6</td>
<td>9.4 11.3 13.1 15.0 16.8 18.7 20.5 22.4 24.3 26.1</td>
<td>11.9 14.2 16.6 18.9 21.2 23.5 25.8 28.1 30.5 32.8</td>
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<tr>
<td><strong>90/70/20°C [W]</strong></td>
<td>169 211 254 296 338 380 423 465 508 549</td>
<td>240 301 361 421 481 541 601 661 721 781</td>
<td>309 386 469 540 618 694 771 849 925 1003</td>
<td>375 469 561 655 749 843 936 1030 1124 1218</td>
</tr>
<tr>
<td><strong>75/65/20°C [W]</strong></td>
<td>135 169 203 237 270 304 338 372 406 439</td>
<td>192 241 289 337 385 433 481 529 577 625</td>
<td>247 309 370 432 494 555 617 679 740 802</td>
<td>300 375 449 524 599 674 749 824 899 974</td>
</tr>
</tbody>
</table>

**F10L**

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>560</th>
<th>700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length [mm]</strong></td>
<td>1600</td>
<td>1800</td>
</tr>
<tr>
<td><strong>Water capacity [l]</strong></td>
<td>7.5</td>
<td>123</td>
</tr>
<tr>
<td><strong>Weight [kg]</strong></td>
<td>19.4</td>
<td>31.7</td>
</tr>
<tr>
<td><strong>90/70/20°C [W]</strong></td>
<td>1233</td>
<td>1388</td>
</tr>
<tr>
<td><strong>75/65/20°C [W]</strong></td>
<td>987</td>
<td>1111</td>
</tr>
<tr>
<td><strong>55/45/20°C [W]</strong></td>
<td>529</td>
<td>596</td>
</tr>
</tbody>
</table>

* version 5bar; (10 bar radiator capacity = 5bar × 0,9)
** empty body weight without packaging; version 5bar (10bar radiator mass = 5bar × 1,2)

**Dimensions of the mirror F10L**

- **Length**: 1600 mm
- **Height**: 1800 mm

**Dimensions of the unit**

- **Length**: 1600 mm
- **Width**: 560 mm
- **Height**: 1000 mm

**Dimensions of the mirror**

- **Length**: 1600 mm
- **Width**: 560 mm
- **Height**: 1000 mm

---

*Thermal power measuring follows in accordance with EN 442:2.*
RADIANT CONVECTORS
Radiant convector with variable connection of the heating unit A, B, C, D, (E, F)

DIMENSIONS
Length: 400–2 000 mm by 100 mm, 2 000–6 000 mm by 200 mm
Height: 70, 140, 210, 280 mm

Convector types and depths are listed in the table below.

SPECIFICATIONS
Connection: 4xG1/2" inner (2xG1/2" H=70 mm, 6xG1/2" connection E, F)
Max. operating overpressure: 0.6 MPa (standard) or 1.0 MPa (per order)
Max. operating temperature: 110 °C
Heating system: double pipe with induced circulation
Ambient conditions: +2 to 45 °C, at relative humidity 20–70%

CONVECTOR TYPES AND DEPTHS

<table>
<thead>
<tr>
<th>B=72 mm</th>
<th>B=133 mm</th>
<th>B=194 mm</th>
<th>B=255 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>K21</td>
<td>K32</td>
<td>K43</td>
<td>K54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B=111 mm</th>
<th>B=172 mm</th>
<th>B=233 mm</th>
<th>B=294 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>K22</td>
<td>K33</td>
<td>K44</td>
<td>K55</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B=133 mm</th>
<th>B=194 mm</th>
<th>B=255 mm</th>
<th>B=316 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>K22W</td>
<td>K33W</td>
<td>K44W</td>
<td>K55W</td>
</tr>
</tbody>
</table>

Steel convector with lamellar radiating surfaces and inner interchange fins.
Installation: interior
by the wall
by the window

Steel convector with lamellar radiating surfaces and inner and outer interchange fins.
Installation: by the wall
by the window

Steel convector with lamellar radiating surfaces and inner and outer interchange fins and rear shield.
Installation: by the windows
(prevents radiation losses in window surface)

BASIC DESIGN

Colour: white RAL 9016,
other colours according to colour chart
Grill: upper wire grill
Mounting: stands with plastic covers or wall mounting brackets per order (instead of stands)
Connection: 2xG1/2" + 1xG3/8" for H=70 mm
(2 pcs. cap, air-relief valve G3/8")
4xG1/2" for v=140, 210, 280 mm
(3 pcs. cap + 1 pcs. of air-relief valve)
6xG1/2" in design E, F
(5 pcs. cap + 1 pcs. of air-relief valve)

