



EXACT



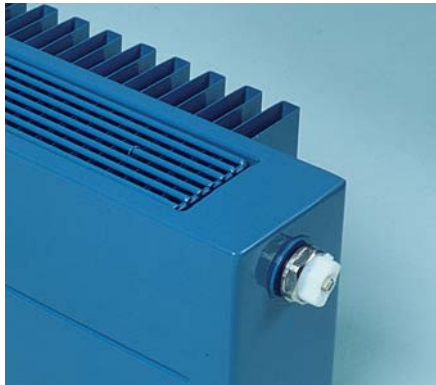
**Convectors
and lamellar radiators**

ABOUT THE COMPANY

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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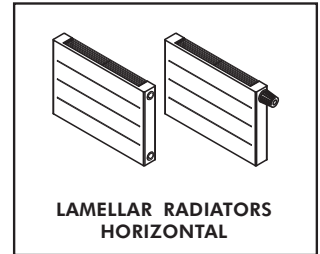
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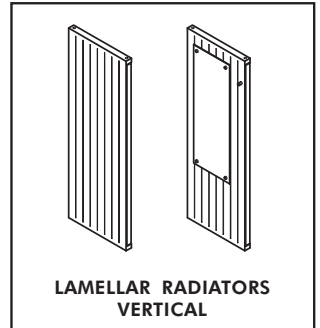
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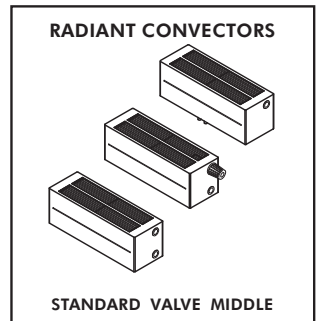
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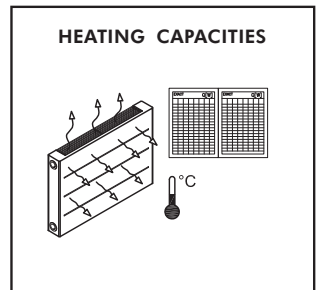
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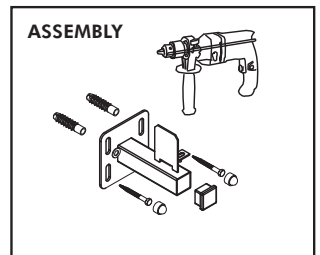
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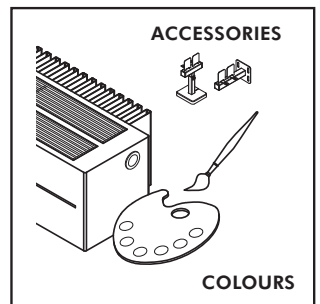
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BASIC INFORMATION

Lamellar radiators and convectors are heating units manufactured from steel hollow sections with rectangular cross-section 70 x11mm for maximum operational overpressure 0.5 MPa (0.6 MPa) and per order for operational overpressure 1.0 MPa.

Convectors 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. Convectors 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 noticed 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 dully 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

POSITION NO.																
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
F	1	0	H	0	5	6	0	1	2	0	0	A	B	0	1	-
MODEL			HEIGHT				LENGTH				CONNECT.		COLOUR		ATYP.	

1, 2, 3, 4 Lamella radiator, 1 heating plate, horizontal, height 560mm, length 1200mm, connection AB, snow white RAL 9016

- | | |
|---|--|
| <p>K21 – Radiant convector, 2 heating plates, 1 auxiliary surface</p> <p>K32 – Radiant convector, 3 heating plates, 2 auxiliary surfaces</p> <p>K43 – Radiant convector, 4 heating plates, 3 auxiliary surfaces</p> <p>K54 – Radiant convector, 5 heating plates, 4 auxiliary surfaces</p> <p>K22 – Radiant convector, 2 heating plates, 2 auxiliary surfaces</p> <p>K33 – Radiant convector, 3 heating plates, 3 auxiliary surfaces</p> <p>K44 – Radiant convector, 4 heating plates, 4 auxiliary surfaces</p> <p>K55 – Radiant convector, 5 heating plates, 5 auxiliary surfaces</p> <p>K22 W – Radiant convector, 2 heating plates, 2 auxiliary surfaces and rear reflection shield</p> | <p>K33 W – Radiant convector, 3 heating plates, 3 auxiliary surfaces and rear reflection shield</p> <p>K44 W – Radiant convector, 4 heating plates, 4 auxiliary surfaces and rear reflection shield</p> <p>K55 W – Radiant convector, 5 heating plates, 5 auxiliary surfaces and rear reflection shield</p> <p>F10 H – Lamellar radiator, 1 heating plate, horizontal</p> <p>F20 H – Lamellar radiator, 2 heating plates, horizontal</p> <p>F10 V – Lamellar radiator, 1 heating plate, vertical</p> <p>F10 L – Lamellar radiator, 1 heating plate, vertical. Lux</p> |
|---|--|

5, 6, 7, 8 Height (mm)

F10H, F20H				F10V				F10L				RADIANT CONVECTORS					
0	2	8	0	0	4	0	0	1	6	0	0	*	0	0	7	0	**
0	4	2	0	0	5	0	0	1	8	0	0		0	1	4	0	
0	5	6	0		†	0							0	2	1	0	
0	7	0	0	2	8	0	0						0	2	8	0	
				3	0	0	0										

* Only these two heights,

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

9, 10, 11, 12 Length (mm)

F10H, F20H				F10V				F10L*				RADIANT CONVECTORS**					
0	4	0	0	0	2	8	0	0	5	6	0		0	4	0	0	
0	5	0	0	0	4	2	0	0	7	0	0		0	5	0	0	
		†	0	0	5	6	0										
2	8	0	0	0	7	0	0						5	8	0	0	
3	0	0	0										6	0	0	0	

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.

13, 14 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)
F10V, F10L – AD, CB, BD, DB, MS, SM

radiant convectors* – AD, CB, BD, DB, AB, CD, AC, CA, EF, FE
VL, VR – left/right valve (VR as standard)
MS – middle connection (MS, SM)
ML, SR – middle connection with valve left/right

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

15, 16 Colour code

Code	RAL / sign	Code	RAL / sign	Code	RAL / sign	Code	RAL / sign	Code	RAL / sign	Code	RAL / sign
01	9016	14	9018	26	S32	50	S38	68	S09	99	OTHER
04	9001	21	S27	27	S33	51	S40	69	S10		
06	6021	22	S28	28	S34	61	S02	72	S13		
07	5014	23	S29	29	S35	62	S03	88	S41		
08	3002	24	S30	48	S36	64	S05	83	S19		
09	S26	25	S31	49	S37	67	S08	84	S20		

17 Atypical

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

EXACT

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)

