



iSan

EXACT

**Convector
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.

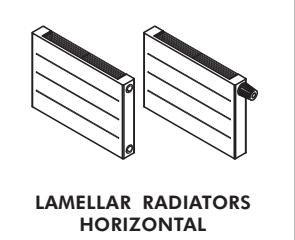




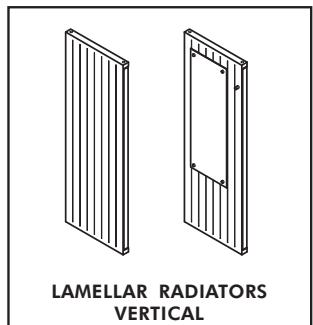
EXACT

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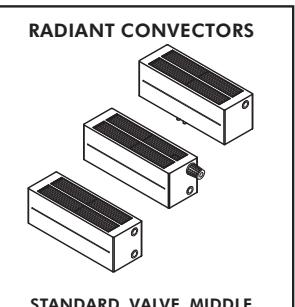
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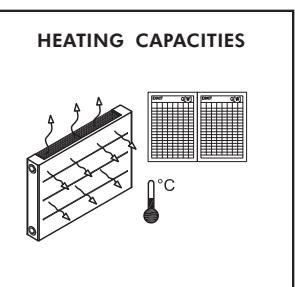
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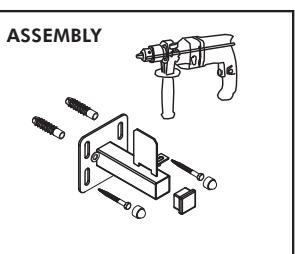
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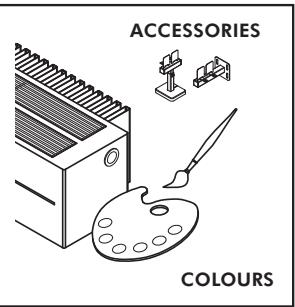
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BASIC INFORMATION

Lamellar radiators and convectors are heating units manufactured from steel hollow sections with rectangular cross-section 70 x 11 mm 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.



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 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

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

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

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	t o		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
t o	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)
ML, SR – middle connection (**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										
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
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



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 VALVE 4xG1/2" inner (6xG1/2" connection E, F)
 2xG1/2" inner, span 50mm

Max. operating overpressure: 0,5 MPa (standard) or 1,0 MPa (per order)

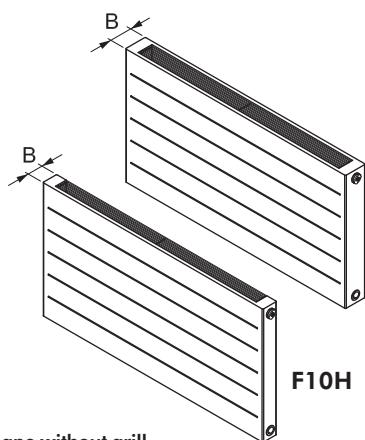
Max. operating temperature: 110 °C

Heating system: double pipe with induced circulation

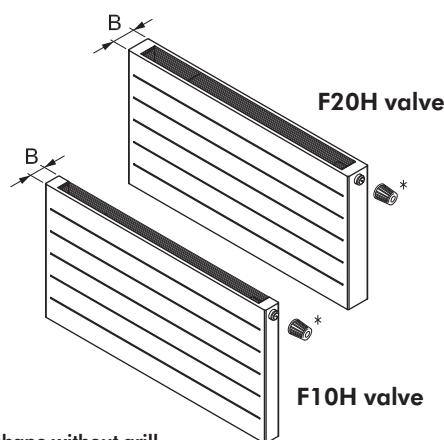
Ambient conditions: +2 to 45 °C, at relative humidity 20–70 %