CONVECTOR BASIC EQUIPMENT

1. Lamellar radiating surface | 2. Inner interchange fins
3. Upper grill | 4. Air-relief valve | 5. Stand with plastic cover or
6. Wall-mounting bracket (per order instead of the stand)
7. Outer interchange fins | 8. Rear shield
RADIANT CONVECTORS

CONVECTOR CONNECTION DIMENSIONS

**K21, K32, K43, K54**

<table>
<thead>
<tr>
<th>B</th>
<th>H=70 mm</th>
<th>H=140 mm</th>
<th>H=210 mm</th>
<th>H=280 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>72, 133, 194, 255 mm</td>
<td></td>
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</table>

**K22, K33, K44, K55**

<table>
<thead>
<tr>
<th>B</th>
<th>H=70 mm</th>
<th>H=140 mm</th>
<th>H=210 mm</th>
<th>H=280 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>111, 172, 233, 294 mm</td>
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</tr>
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</table>

**K22W, K33W, K44W, K55W**

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<th>B</th>
<th>H=70 mm</th>
<th>H=140 mm</th>
<th>H=210 mm</th>
<th>H=280 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>133, 194, 255, 316 mm</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Connection Options**

- **Diagonal - Standard - Marking AD, CB**
- **Bottom Continuous - Marking BD, DB**
- **Single-Side - Marking AC, CA**
- **Continuous - Marking AC, CA**

**Connection Options**

- **Coding**
  
<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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<tbody>
<tr>
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<td>W</td>
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<td>60</td>
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<td>01</td>
<td>1A</td>
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</table>

**Convector Design Options**

- **Connection:** 4xG3/4” (3 pcs. - cap, 1x air-relief valve G3/4”)
- **Max. operating overpressure:** 1 MPa (10 bar)
- **Intermediate length:** e.g. 2100 mm (price as for 2200 mm length)
- **Colour:** according to colour chart
- **Wall brackets:** instead of stand

**K22–00701900AD01** Standard steel convector in design K22 with grill, height 70 mm, length 1 900 mm, colour 01 – RAL 9016, bottom stands with plastic cover.

**K22–00702300AC15T, G3/4”, wall mounting bracket** steel convector in design K22, height 70 mm, intermediate length 2 300 mm, colour 15 – RAL 6034, max. overpressure 10 bar, internal design AC, connection G3/4” inner, wall brackets.

**Order Example**

- ROOM
- WALL
- E, F CONNECTION
- WINDOW
- BOTTOM CONTINUOUS – MARKING BD, DB
- SINGLE-SIDE – MARKING AC, CA
- CONTINUOUS – MARKING AC, CA
- BOTTOM (6xG1/2”) – MARKING EF, FE

**Single Position Options**

- 1, 2, 3, 4 K21-, K32-, K43-, K54-, K22-, K33-, K44-, K55-K22W, K33W, K44W, K55W
- 5, 6, 7, 8 convector height 0070, 0140, 0210, 0280 mm
- 9, 10, 11, 12 convector length 0400, 0500, ...., 2000 by 100 mm
- 13, 14 AD, CB, BD, DB, AB, CD, CA, AC, EF, FE
- 15, 16 according to colour chart
- 17 – standard connection
  - A atypical design
  - X design 1 MPa (10 bar)
  - T design 1 MPa (10 bar) + typical design

Note: List selected convector modifications behind the code (e.g. thread 3/4”, wall brackets, without grill, ...)
DIMENSIONS
Length: 400–2 000 mm by 100 mm, 2 000–6 000 mm by 200 mm
Height: 70, 140, 210, 280 mm
Convector types and depths are listed in the table below.