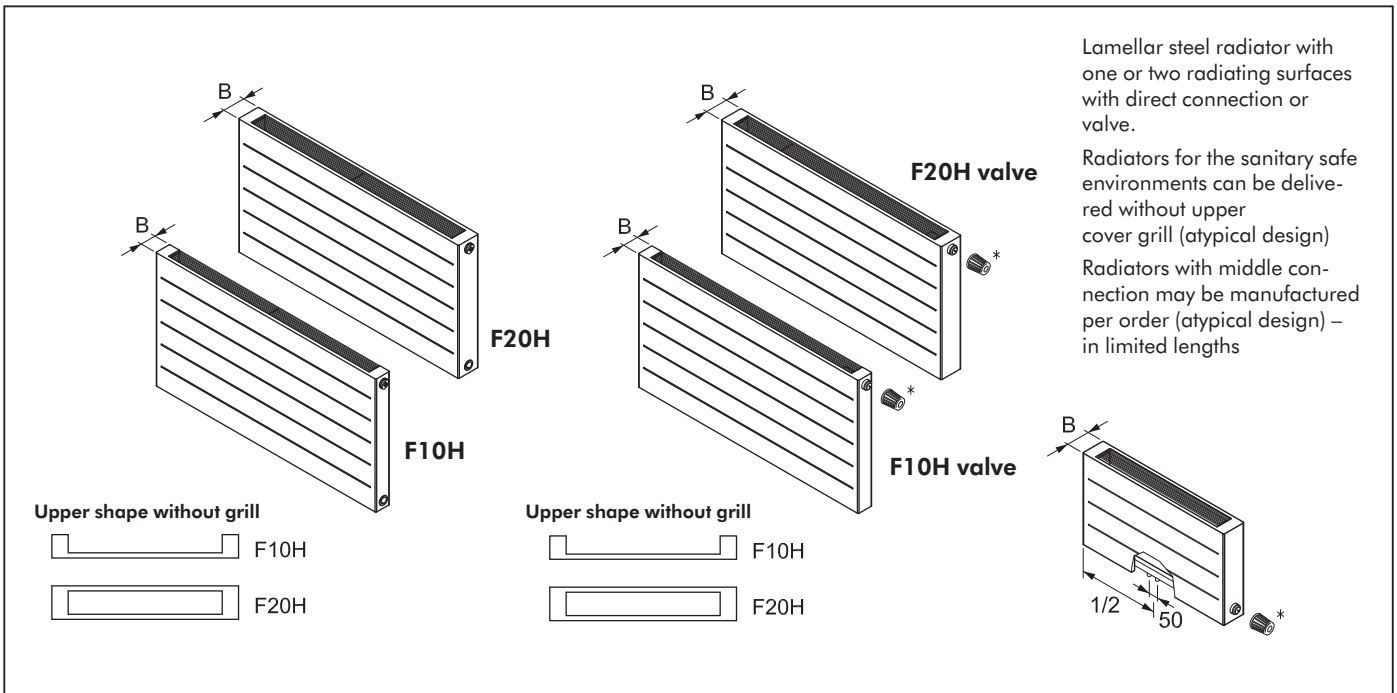
Max. operating temperature: 110 °C

Heating system: double pipe with induced circulation

Ambient conditions: +2 to 45 °C, at relative humidity 20–70%



RADIATOR TYPES

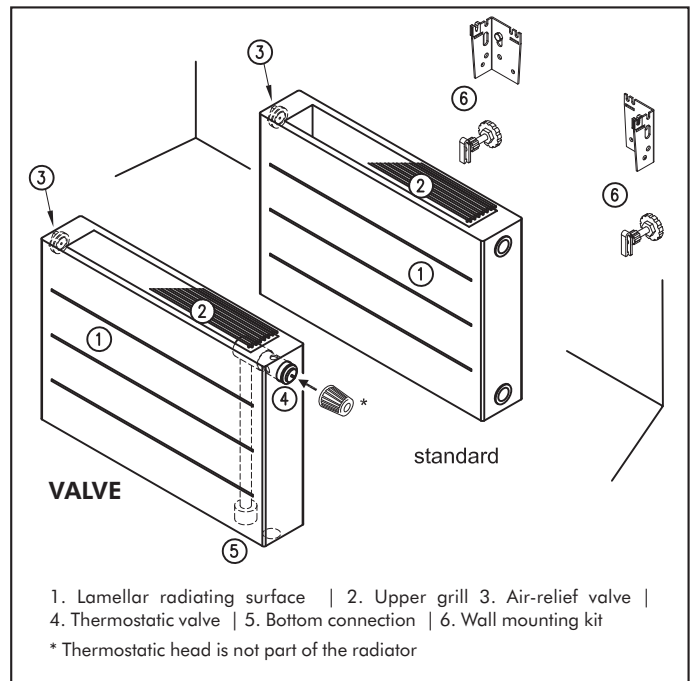


* Thermostatic head is not part of the radiator

BASIC DESIGN

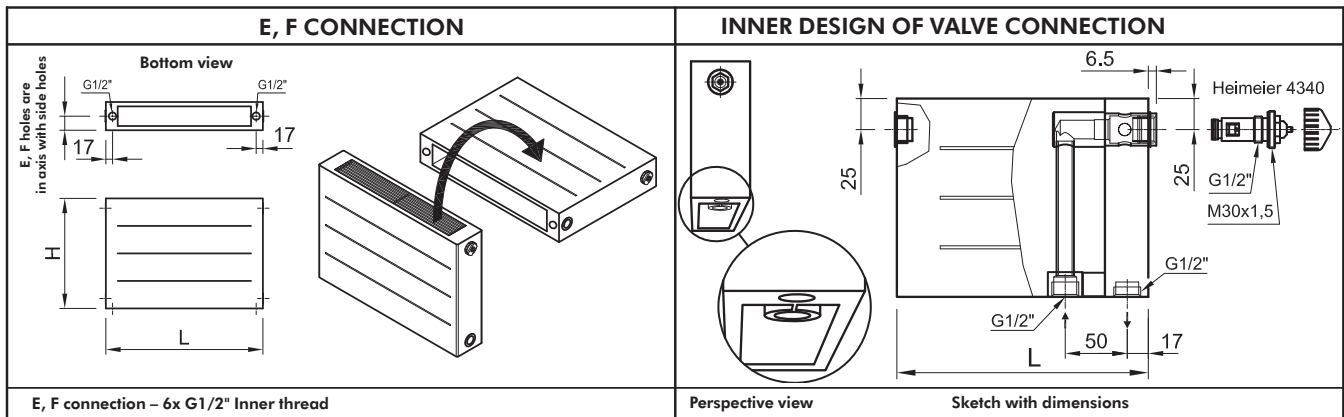
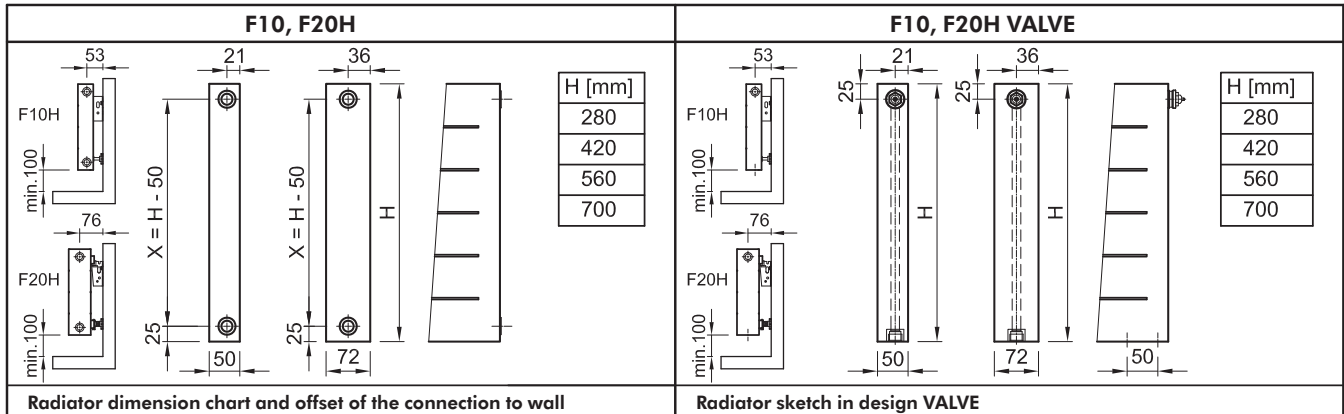
- Colour:** white RAL 9016
other colours according to colour chart
- Grill:** upper wire grill
- Mounting:** wall-mounting kit includes hinges, balance braces, screws and sockets (for mounting to concrete)
- Connection: STANDARD**
4xG1/2"
(3 pcs. cap + 1 pcs. of air-relief valve)
6xG1/2" in design E, 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 BASIC EQUIPMENT (e.g. as on F20H, F20H valve)

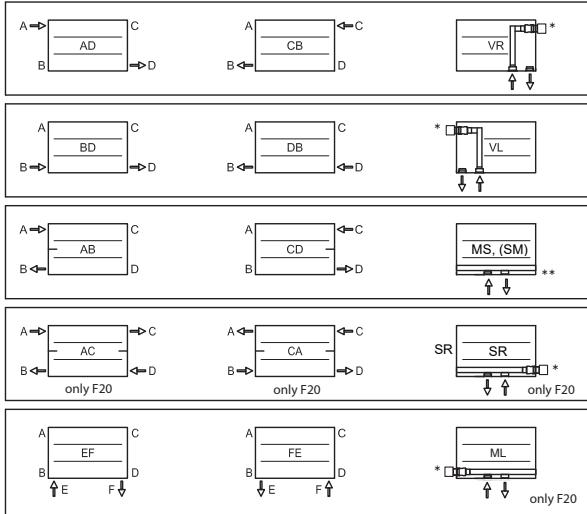


LAMELLAR RADIATORS – HORIZONTAL

RADIATOR CONNECTION DIMENSIONS



CONNECTION OPTION F10 we do not supply with connection AC, CA



* Note: Thermostatic head is not part of the radiator

**Note.: Connection MS - the water inlet on the left, SM connection - the water inlet on the right

CODING

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
F	2	0	H	0	4	2	0	1	5	0	0	A	B	0	1	A
TYPE				HEIGHT				LENGTH				CONNECT.	COLOUR	ATYP.		