RADIATOR TYPES



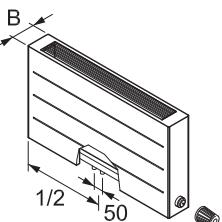
Upper shape without grill
F10H
F20H



Upper shape without grill
F10H
F20H

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



* 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

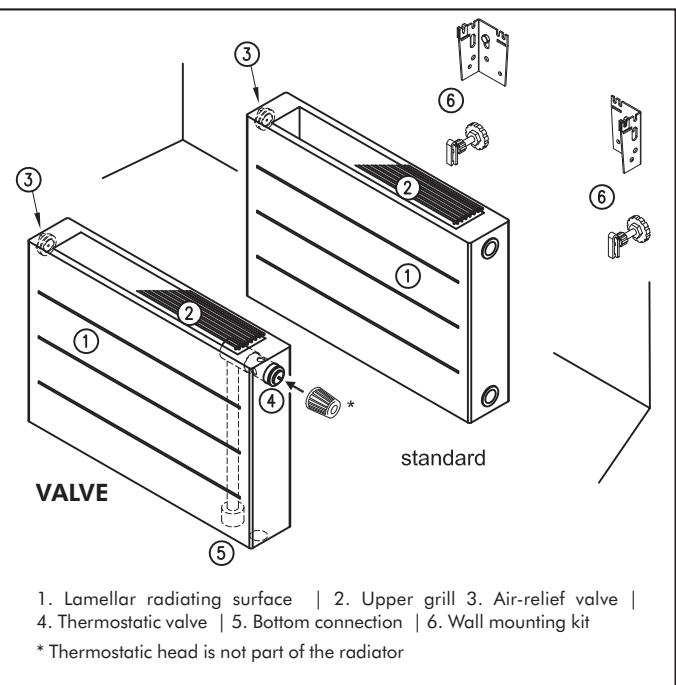
Thread connection span 50 mm

(See detail on the following page)

Installed thermostatic valve Heimeier

(Danfoss per order)

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

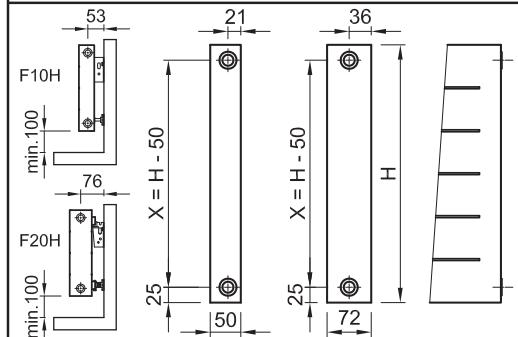
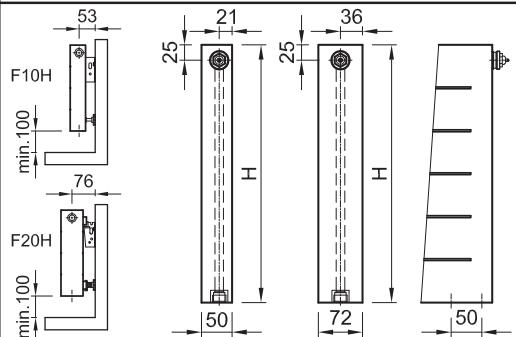


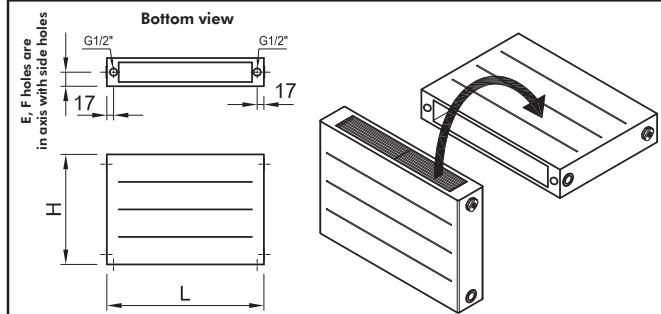
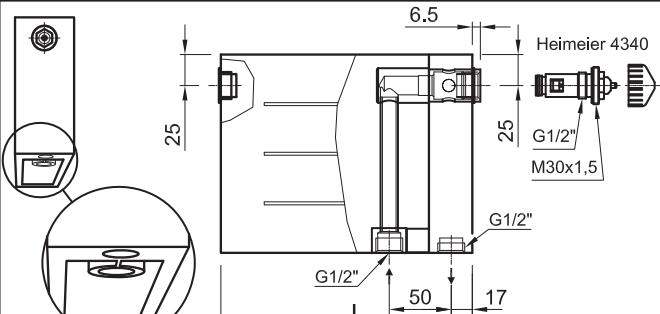
1. Lamellar radiating surface | 2. Upper grill 3. Air-relief valve |
4. Thermostatic valve | 5. Bottom connection | 6. Wall mounting kit