SPECIFICATIONS
Connection: 2xG1/2" inner, spacing 50 mm
Max. operating overpressure: 0.6 MPa (standard) or 1.0 MPa (per order)
Max. operating temperature: 110 °C
Heating system: double pipe with induced circulation
Ambient conditions: +2 to 45 °C, at relative humidity 20–70%

CONVECTOR WITH VALVES TYPES AND DEPTHS

<table>
<thead>
<tr>
<th>B</th>
<th>K21</th>
<th>K22</th>
<th>K32</th>
<th>K33</th>
<th>K43</th>
<th>K44</th>
<th>K54</th>
<th>K55</th>
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</thead>
<tbody>
<tr>
<td>72</td>
<td></td>
<td></td>
<td>133</td>
<td></td>
<td>194</td>
<td></td>
<td>255</td>
<td></td>
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<tr>
<td>111</td>
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<td></td>
<td>172</td>
<td></td>
<td>233</td>
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<td>294</td>
<td></td>
</tr>
<tr>
<td>133</td>
<td></td>
<td></td>
<td>194</td>
<td></td>
<td>255</td>
<td></td>
<td>316</td>
<td></td>
</tr>
</tbody>
</table>

Steel convector with lamellar radiating surfaces and inner interchange fins.
Installation: interior by the wall by the window

Steel convector with lamellar radiating surfaces and inner and outer interchange fins
Installation: by the wall by the window

Steel convector with lamellar radiating surfaces and inner and outer interchange fins and rear shield.
Installation: by the window (prevents radiation losses in window surface)

* Thermostatic head is not part of the convector

BASIC DESIGN
Colour: white RAL 9016, other colours according to colour chart
Grill: upper wire grill
Mounting: stands with plastic covers or wall mounting brackets per order (instead of stand)
Connection: 2xG1/2" inner, per order right or left, connection span 50 mm (see detail on the next page).
Installed thermostatic valve Heimeier (Danfoss per order)

CONVECTOR BASIC EQUIPMENT (VR valve design)


* Thermostatic head is not part of the convector
RADIANT CONVECTORS WITH VALVE

CONVECTOR CONNECTION DIMENSIONS

<table>
<thead>
<tr>
<th>K21, K32, K43, K54</th>
<th>K22, K33, K44, K55</th>
<th>K22W, K33W, K44W, K55W</th>
</tr>
</thead>
<tbody>
<tr>
<td>B=72, 133, 194, 255 mm</td>
<td>B=111, 172, 233, 294 mm</td>
<td>B=133, 194, 255, 316 mm</td>
</tr>
</tbody>
</table>

CONNECTION SPACING

2xG1/2” inner, span 50 mm

INNER DESIGN OF VALVE CONNECTION

WALL OFFSET

STAND BRACKET

THERMOSTATIC HEAD

Thermostatic head Heimeier, K type, with built-in probe, Sparclip arresters, white colour (range 6–28 °C, anti-freezing protection) will be delivered per order.

- Thermostatic head is ordered as a separate feature.

ORDER EXAMPLE

- K33W01401700VL01
  Steel convector with left-side valve in design K33W with grill, height 140 mm, length 1 700 mm, colour 01 – RAL 9016 Bottom stands with plastic cover
- K33W01402500VL013T, wall bracket
  Steel convector with left-side valve in design K33W with grill, height 140 mm, intermediate length 2 500 mm, colour 13 – RAL 1019, max. overpressure 10 bar, wall brackets

CODING

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<th>14</th>
<th>15</th>
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<tbody>
<tr>
<td>K</td>
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<td>0</td>
<td>V</td>
<td>R</td>
<td>0</td>
<td>1</td>
<td>A</td>
</tr>
</tbody>
</table>

CONVECTOR DESIGN OPTIONS

Valve: Danfoss (assembled instead of standard Heimeier valve)

Max. operating overpressure: 1 MPa (10 bar)

Intermediate length: for example 2 100 mm (price as for 2 200 mm length)

Colour: according to colour chart

Wall brackets: added instead of stand

POSITION SINGLE POSITION OPTIONS

| 1, 2, 3, 4 | K21-, K32-, K43-, K54-, K22-, K33-, K44, K55, K22W, K33W, K44W, K55W |
| 5, 6, 7, 8 | convector height 0070, 0140, 0210, 0280 mm |
| 9, 10, 11, 12 | convector length 0400, 0500, ..., 2000 by 100 mm, 2200, 2400, ..., 6000 by 200 mm |
| 13, 14 | VR – right valve (standard), VL – left valve |
| 15, 16 | according to colour chart |
| 17 | – standard connection |
| A | atypical design |
| X | construction 1 MPa (10 bar) |
| T | construction 1 MPa (10 bar) + atypical design |

Note: list selected convector modifications behind the code (e.g. wall brackets, without grill, ...)

15
DIMENSIONS
Length: 600–2 000 mm by 100 mm, 2 000–4 000 mm by 200 mm
Height: 140, 210, 280 mm
Convector types and depths are listed in the table below.