ORDER EXAMPLE

■ F10H05601900AD01

Lamellar steel radiator in design F10H with grill, AD, height 560 mm, length 1 900 mm, colour 01 – RAL 9016

■ F10H05602300AC15T, G3/4", without grill

Radiator in design F10H without grill, AC, height 560 mm, intermediate length 2 300 mm, colour 15 – RAL 6034, max. overpressure 10 bar, internal design AC, connection G3/4" inner

RADIATOR DESIGN OPTIONS

Connection: 4xG3/4" (not applicable for VALVE)

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

Valve: Danfoss (for VALVE type)

(assembled instead of standard Heimeier valve)

Max. operating overpressure: 1 MPa (10 bar)

Intermediate length: e.g. 2100 mm
(price as for 2 200 mm length)

Colour: according to colour chart

POSITION SINGLE POSITION OPTIONS

- 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,, 2000 by 100 mm
2200, 2400,, 3000 by 200 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
SR (F20 only) valve on the right down side
- 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 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

<p>Side view F10V</p>	<p>Side view F10L (LUX)</p>	<p>Side view F10V (with middle connection)</p>	<p>Lamellar vertical steel radiator with one radiating surface (supply with middle connection).</p> <p>F10V: Lamellar radiator delivered in four widths and random heights from 400 to 2 000 mm.</p> <p>F10L (LUX): Lamellar radiator delivered in two widths and two heights.</p> <p>The mirror increases end-use properties of the radiator. The radiator can be furnished as aesthetic feature in the living rooms or in bathrooms.</p> <p>Coat or towel hanger is part of the delivery.</p>
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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)

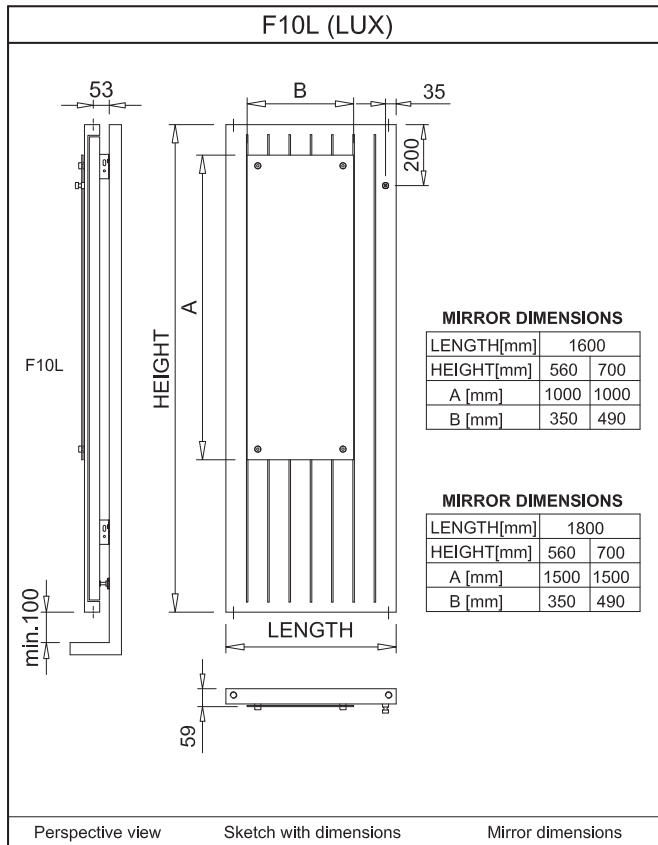
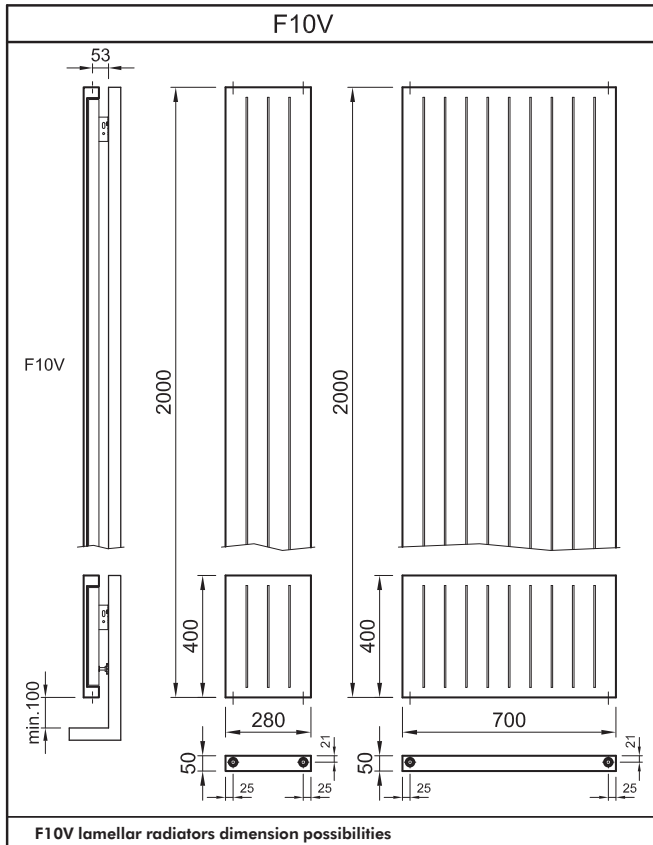
RADIATOR BASIC EQUIPMENT

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

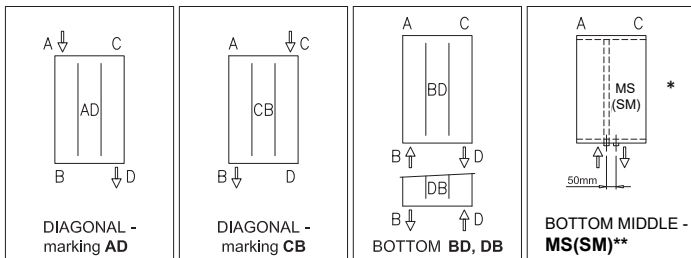
F10V **F10L (LUX)**

LAMELLAR RADIATORS – VERTICAL

RADIATOR CONNECTION DIMENSIONS



CONNECTION OPTIONS



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

** Connection MS - the water inlet on the left, SM connection - the water inlet on the right

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. 1 850 mm
(price as for 1 900 mm length)

Colour: according to colour chart

CODING

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
F	1	0	L	1	6	0	0	0	7	0	0	B	D	0	1	-
TYPE				HEIGHT				LENGTH				CONNECT.	COLOUR	ATYP.		

ORDER EXAMPLE

■ F10V19000560AD01

Lamellar vertical radiator F10V, AD, height 1 900 mm, length 560 mm, colour 01 – RAL 9016

■ F10V17500560AD15T, G3/4"

Radiator in design F10V AD, height-intermediate length 1 750 mm, length 560 mm, colour 15 – RAL 6034, max. overpressure 10 bar, connection G3/4" inner

POSITION SINGLE POSITION OPTIONS

- | | |
|------------|---|
| 1, 2, 3, 4 | F10V, F10L |
| 5, 6, 7, 8 | radiator height
F10V: 0400, 0500, ..., 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 |

Note: list selected radiator modifications behind the code (e. g. thread 3/4", ...)



EXACT

HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

F10H

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
280 mm	Water capacity [l]*	1,4	1,6	1,8	2,0	2,2	2,4	2,6	2,8	3,0	3,2	3,3	3,5	3,7	3,9	4,1	4,3	4,5	4,9	5,3	5,7	~2,6 l/m
	Weight [kg]**	2,5	3,1	3,7	4,3	4,9	5,5	6,0	6,7	7,2	7,8	8,4	9,0	9,6	10,2	10,7	11,3	11,9	13,1	14,3	15,5	~6,0 kg/m
	90/70/20°C [W]	169	211	254	296	338	380	423	465	508	549	591	634	676	719	760	803	845	930	1014	1099	423 W/m
	75/65/20°C [W]	135	169	203	237	270	304	338	372	406	439	473	507	541	575	608	642	676	744	811	879	338 W/m
	55/45/20°C [W]	72	90	109	127	144	163	181	199	217	235	253	271	290	308	325	344	362	398	434	470	181 W/m

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
420 mm	Water capacity [l]*	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,1	4,4	4,7	5,0	5,3	5,6	5,9	6,2	6,5	6,8	7,4	8,0	8,6	~3,9 l/m
	Weight [kg]**	7,1	8,5	9,9	11,3	12,7	14,1	15,5	16,8	18,2	19,6	21,0	22,4	23,8	25,2	26,6	28,0	29,3	32,1	34,9	37,7	~15,5 kg/m
	90/70/20°C [W]	240	301	361	421	481	541	601	661	721	781	841	903	963	1023	1083	1143	1203	1323	1443	1564	601 W/m
	75/65/20°C [W]	192	241	289	337	385	433	481	529	577	625	673	722	770	818	866	914	962	1058	1154	1251	481 W/m
	55/45/20°C [W]	103	129	155	180	206	232	257	283	309	334	360	386	412	438	463	489	515	566	618	669	257 W/m

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
560 mm	Water capacity [l]*	2,8	3,2	3,6	4,0	4,4	4,7	5,1	5,5	5,9	6,3	6,7	7,1	7,5	7,9	8,3	8,7	9,1	9,8	10,6	11,4	~5,1 l/m
	Weight [kg]**	9,4	11,3	13,1	15,0	16,8	18,7	20,5	22,4	24,3	26,1	28,0	29,8	31,7	33,5	35,4	37,2	39,1	42,8	46,5	50,2	~20,5 kg/m
	90/70/20°C [W]	309	386	463	540	618	694	771	849	925	1003	1080	1158	1234	1311	1389	1465	1543	1696	1851	2005	771 W/m
	75/65/20°C [W]	247	309	370	432	494	555	617	679	740	802	864	926	987	1049	1111	1172	1234	1357	1481	1604	617 W/m
	55/45/20°C [W]	132	165	198	231	264	297	330	363	396	429	462	496	528	561	595	627	660	726	793	858	330 W/m