* Thermostatic head is not part of the radiator

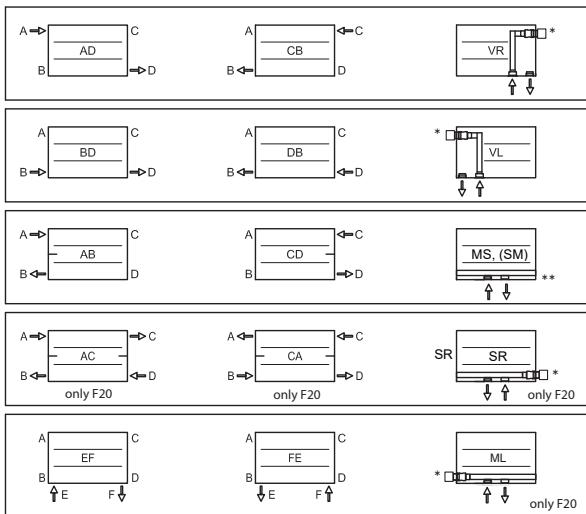
LAMELLAR RADIATORS – HORIZONTAL

RADIATOR CONNECTION DIMENSIONS

F10, F20H		F10, F20H VALVE	
			
Radiator dimension chart and offset of the connection to wall		Radiator sketch in design VALVE	

E, F CONNECTION	INNER DESIGN OF VALVE CONNECTION
	

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 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

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 2200 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)

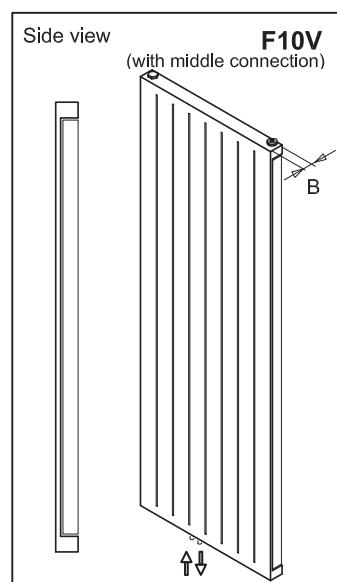
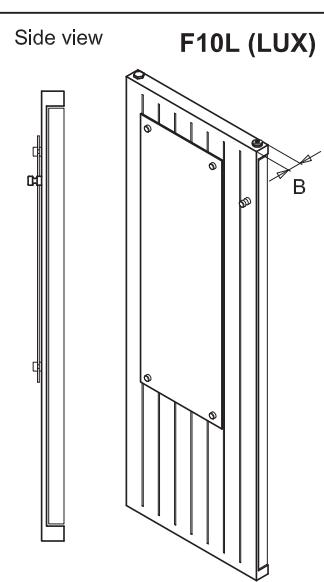
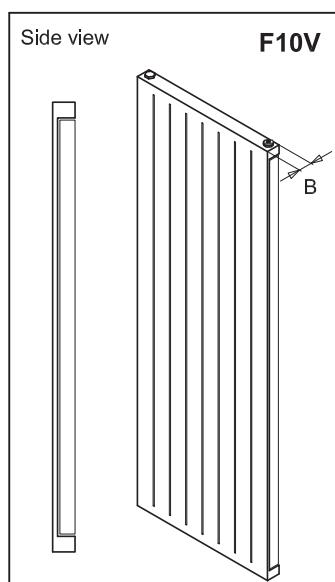
Max. operating temperature: 110 °C

Heating system: double pipe with induced circulation

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



RADIATOR TYPES



Lamellar vertical steel radiator with one radiating surface (supply with middle connection).

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 aesthetic feature in the living rooms or in bathrooms.

Coat or towel hanger is part of the delivery.