SPECIFICATIONS
Connection: 2xG1/2" inner, span 50 mm
Max. operating overpressure: 0.6 MPa (standard) or 1.0 MPa (per order)
Max. operating temperature: 110 °C
Heating system: double pipe with induced circulation
Ambient conditions: +2 to 45 °C, at relative humidity 20–70%

CONVECTOR TYPES AND DEPTHS

<table>
<thead>
<tr>
<th>Type</th>
<th>B (mm)</th>
<th>Connection</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>K21</td>
<td>72</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the wall</td>
</tr>
<tr>
<td>K32</td>
<td>133</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the wall</td>
</tr>
<tr>
<td>K43</td>
<td>194</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the wall</td>
</tr>
<tr>
<td>K54</td>
<td>255</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K22</td>
<td>111</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the wall</td>
</tr>
<tr>
<td>K33</td>
<td>172</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the wall</td>
</tr>
<tr>
<td>K44</td>
<td>233</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K55</td>
<td>294</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K22W</td>
<td>133</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K33W</td>
<td>194</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K44W</td>
<td>255</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
<tr>
<td>K55W</td>
<td>316</td>
<td>2xG1/2&quot;, 50 mm</td>
<td>by the window</td>
</tr>
</tbody>
</table>

BASIC DESIGN (included in convector price)
Colour: white RAL 9016
other colours according to colour chart
Grill: upper wire grill
Mounting: stands with plastic covers or wall mounting brackets per order (interchange for stands)
Connection: 2xG1/2", spacing 50 mm
(2 pcs. – cap, air-relief valve)

PHOTO OF MIDDLE CONNECTION

CONVECTOR BASIC EQUIPMENT
CONVECTOR CONNECTION DIMENSIONS

<table>
<thead>
<tr>
<th>K21, K32, K43, K54</th>
<th>K22, K33, K44, K55</th>
</tr>
</thead>
<tbody>
<tr>
<td>B=72, 133, 194, 255mm</td>
<td>B=111, 172, 233, 294mm</td>
</tr>
<tr>
<td>H=140mm</td>
<td>H=140mm</td>
</tr>
<tr>
<td>H=210mm</td>
<td>H=210mm</td>
</tr>
<tr>
<td>H=280mm</td>
<td>H=280mm</td>
</tr>
</tbody>
</table>

CONNECTION OPTION

- MS (SM) MIDDLE CONNECTION with valve at the left side
- SR MIDDLE CONNECTION with valve at the right side
- ML MIDDLE CONNECTION

ORDER EXAMPLE
- K22–01401900MS 01 – steel convector with middle connection in design K22 with grill, height 140 mm, length 1 900 mm, colour 01 – RAL 9016, stands with plastic cover
- K22–01401900MS 1ST, wall bracket – steel convector with middle connection in design K22 with grill, height 140 mm, length 1 900 mm, colour 15 – RAL 6034, max. overpressure 10 bar, wall brackets

Thermostatic head Heimeier, K type, with built-in probe, Sparclip arresters, white colour (range 6–28 °C, anti-freezing protection) will be delivered per order.

* Thermostatic head is ordered as a separate feature.

CONVECTOR DESIGN OPTIONS

- Max. operating overpressure: 1 MPa (10 bar)
- Intermediate length: e.g. 2 100 mm (price as for 2 200 mm length)
- Colour: according to colour chart
- Wall brackets: added instead of stands

CODING

<table>
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</table>

POSITION SINGLE POSITION OPTIONS

- 1, 2, 3, 4 – K21, K32, K43, K54, K22, K33, K44, K55, K22W, K33W, K44W, K55W
- 5, 6, 7, 8 – convector height 0140, 0210, 0280 mm
- 9, 10, 11, 12 – convector length 0600, 0700, ..., 2000 mm by 100 mm
- 2200, 2400, ..., 4000 mm by 200 mm
- 13, 14 – MS – middle connection (MS, SM)
- ML, SR – middle connection with valve left / right
- 15, 16 – according to colour chart
- 17 – standard connection
  - A – atypical design
  - X – construction 1 MPa (10 bar)
  - T – construction 1 MPa (10 bar) + atypical design

Note: list selected convector modifications behind the code (wall brackets, no grill,...)
### HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