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
700 mm	Water capacity [l]*	3,5	4,0	4,5	5,0	5,4	5,9	6,4	6,9	7,4	7,9	8,4	8,9	9,4	9,9	10,4	10,8	11,3	12,3	13,3	14,3	~6,4 l/m
	Weight [kg]**	11,9	14,2	16,6	18,9	21,2	23,5	25,8	28,1	30,5	32,8	35,1	37,4	39,7	42,0	44,4	46,7	49,0	53,6	58,3	62,9	~25,8 kg/m
	90/70/20°C [W]	375	469	561	655	749	843	936	1030	1124	1218	1311	1405	1498	1591	1685	1779	1873	2060	2248	2434	936 W/m
	75/65/20°C [W]	300	375	449	524	599	674	749	824	899	974	1049	1124	1198	1273	1348	1423	1498	1648	1798	1947	749 W/m
	55/45/20°C [W]	161	201	240	280	321	361	401	441	481	521	561	601	641	681	721	761	802	882	962	1042	401 W/m

* version 5bar, (10 bar radiator capacity = 5bar × 0,9)

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

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

F20H

exponent n=1,28

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
280 mm	Water capacity [l]*	2,3	2,7	3,1	3,5	3,9	4,3	4,7	5,0	5,4	5,8	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,4	10,1	10,9	~4,7 l/m
	Weight [kg]**	8,4	10,3	12,1	14,0	15,8	17,7	19,5	21,4	23,2	25,1	26,9	28,8	30,7	32,5	34,4	36,2	38,1	41,8	45,5	49,2	~19,5 kg/m
	90/70/20°C [W]	270	335	399	465	530	595	660	724	790	854	919	984	1049	1115	1179	1244	1309	1439	1568	1699	~660 W/m
	75/65/20°C [W]	214	265	316	368	419	471	522	573	625	676	727	779	830	882	933	984	1036	1139	1241	1344	~522 W/m
	55/45/20°C [W]	111	138	164	191	217	244	271	297	324	351	377	404	431	458	484	511	538	591	644	698	~271 W/m

exponent n=1,28

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
420 mm	Water capacity [l]*	3,5	4,0	4,6	5,2	5,8	6,4	7,0	7,6	8,2	8,8	9,3	9,9	10,5	11,1	11,7	12,3	12,9	14,0	15,2	16,4	~7,0 l/m
	Weight [kg]**	12,6	15,4	18,2	21,0	23,7	26,5	29,3	32,1	34,9	37,6	40,4	43,2	46,0	48,8	51,5	54,3	57,1	62,6	68,2	73,8	~29,3 kg/m
	90/70/20°C [W]	387	479	572	665	758	852	944	1038	1130	1223	1317	1409	1503	1595	1688	1781	1874	2060	2246	2431	~944 W/m
	75/65/20°C [W]	306	379	453	526	600	674	747	821	894	968	1042	1115	1189	1262	1336	1409	1483	1630	1777	1924	~747 W/m
	55/45/20°C [W]	159	197	235	273	311	350	388	426	464	502	541	579	617	655	693	731	770	846	922	999	~388 W/m

exponent n=1,28

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
560 mm	Water capacity [l]*	4,6	5,4	6,2	7,0	7,7	8,5	9,3	10,1	10,9	11,7	12,5	13,2	14,0	14,8	15,6	16,4	17,2	18,7	20,3	21,9	~9,3 l/m
	Weight [kg]**	16,8	20,5	24,3	28,0	31,7	35,4	39,1	42,8	46,5	50,2	53,9	57,6	61,3	65,0	68,7	72,4	76,1	83,5	90,9	98,3	~39,1 kg/m
	90/70/20°C [W]	498	618	738	858	978	1098	1218	1338	1458	1578	1699	1817	1937	2057	2193	2298	2418	2658	2898	3138	~1218 W/m
	75/65/20°C [W]	394	489	584	679	774	869	964	1059	1154	1249	1344	1438	1533	1628	1735	1818	1913	2103	2293	2483	~964 W/m
	55/45/20°C [W]	204	254	303	352	402	451	500	550	599	648	698	746	796	845	900	943	993	1091	1190	1289	~500 W/m

exponent n=1,28

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	> 2600
700 mm	Water capacity [l]*	5,8	6,7	7,7	8,7	9,7	10,7	11,7	12,6	13,6	14,6	15,6	16,6	17,5	18,5	19,5	20,5	21,5	23,4	25,4	27,3	~11,7 l/m
	Weight [kg]**	21,1	25,7	30,3	34,9	39,6	44,2	48,8	53,5	58,1	62,7	67,4	72,0	76,6	81,3	85,9	90,5	95,1	104,4	113,7	122,9	~48,8 kg/m
	90/70/20°C [W]	608	753	900	1045	1192	1338	1484	1630	1777	1922	2069	2215	2361	2507	2654	2799	2946	3238	3530	3823	~1484 W/m
	75/65/20°C [W]	481	596	712	827	943	1059	1174	1290	1406	1521	1637	1753	1868	1984	2100	2215	2331	2562	2793	3025	~1174 W/m
	55/45/20°C [W]	250	309	370	429	489	550	609	669	730	789	850	910	969	1030	1090	1150	1210	1330	1449	1570	~609 W/m

* version 5bar, (10 bar radiator capacity = 5bar × 0,9)

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

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

HEATING OUTPUTS, WEIGHTS & WATER CAPACITY



F10V

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
280 mm	Water capacity [l]*	1,4	1,6	1,8	2,0	2,2	2,4	2,6	2,8	3,0	3,2	3,3	3,5	3,7	3,9	4,1	4,3	4,5
	Weight [kg]**	2,5	3,1	3,7	4,3	4,9	5,5	6,0	6,7	7,2	7,8	8,4	9,0	9,6	10,2	10,7	11,3	11,9
	90/70/20°C [W]	169	211	254	296	338	380	423	465	508	549	591	634	676	719	760	803	845
	75/65/20°C [W]	135	169	203	237	270	304	338	372	406	439	473	507	541	575	608	642	676
	55/45/20°C [W]	72	90	109	127	144	163	181	199	217	235	253	271	290	308	325	344	362

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
420 mm	Water capacity [l]*	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,1	4,4	4,7	5,0	5,3	5,6	5,9	6,2	6,5	6,8
	Weight [kg]**	7,1	8,5	9,9	11,3	12,7	14,1	15,5	16,8	18,2	19,6	21,0	22,4	23,8	25,2	26,6	28,0	29,3
	90/70/20°C [W]	240	301	361	421	481	541	601	661	721	781	841	903	963	1023	1083	1143	1203
	75/65/20°C [W]	192	241	289	337	385	433	481	529	577	625	673	722	770	818	866	914	962
	55/45/20°C [W]	103	129	155	180	206	232	257	283	309	334	360	386	412	438	463	489	515

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
560 mm	Water capacity [l]*	2,8	3,2	3,6	4,0	4,4	4,7	5,1	5,5	5,9	6,3	6,7	7,1	7,5	7,9	8,3	8,7	9,1
	Weight [kg]**	9,4	11,3	13,1	15,0	16,8	18,7	20,5	22,4	24,3	26,1	28,0	29,8	31,7	33,5	35,4	37,2	39,1
	90/70/20°C [W]	309	386	463	540	618	694	771	849	925	1003	1080	1158	1234	1311	1389	1465	1543
	75/65/20°C [W]	247	309	370	432	494	555	617	679	740	802	864	926	987	1049	1111	1172	1234
	55/45/20°C [W]	132	165	198	231	264	297	330	363	396	429	462	496	528	561	595	627	660

exponent n=1,22

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
700 mm	Water capacity [l]*	3,5	4,0	4,5	5,0	5,4	5,9	6,4	6,9	7,4	7,9	8,4	8,9	9,4	9,9	10,4	10,8	11,3
	Weight [kg]**	11,9	14,2	16,6	18,9	21,2	23,5	25,8	28,1	30,5	32,8	35,1	37,4	39,7	42,0	44,4	46,7	49,0
	90/70/20°C [W]	375	469	561	655	749	843	936	1030	1124	1218	1311	1405	1498	1591	1685	1779	1873
	75/65/20°C [W]	300	375	449	524	599	674	749	824	899	974	1049	1124	1198	1273	1348	1423	1498
	55/45/20°C [W]	161	201	240	280	321	361	401	441	481	521	561	601	641	681	721	761	802

* version 5bar, (10 bar radiator capacity = 5bar × 0,9)

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

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

F10L

exponent n=1,22

Height	Length [mm]	1600	1800
560 mm	Water capacity [l]*	7,5	8,3
	Weight [kg]**	31,7	35,4
	90/70/20°C [W]	1233	1388
	75/65/20°C [W]	987	1111
	55/45/20°C [W]	529	596