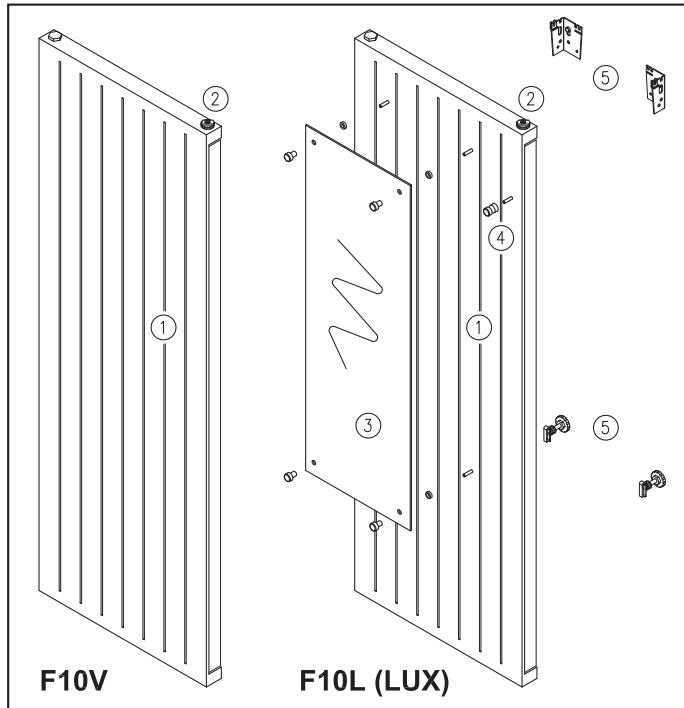
BASIC DESIGN

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)

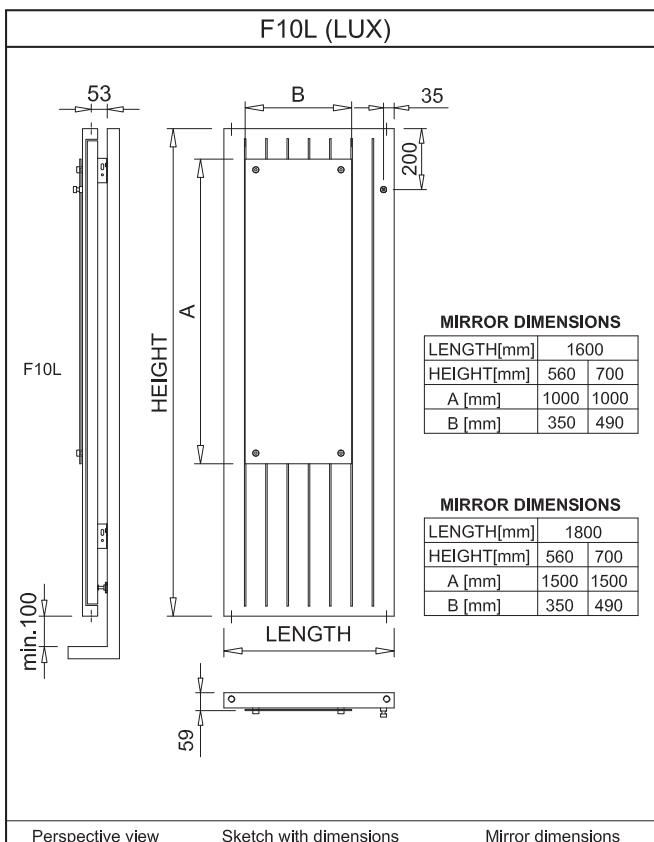
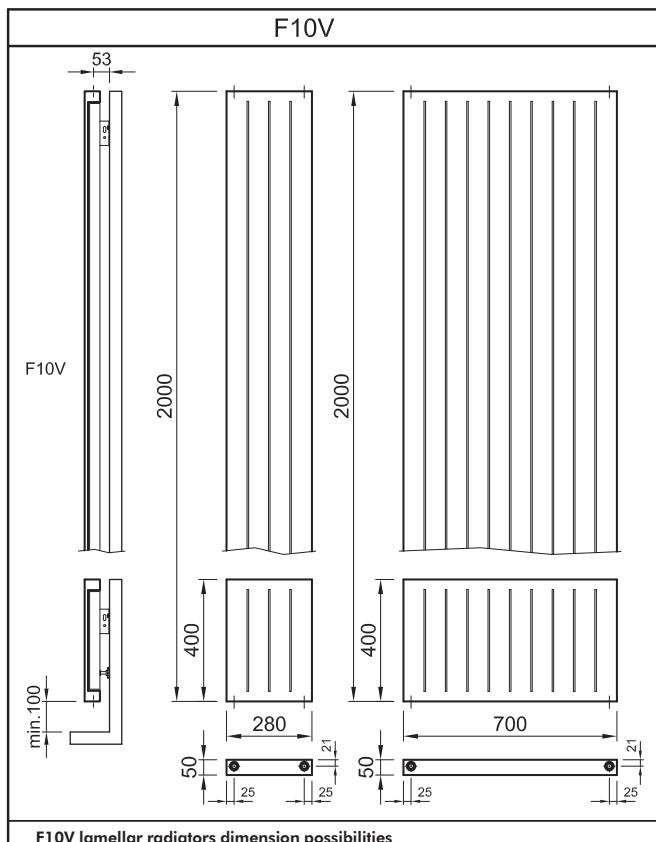
RADIATOR BASIC EQUIPMENT