#### K21

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Length [mm]</th>
<th>Water capacity [°C]</th>
<th>Weight [kg]**</th>
<th>exponent n=1,2943</th>
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<tbody>
<tr>
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<td>400 500 600</td>
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<td></td>
<td>900 1000 1100</td>
<td></td>
<td>0.8 0.9</td>
<td>3.7 4.3</td>
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<td></td>
<td>1200 1300 1400</td>
<td></td>
<td>1.0 1.1</td>
<td>4.9 5.5</td>
</tr>
<tr>
<td></td>
<td>1500 1600 1700</td>
<td></td>
<td>1.3 1.4</td>
<td>6.0 6.7</td>
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<td>1.4 1.5</td>
<td>6.4 7.2</td>
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<td></td>
<td>2200 2300 2400</td>
<td></td>
<td>1.6 1.7</td>
<td>6.7 7.8</td>
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<tr>
<td></td>
<td>2500 2600 2800</td>
<td></td>
<td>1.7 1.8</td>
<td>6.8 7.9</td>
</tr>
<tr>
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<td>2600 2700 2800</td>
<td></td>
<td>1.8 2.0</td>
<td>2.1 2.3</td>
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<tr>
<td></td>
<td>2900 3000 3200</td>
<td></td>
<td>2.0 2.1</td>
<td>2.5 2.6</td>
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#### K22, K22W

<table>
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<th>Water capacity [°C]</th>
<th>Weight [kg]**</th>
<th>exponent n=1,3049</th>
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<tr>
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<td>90/70/20°C</td>
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<td>2.9 3.5</td>
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<td></td>
<td>900 1000 1100</td>
<td></td>
<td>0.8 0.9</td>
<td>4.9 5.6</td>
</tr>
<tr>
<td></td>
<td>1200 1300 1400</td>
<td></td>
<td>1.0 1.1</td>
<td>6.3 6.8</td>
</tr>
<tr>
<td></td>
<td>1500 1600 1700</td>
<td></td>
<td>1.2 1.4</td>
<td>6.6 7.0</td>
</tr>
<tr>
<td></td>
<td>1800 1900 2000</td>
<td></td>
<td>1.4 1.6</td>
<td>6.8 7.4</td>
</tr>
<tr>
<td></td>
<td>2200 2300 2400</td>
<td></td>
<td>1.6 1.8</td>
<td>6.9 7.6</td>
</tr>
<tr>
<td></td>
<td>2500 2600 2800</td>
<td></td>
<td>1.8 2.0</td>
<td>2.1 2.3</td>
</tr>
<tr>
<td></td>
<td>2600 2700 2800</td>
<td></td>
<td>2.0 2.1</td>
<td>2.5 2.6</td>
</tr>
</tbody>
</table>

### Water capacity [l]

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Length [mm]</th>
<th>Water capacity [°C]</th>
<th>Water capacity [l]**</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>400 500 600</td>
<td>90/70/20°C</td>
<td>0.6 0.7</td>
</tr>
<tr>
<td></td>
<td>900 1000 1100</td>
<td></td>
<td>0.8 0.9</td>
</tr>
<tr>
<td></td>
<td>1200 1300 1400</td>
<td></td>
<td>1.0 1.1</td>
</tr>
<tr>
<td></td>
<td>1500 1600 1700</td>
<td></td>
<td>1.3 1.4</td>
</tr>
<tr>
<td></td>
<td>1800 1900 2000</td>
<td></td>
<td>1.4 1.5</td>
</tr>
<tr>
<td></td>
<td>2200 2300 2400</td>
<td></td>
<td>1.6 1.7</td>
</tr>
<tr>
<td></td>
<td>2500 2600 2800</td>
<td></td>
<td>1.7 1.8</td>
</tr>
<tr>
<td></td>
<td>2600 2700 2800</td>
<td></td>
<td>1.8 2.0</td>
</tr>
</tbody>
</table>

Thermal power measuring follows in accordance with EN 442-2.