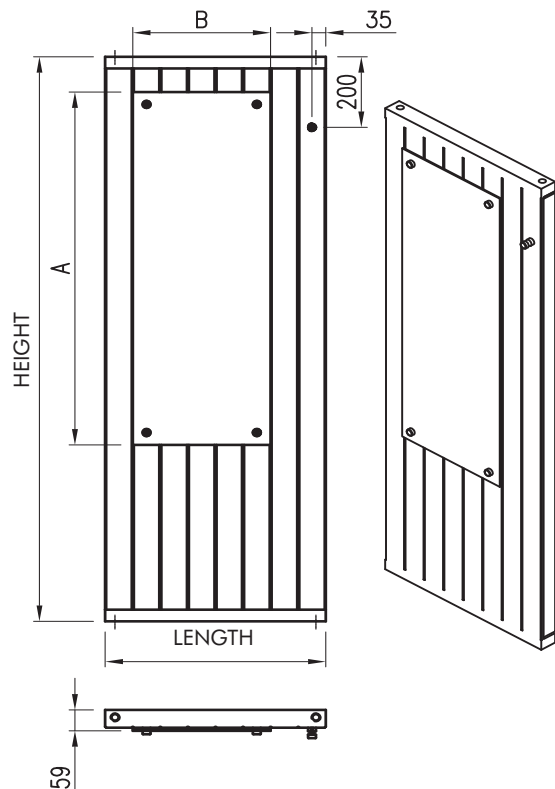
exponent n=1,22

Height	Length [mm]	1600	1800
700 mm	Water capacity [l]*	9,4	10,4
	Weight [kg]**	39,7	44,4
	90/70/20°C [W]	1496	1684
	75/65/20°C [W]	1198	1348
	55/45/20°C [W]	642	723

* 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



Dimensions of the unit		Dimensions of the mirror	
LENGTH	HEIGHT	A [mm]	B [mm]
1600	560	1000	350
1600	700	1000	490
1800	560	1500	350
1800	700	1500	490

EXACT

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 %



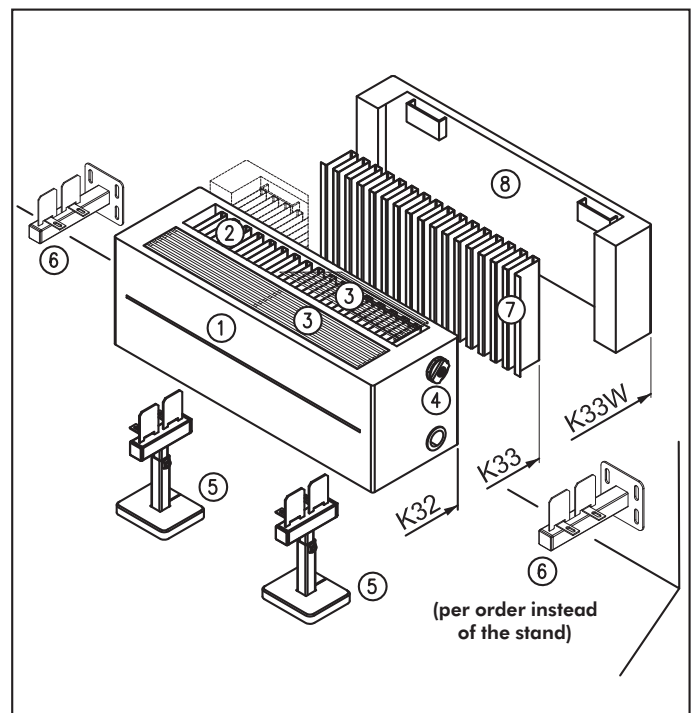
CONVECTOR TYPES AND DEPTHS

<p>K21 B=72 mm</p>	<p>K32 B=133 mm</p>	<p>K43 B=194 mm</p>	<p>K54 B=255 mm</p>	<p>Steel convector with lamellar radiating surfaces and inner interchange fins.</p> <p>Installation: interior by the wall by the window</p>
<p>K22 B=111 mm</p>	<p>K33 B=172 mm</p>	<p>K44 B=233 mm</p>	<p>K55 B=294 mm</p>	<p>Steel convector with lamellar radiating surfaces and inner and outer interchange fins.</p> <p>Installation: by the wall by the window</p>
<p>K22W B=133 mm</p>	<p>K33W B=194 mm</p>	<p>K44W B=255 mm</p>	<p>K55W B=316 mm</p>	<p>Steel convector with lamellar radiating surfaces and outer interchange fins and rear shield.</p> <p>Installation: by the windows (prevents radiation losses in window surface)</p>

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)

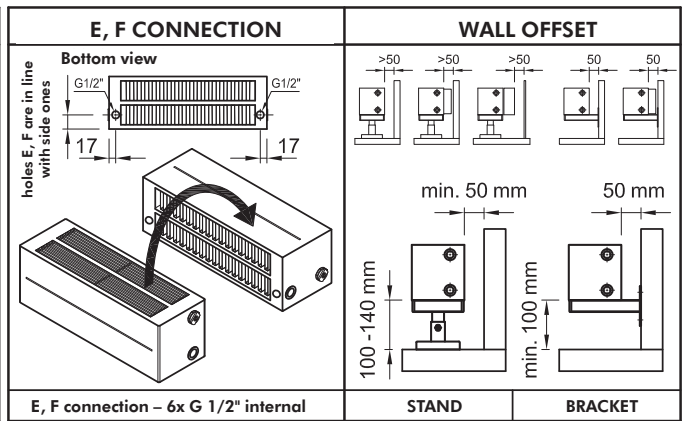
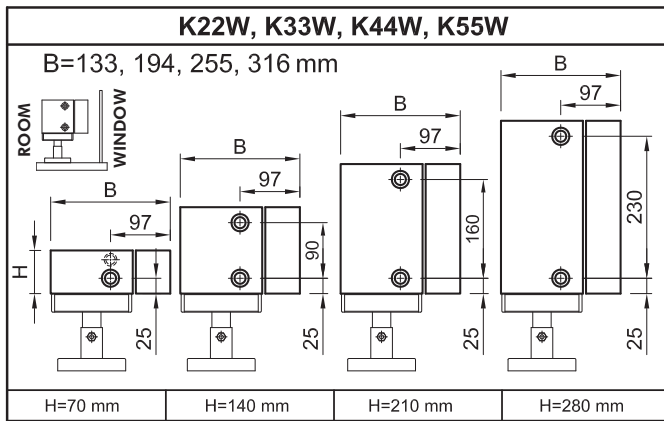
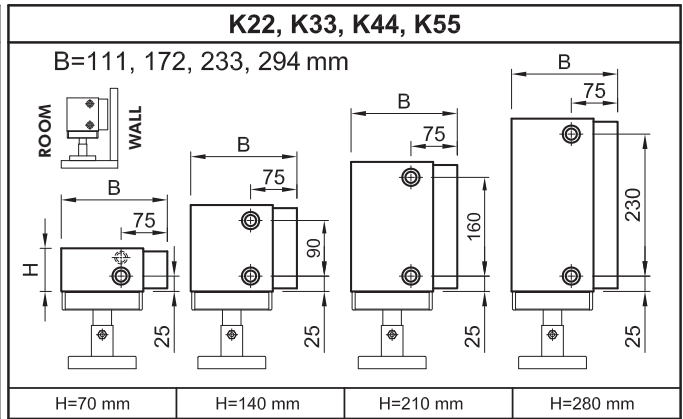
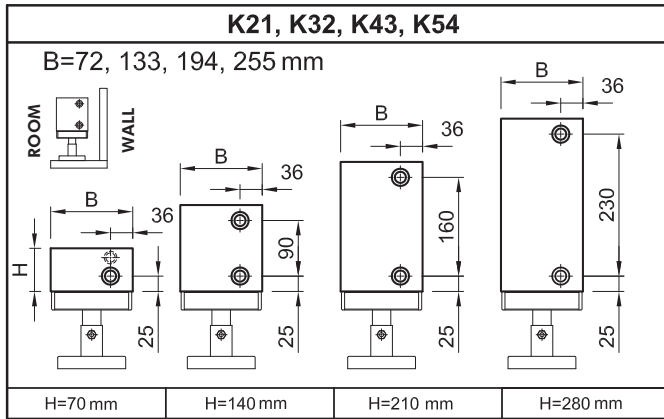
CONVECTOR BASIC EQUIPMENT



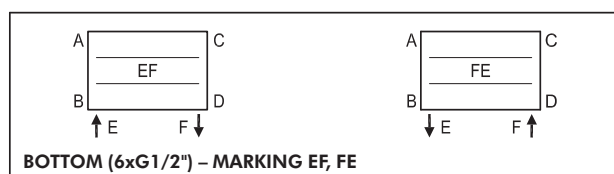
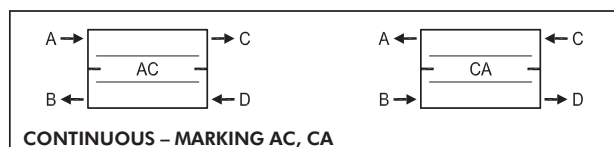
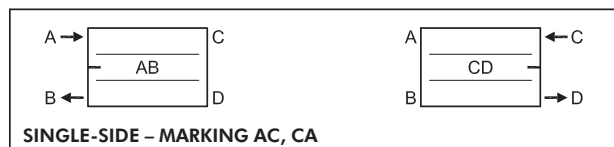
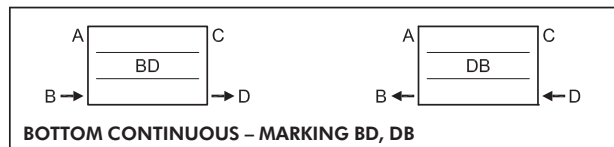
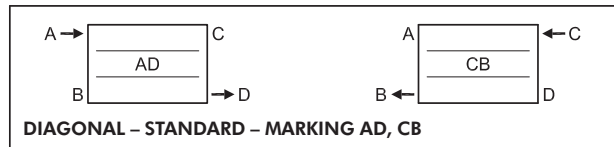
- Lamellar radiating surface
- Inner interchange fins
- Upper grill
- Air-relief valve
- Stand with plastic cover or wall-mounting bracket (per order instead of the stand)
- Outer interchange fins
- Rear shield

RADIANT CONVECTORS

CONVECTOR CONNECTION DIMENSIONS



CONNECTION OPTIONS



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

CODING

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
K	2	2	W	0	2	1	0	2	6	0	0	A	B	0	1	A
TYPE				HEIGHT				LENGTH				CONNECT.	COLOUR	ATYP.		