---

* ** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar × 1.2)
* * empty body weight without packaging; version 6bar (10bar radiator mass = 6bar × 0.9)
* ** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar × 1.2)

*Version 6bar, (10 bar radiator capacity = 6bar × 0.9)*

Thermal power measuring follows in accordance with EN 442-2.
HEATING OUTPUTS, WEIGHS & WATER CAPACITY

**K32**

Height | Length | Weight [kg]** | Water capacity [l]**
---|---|---|---
70 mm | 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 | 119 149 179 209 239 269 298 328 358 388 418 448 477 507 537 567 597 627 648 678 708 738 768 798 828 | 0.9 1.1 1.2 1.4 1.5 1.7 1.8 2.0 2.1 2.3 2.4 2.6 2.7 2.9 3.0 3.2 3.3 3.6 3.9 4.2 4.5 4.8 5.1 5.4 | 2800-6000

**K33, K33W**

Height | Length | Weight [kg]** | Water capacity [l]**
---|---|---|---
70 mm | 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 | 117 147 177 207 237 267 297 327 357 387 417 447 477 507 537 567 597 627 657 687 717 747 777 807 837 | 0.9 1.1 1.2 1.4 1.5 1.7 1.8 2.0 2.1 2.3 2.4 2.6 2.7 2.9 3.0 3.2 3.3 3.6 3.9 4.2 4.5 4.8 5.1 5.4 | 2800-6000

Water capacity [W]**

- 55/45/20°C
- 75/65/20°C
- 90/70/20°C

**K32**

**K33, K33W**
## HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

### K43

#### 70 mm

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>Length [mm]</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>500 600 700</td>
<td>894 1121 1348</td>
<td>18.2 22.2 26.5</td>
<td>894 1121 1348</td>
<td>18.2 22.2 26.5</td>
</tr>
<tr>
<td>90/70°C</td>
<td>1400 1600 1800</td>
<td>2188 2515 2842</td>
<td>37.2 44.8 52.4</td>
<td>2188 2515 2842</td>
<td>37.2 44.8 52.4</td>
</tr>
<tr>
<td>75/65°C</td>
<td>1400 1600 1800</td>
<td>2380 2707 3034</td>
<td>40.3 48.9 57.5</td>
<td>2380 2707 3034</td>
<td>40.3 48.9 57.5</td>
</tr>
<tr>
<td>55/45°C</td>
<td>1400 1600 1800</td>
<td>2572 2899 3226</td>
<td>47.4 56.0 64.6</td>
<td>2572 2899 3226</td>
<td>47.4 56.0 64.6</td>
</tr>
</tbody>
</table>

### K44, K44W

#### 70 mm

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>Length [mm]</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>500 600 700</td>
<td>885 1112 1339</td>
<td>18 22 26.5</td>
<td>885 1112 1339</td>
<td>18 22 26.5</td>
</tr>
<tr>
<td>90/70°C</td>
<td>1400 1600 1800</td>
<td>2178 2505 2832</td>
<td>36.8 45.4 54.0</td>
<td>2178 2505 2832</td>
<td>36.8 45.4 54.0</td>
</tr>
<tr>
<td>75/65°C</td>
<td>1400 1600 1800</td>
<td>2370 2697 3024</td>
<td>43.9 52.5 61.0</td>
<td>2370 2697 3024</td>
<td>43.9 52.5 61.0</td>
</tr>
<tr>
<td>55/45°C</td>
<td>1400 1600 1800</td>
<td>2562 2889 3216</td>
<td>51.0 59.6 68.2</td>
<td>2562 2889 3216</td>
<td>51.0 59.6 68.2</td>
</tr>
</tbody>
</table>

### 140 mm

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>Length [mm]</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>500 600 700</td>
<td>876 1103 1329</td>
<td>17.8 22.2 26.5</td>
<td>876 1103 1329</td>
<td>17.8 22.2 26.5</td>
</tr>
<tr>
<td>90/70°C</td>
<td>1400 1600 1800</td>
<td>2168 2495 2822</td>
<td>36.4 45.0 53.6</td>
<td>2168 2495 2822</td>
<td>36.4 45.0 53.6</td>
</tr>
<tr>
<td>75/65°C</td>
<td>1400 1600 1800</td>
<td>2360 2687 3014</td>
<td>43.5 52.1 60.6</td>
<td>2360 2687 3014</td>
<td>43.5 52.1 60.6</td>
</tr>
<tr>
<td>55/45°C</td>
<td>1400 1600 1800</td>
<td>2552 2879 3206</td>
<td>50.6 59.2 67.7</td>
<td>2552 2879 3206</td>
<td>50.6 59.2 67.7</td>
</tr>
</tbody>
</table>

### 280 mm

<table>
<thead>
<tr>
<th>Height [mm]</th>
<th>Length [mm]</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
<th>Water Output [°C]</th>
<th>Weight [kg]**</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>500 600 700</td>
<td>867 1094 1320</td>
<td>17.5 21.8 26.2</td>
<td>867 1094 1320</td>
<td>17.5 21.8 26.2</td>
</tr>
<tr>
<td>90/70°C</td>
<td>1400 1600 1800</td>
<td>2159 2486 2813</td>
<td>35.8 44.4 52.9</td>
<td>2159 2486 2813</td>
<td>35.8 44.4 52.9</td>
</tr>
<tr>
<td>75/65°C</td>
<td>1400 1600 1800</td>
<td>2351 2677 2994</td>
<td>42.9 51.5 60.1</td>
<td>2351 2677 2994</td>
<td>42.9 51.5 60.1</td>
</tr>
<tr>
<td>55/45°C</td>
<td>1400 1600 1800</td>
<td>2543 2869 3196</td>
<td>50.0 58.6 67.1</td>
<td>2543 2869 3196</td>
<td>50.0 58.6 67.1</td>
</tr>
</tbody>
</table>

* version 6bar; (10 bar radiator capacity = 6bar × 0,9)
** empty body weight without packaging; version 6bar [10bar radiator mass = 6bar × 1,2]

*Thermal power measuring follows in accordance with EN 442-2.

---

### 20 mm

**version 6bar; (10 bar radiator capacity = 6bar × 0,9)
** empty body weight without packaging; version 6bar [10bar radiator mass = 6bar × 1,2]
HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

## K54

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>70</th>
<th>140</th>
<th>280</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water capacity [°C]</td>
<td>210</td>
<td>210</td>
<td>210</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>7.1 87 104 121 137 154 170 188 204 220 236 254 270 286 303 320 336 369 436 710 W/m</td>
<td>285 324 363 402 441 480 519 558 612 676 740 804 868 932 996 1060 1124 1188 1252 1368 W/m</td>
<td>455 514 573 632 691 750 810 870 930 1000 1070 1130 1190 1290 1350 1410 1470 1530 1590 1650 W/m</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>14.3 17.6 21.0 24.5 28.0 31.5 35.0 38.5 42.0 45.5 49.0 52.5 56.0 59.5 63.0 66.5 70.0 73.5 77.0 80.5 84.0 W/m</td>
<td>110 127 144 161 178 195 212 229 246 263 280 297 314 331 348 365 382 399 416 433 W/m</td>
<td>550 663 776 889 1002 1115 1228 1341 1454 1567 1680 1793 1906 2019 2132 2245 2358 2471 2584 2697 W/m</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>212 265 318 371 424 478 531 584 637 690 743 796 849 902 955 1008 1061 1114 1167 1220 1380 W/m</td>
<td>814 1017 1221 1426 1631 1836 2041 2246 2451 2651 2851 3051 3251 3451 3651 3851 4051 4251 4451 W/m</td>
<td>331 414 497 580 663 745 828 911 994 1077 1159 1242 1325 1408 1491 1574 1657 1740 1823 1906 W/m</td>
</tr>
</tbody>
</table>

## K55, K55W

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>70</th>
<th>140</th>
<th>280</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water capacity [°C]</td>
<td>1,7 1,9 2,2 2,4 2,7 2,9 3,2 3,4 3,7 4,0 4,3 4,6 4,9 5,2 5,5 5,8 6,1 6,4 6,7 7,0</td>
<td>2,4 2,7 3,0 3,3 3,6 3,9 4,2 4,5 4,8 5,1 5,4 5,7 6,0 6,3 6,6 6,9 7,2 7,5 7,8 8,1</td>
<td>2,7 3,0 3,3 3,6 3,9 4,2 4,5 4,8 5,1 5,4 5,7 6,0 6,3 6,6 6,9 7,2 7,5 7,8 8,1 8,4</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>7.1 87 104 121 137 154 170 188 204 220 236 254 270 286 303 320 336 369 436 710 W/m</td>
<td>285 324 363 402 441 480 519 558 612 676 740 804 868 932 996 1060 1124 1188 1252 1368 W/m</td>
<td>455 514 573 632 691 750 810 870 930 1000 1070 1130 1190 1290 1350 1410 1470 1530 1590 1650 W/m</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>14.3 17.6 21.0 24.5 28.0 31.5 35.0 38.5 42.0 45.5 49.0 52.5 56.0 59.5 63.0 66.5 70.0 73.5 77.0 80.5 84.0 W/m</td>
<td>110 127 144 161 178 195 212 229 246 263 280 297 314 331 348 365 382 399 416 433 W/m</td>
<td>550 663 776 889 1002 1115 1228 1341 1454 1567 1680 1793 1906 2019 2132 2245 2358 2471 2584 2697 W/m</td>
</tr>
<tr>
<td>Weight [kg]**</td>
<td>212 265 318 371 424 478 531 584 637 690 743 796 849 902 955 1008 1061 1114 1167 1220 1380 W/m</td>
<td>814 1017 1221 1426 1631 1836 2041 2246 2451 2651 2851 3051 3251 3451 3651 3851 4051 4251 4451 W/m</td>
<td>331 414 497 580 663 745 828 911 994 1077 1159 1242 1325 1408 1491 1574 1657 1740 1823 1906 W/m</td>
</tr>
</tbody>
</table>