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 AD, CB, BD, DB, AB, CD, AC, CA, EF, FE
- 15, 16 according to colour chart
- 17 – standard connection
 A atypical design
 X design 1 MPa (10 bar)
 T design 1MPa (10 bar) + typical design

Note: list selected convector modifications behind the code (e.g. thread 3/4", wall brackets, without grill, ...)

ORDER EXAMPLE

- **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



RADIANT CONVECTORS WITH VALVE

Radiant convector with valve, bottom connection (50 mm) in right and left designs

EXACT

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

				<p>Steel convector with lamellar radiating surfaces and inner interchange fins.</p> <p>Installation: interior by the wall by the window</p>
K21	K32	K43	K54	
K22	K33	K44	K55	
				<p>Steel convector with lamellar radiating surfaces and inner and outer interchange fins and rear shield.</p> <p>Installation: by the window (prevents radiation losses in window surface)</p>
K22W	K33W	K44W	K55W	

* 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

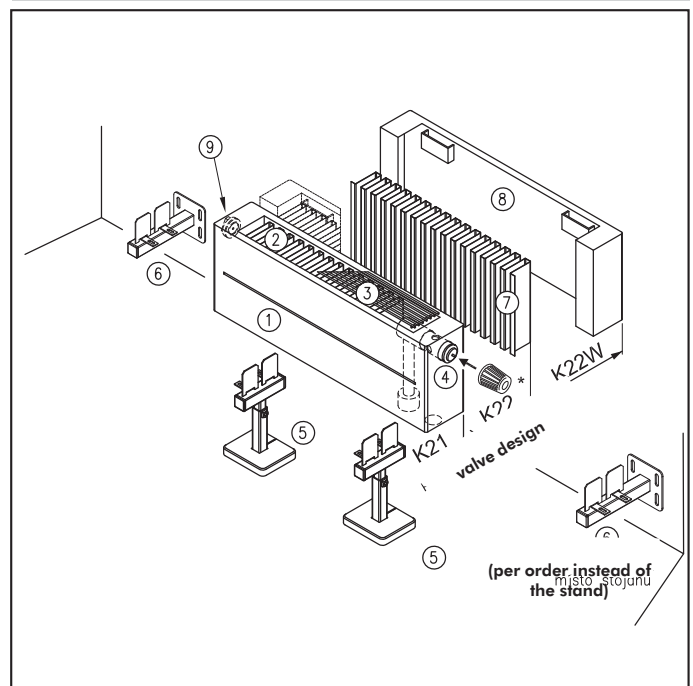
Heimeier

(Danfoss per order)

1. Lamellar radiating surface | 2. Inner interchange fins | 3. Upper grill | 4. Thermostatic valve | 5. Stand with plastic cover or | 6. Wall-mounting bracket (per order instead of the stand) | 7. Outer interchange fins | 8. Rear shield | 9. Air-relief valve

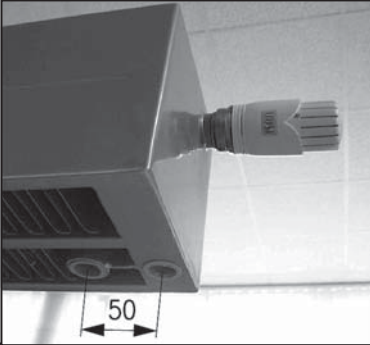
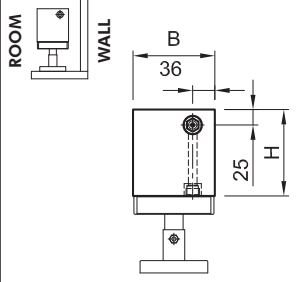
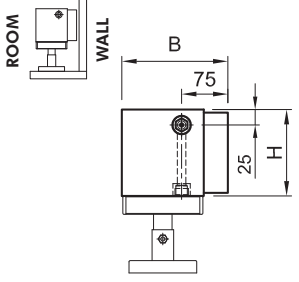
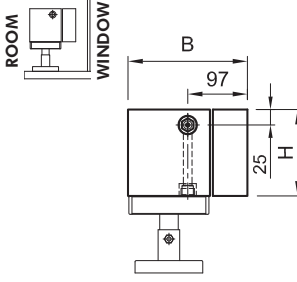
* Thermostatic head is not part of the convector

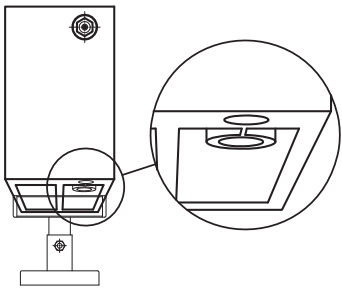
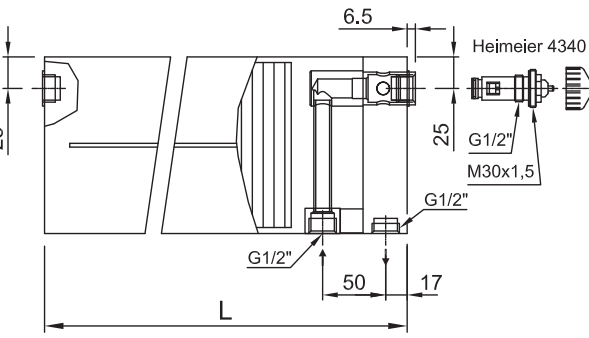
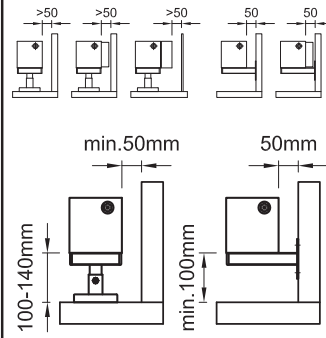
CONVECTOR BASIC EQUIPMENT (VR valve design)



RADIANT CONVECTORS WITH VALVE

CONVECTOR CONNECTION DIMENSIONS

K21, K32, K43, K54	K22, K33, K44, K55	K22W, K33W, K44W, K55W	CONNECTION SPACING
B=72, 133, 194, 255 mm	B=111, 172, 233, 294 mm	B=133, 194, 255, 316 mm	
			
H=70,140, 210, 280mm	H=70,140, 210, 280mm	H=70,140, 210, 280mm	2xG1/2" inner, span 50 mm

INNER DESIGN OF VALVE CONNECTION		WALL OFFSET	
			
perspective view	dimension chart with dimensions	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.



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

CODING

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
K	3	2	-	0	1	4	0	2	6	0	0	V	R	0	1	A
TYPE				HEIGHT				LENGTH				CONNECT.	COLOUR	ATYP.		

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

■ K33W01402500VL13T, 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

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, ...)



EXACT

RADIANT CONVECTORS WITH MIDDLE CONNECTION

Radiant convector with middle connection of heating fluid.