* version 6bar, (10 bar radiator capacity = 6bar × 0,9) Thermal power measuring follows in accordance with EN 442-2.
** empty body weight without packaging; version 6bar [10bar radiator mass = 6bar × 1,2]
LAMELLAR RADIATORS

Mounting kit includes features for fixing the radiators to concrete.

Position of the holder on the wall shall correspond to the assembly manual delivered with the radiator.

CONVECTORS

Number of stands and overview of the distribution on the convector

Length | Stands are included in the price and are part of the delivery.

Fitting the convector

Number of brackets and overview of the distribution on the convector

Length | Brackets, according to the requirements in the purchase order, are included in the price and are part of the delivery instead of the stand.

Fitting the convector

Number of stands / brackets K54, K55, K55W: 400-1000mm = 2 pcs., 1100-2000mm = 3 pcs., 2200-4000mm = 4 pcs., 4200-6000mm = 5 pcs.

RADIANT CONVECTORS WITH Middle CONNECTION

* RADIANT CONVECTORS WITH MIDDLE CONNECTION
  - Distance from the convector edge is fixed
  - Convector manufactured in lengths from 600–4 000 mm
**ACCESSORIES**

**CONVECTOR BRACKET**
Specify convector type while ordering bracket separately.

**CONVECTOR STAND**
Specify convector type while ordering bracket stands separately.

**THERMOSTATIC HEAD**
Thermostatic head Heimeier, K type, with built-in probe, Sparclip arresters, white colour, range 6 - 28 °C, anti-freezing protection.

**CONVECTOR STAND COVER**
Please, check the cover colour at the personnel in the commercial department.

---

**ISAN REFERENCE COLOUR CHART**

<table>
<thead>
<tr>
<th>Colour series</th>
<th>Shade</th>
<th>Finish</th>
<th>Extra charge</th>
<th>Order code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S09</td>
<td>509</td>
<td>snow-white</td>
<td>30%</td>
<td>68</td>
</tr>
<tr>
<td>RAL 9018</td>
<td>papyrus</td>
<td>metallic</td>
<td>30%</td>
<td>14</td>
</tr>
<tr>
<td>S27</td>
<td>khaki</td>
<td>texture</td>
<td>30%</td>
<td>21</td>
</tr>
<tr>
<td>RAL 3002</td>
<td>fairy red</td>
<td>-</td>
<td>30%</td>
<td>08</td>
</tr>
<tr>
<td>S28</td>
<td>gold oliv</td>
<td>texture</td>
<td>30%</td>
<td>22</td>
</tr>
<tr>
<td>RAL 5014</td>
<td>pigeon blue</td>
<td>-</td>
<td>30%</td>
<td>07</td>
</tr>
<tr>
<td>S03</td>
<td>copper</td>
<td>metallic</td>
<td>30%</td>
<td>62</td>
</tr>
<tr>
<td>S05</td>
<td>silver</td>
<td>metallic</td>
<td>30%</td>
<td>64</td>
</tr>
<tr>
<td>S33</td>
<td>cinnamon</td>
<td>texture</td>
<td>30%</td>
<td>29</td>
</tr>
<tr>
<td>S41</td>
<td>RAL 9016</td>
<td>antibacterial*</td>
<td>30%</td>
<td>88</td>
</tr>
<tr>
<td>S20</td>
<td>transparent paint</td>
<td>-</td>
<td>30%</td>
<td>84</td>
</tr>
</tbody>
</table>

---

**Special treatment**

**RAL surcharge**
Other RAL colours (1-10 pc) - 40% surcharge
Other RAL colours (over 10 pc) - individual calculation

---

* A silver-ion antibacterial finish provides protection against a wide range of bacteria and fungi.

The printed version of the colour chart is for reference only and does not correspond to the actual surface treatment shades.