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

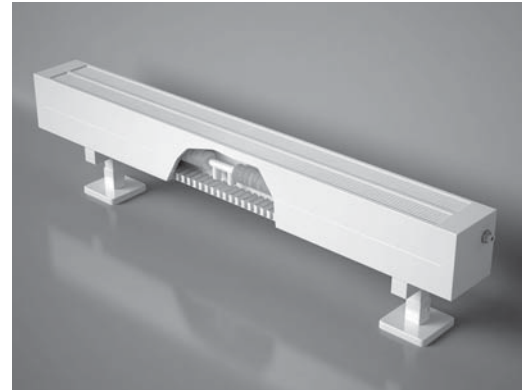
Connection: 2xG1/2" inner, span 50 mm

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%



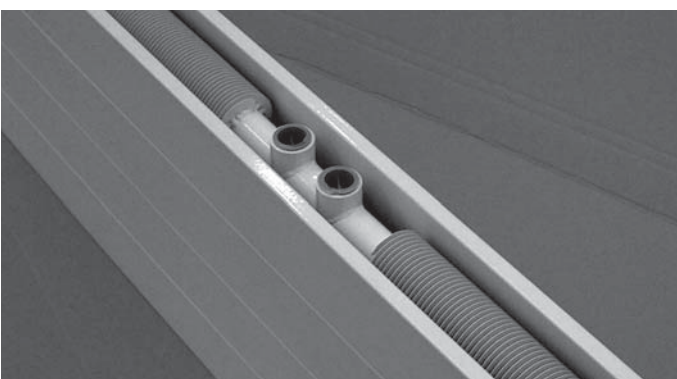
CONVECTOR TYPES AND DEPTHS

				Steel convector with lamellar radiating surfaces and inner interchange fins. Installation: interior by the wall by the window
K21	K32	K43	K54	
				Steel convector with lamellar radiating surfaces and inner and outer interchange fins Installation: by the wall by the window
K22	K33	K44	K55	
				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)
K22W	K33W	K44W	K55W	

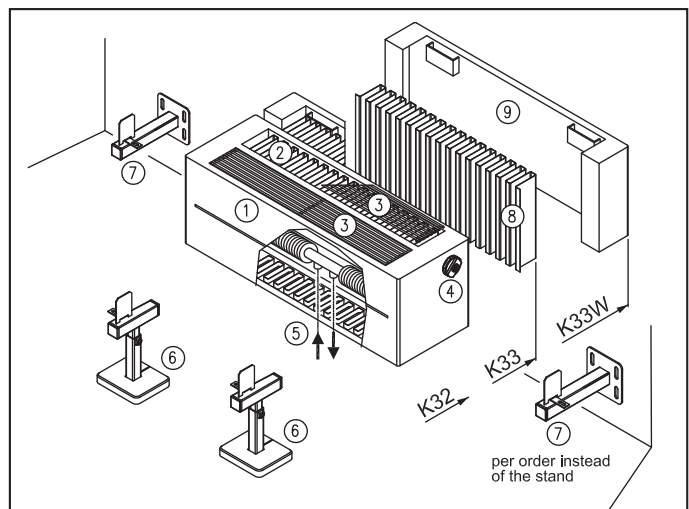
BASIC DESIGN (included in convector price)

- 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



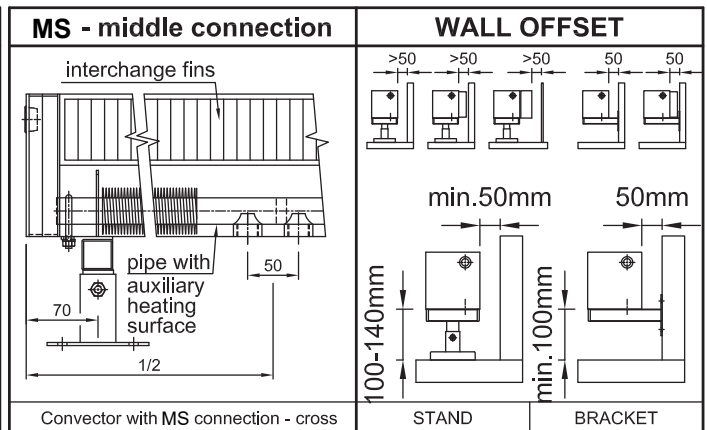
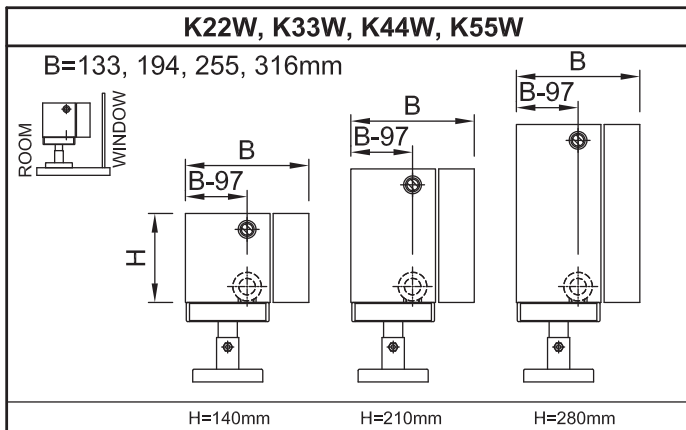
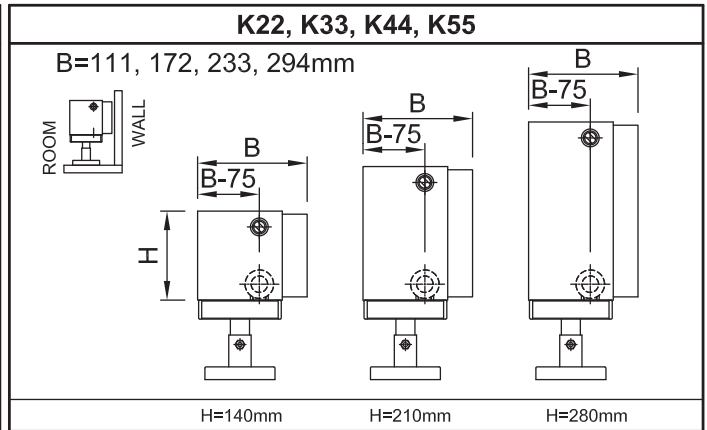
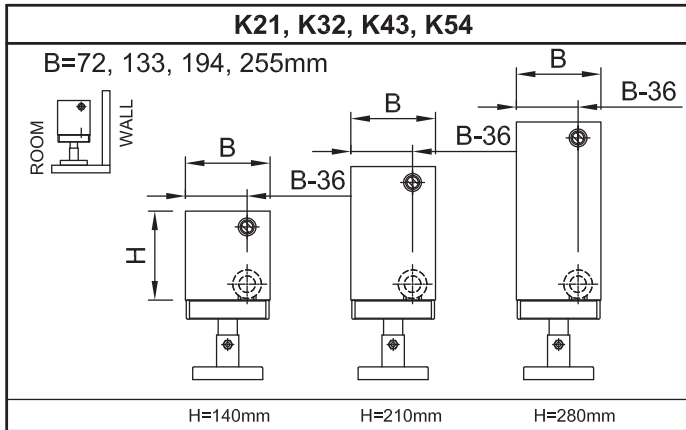
CONVECTOR BASIC EQUIPMENT



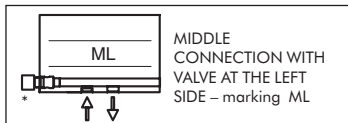
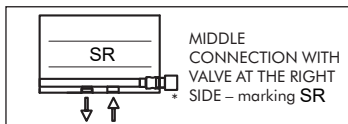
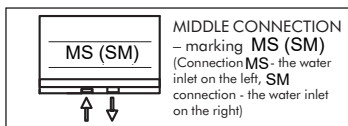
- Lamellar radiating surface
- Inner interchange fins
- Upper grill
- Air-relief valve
- Pipe with middle connection and auxiliary heating surface
- Stand with plastic cover or
- Wall-mounting bracket (per order instead of the stand)
- Outer interchange fins
- Rear shield

RADIANT CONVECTORS WITH MIDDLE CONNECTION

CONVECTOR CONNECTION DIMENSIONS

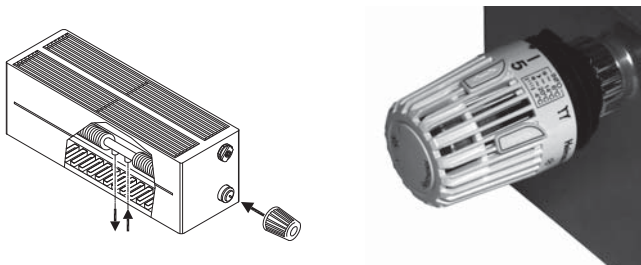


CONNECTION OPTION



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

- **K22-01401900MS 01** – steel convector with middle connection in design K22 with grill, height 140 mm, length 1900 mm, colour 01 – RAL 9016, stands with plastic cover
- **K22-01401900MS 15T, wall bracket** – steel convector with middle connection in design K22 with grill, height 140 mm, length 1900 mm, colour 15 – RAL 6034, max. overpressure 10 bar, wall brackets

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

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
K	2	2	-	0	2	1	0	2	6	0	0	M	S	0	1	A
TYPE		HEIGHT			LENGTH			CONNECT.	COLOUR		ATYP.					

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,...)



EXACT

HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

K21

exponent n=1,2943

Table for K21 radiator at 70 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,2965

Table for K21 radiator at 140 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,2986

Table for K21 radiator at 210 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,3008

Table for K21 radiator at 280 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

* version 6bar, (10 bar radiator capacity = 6bar x 0,9)

** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar x 1,2)

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

K22, K22W

exponent n=1,3049

Table for K22 radiator at 70 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,2990

Table for K22 radiator at 140 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,2932

Table for K22 radiator at 210 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

exponent n=1,2873

Table for K22 radiator at 280 mm height. Columns: Height, Length [mm], Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W]. Rows: 400-2600 mm lengths and 2800-6000 mm range.

* version 6bar, (10 bar radiator capacity = 6bar x 0,9)

** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar x 1,2)

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



EXACT

HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

K43

exponent n=1,2943

Table for K43 radiator with height 70 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,2965

Table for K43 radiator with height 140 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,2986

Table for K43 radiator with height 210 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,3008

Table for K43 radiator with height 280 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

* version 6bar, (10 bar radiator capacity = 6bar x 0,9)

** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar x 1,2)

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

K44, K44W

exponent n=1,3049

Table for K44 radiator with height 70 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,2990

Table for K44 radiator with height 140 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,2932

Table for K44 radiator with height 210 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

exponent n=1,2873

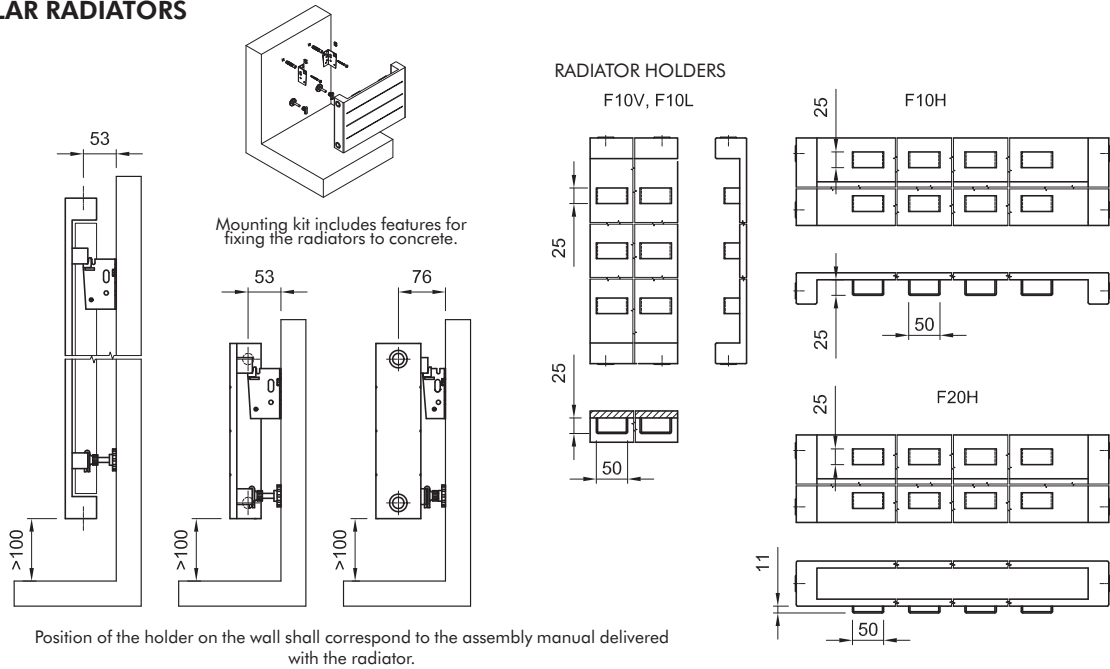
Table for K44 radiator with height 280 mm. Columns: Height, Length [mm] (400-2600), Water capacity [l]*, Weight [kg]**, Weight K22W [kg]**, 90/70/20°C [W], 75/65/20°C [W], 55/45/20°C [W].

* version 6bar, (10 bar radiator capacity = 6bar x 0,9)

** empty body weight without packaging; version 6bar (10bar radiator mass = 6bar x 1,2)

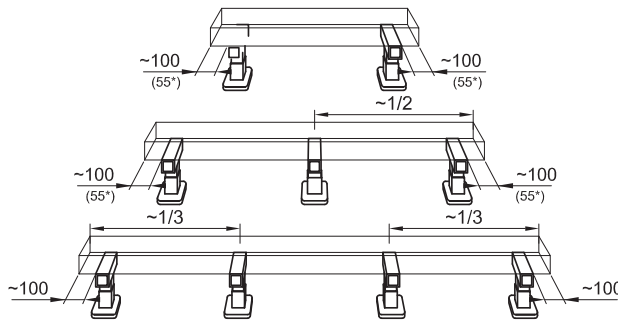
Thermal power measuring follows in accordance with EN 442-2.

LAMELLAR RADIATORS



CONVECTORS

Number of stands and overview of the distribution on the convector

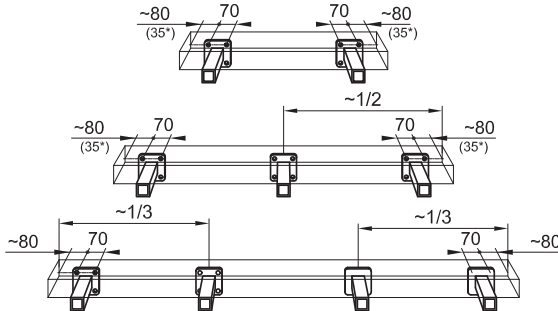


Length

400 - 2000 mm

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

Number of brackets and overview of the distribution on the convector

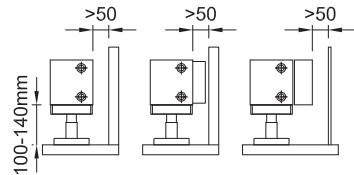


Length

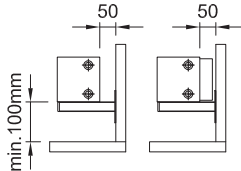
400 - 2000 mm

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



Fitting the convector

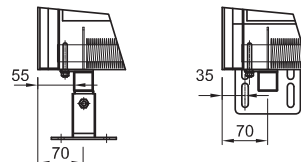


Number of stands / brackets K54, K55, K55W: 400-1000mm = 2 pcs., 1100-2000mm = 3 pcs., 2200-4000mm = 4 pcs., 4200-6000mm = 5 pcs.

RADIANT CONVECTORS WITH Middle CONNECTION

* RADIANT CONVECTORS WITH MIDDLE CONNECTION

- Distance from the convector edge is fixed
- Convectors are manufactured in lengths from 600-4 000 mm



ISAN REFERENCE COLOUR CHART

	colour series shade finish extra charge order code	RAL 9016 snow-white - - 01		colour series shade finish extra charge order code	S09 snow-white texture 30 % 68		colour series shade finish extra charge order code	RAL 9001 ivory - 30 % 04
	colour series shade finish extra charge order code	S31 champagne metallic 30 % 25		colour series shade finish extra charge order code	RAL 9018 papyrus - 30 % 14		colour series shade finish extra charge order code	S08 ivory texture 30 % 67
	colour series shade finish extra charge order code	S26 lime - 30 % 09		colour series shade finish extra charge order code	S27 khaki texture 30 % 21		colour series shade finish extra charge order code	S36 antique gold metallic 30 % 48
	colour series shade finish extra charge order code	S32 pink coral texture 30 % 26		colour series shade finish extra charge order code	RAL 3002 fiery red - 30 % 08		colour series shade finish extra charge order code	S34 ruby red - 30 % 28
	colour series shade finish extra charge order code	S13 sandstone texture 30 % 72		colour series shade finish extra charge order code	S28 gold olive texture 30 % 22		colour series shade finish extra charge order code	RAL 6021 linden green - 30 % 06
	colour series shade finish extra charge order code	S29 aquamarine metallic 30 % 23		colour series shade finish extra charge order code	RAL 5014 pigeon blue - 30 % 07		colour series shade finish extra charge order code	S30 sapphire blue texture 30 % 24
	colour series shade finish extra charge order code	S33 lava ash texture 30 % 27		colour series shade finish extra charge order code	S03 copper metallic 30 % 62		colour series shade finish extra charge order code	S19 brass metallic 30 % 83
	colour series shade finish extra charge order code	S38 dark grey texture 30 % 50		colour series shade finish extra charge order code	S05 silver metallic 30 % 64		colour series shade finish extra charge order code	S37 light grey texture 30 % 49
	colour series shade finish extra charge order code	S02 anthracite metallic 30 % 61		colour series shade finish extra charge order code	S35 cinnamon texture 30 % 29		colour series shade finish extra charge order code	S10 slate texture 30 % 69

Special treatment

	colour series shade finish extra charge order code	S41 RAL 9016 antibacterial* 30 % 88		colour series shade finish extra charge order code	S20 transparent paint transparent paint 30 % 84
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* 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.

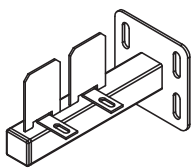
RAL surcharge

Other RAL colours (1-10 pc) - 40 % surcharge

Other RAL colours (over 10 pc) - individual calculation

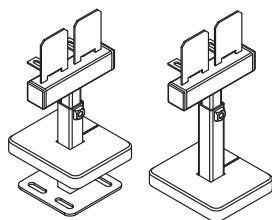
ACCESSORIES

CONVECTOR BRACKET



Specify convector type while ordering bracket separately.

CONVECTOR STAND



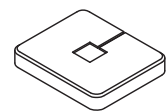
Specify convector type while ordering bracket stands separately.

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.



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