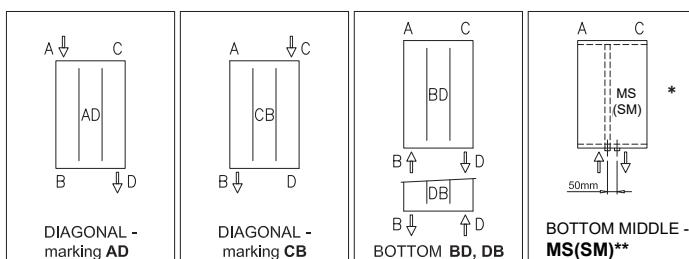
1. Lamellar radiating surface
2. Air-relief valve
3. Mirror
4. Hanger chrome
5. Wall-mounting kit

LAMELLAR RADIATORS – VERTICAL

RADIATOR CONNECTION DIMENSIONS



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)

(only F10V)

Intermediate length: e.g. 1 850 mm
(price as for 1 900 mm length)

Colour: according to colour chart

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

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

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 x 0,9)

** empty body weight without packaging; version 5bar (10bar radiator mass = 5bar x 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														

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

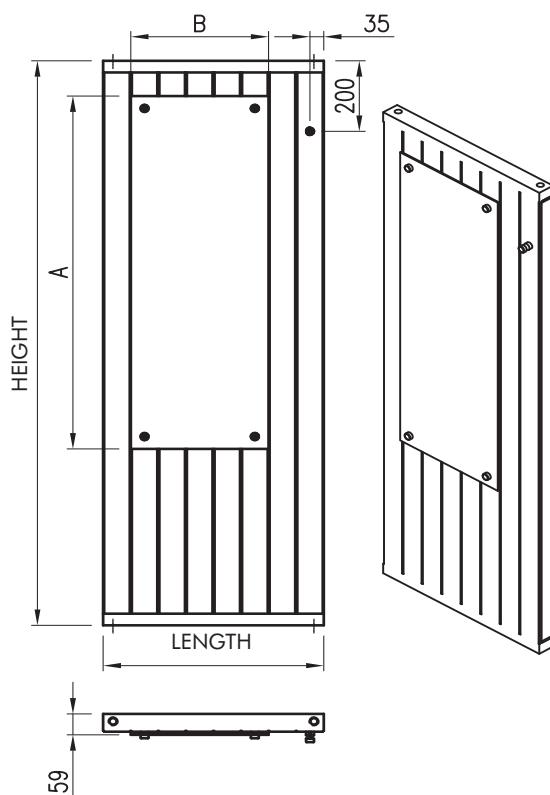
exponent n=1,22

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 x 0,9)

** empty body weight without packaging; version 5bar (10bar radiator mass = 5bar x 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

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)

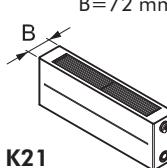
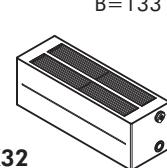
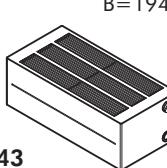
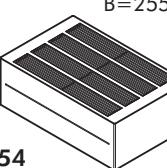
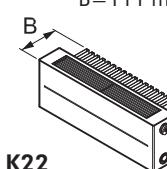
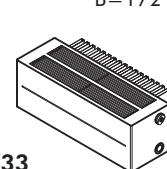
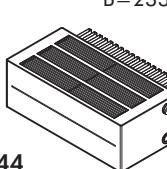
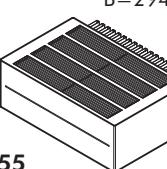
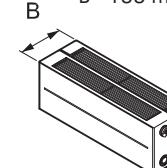
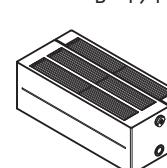
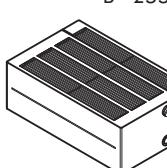
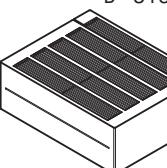
Max. operating temperature: 110 °C

Heating system: double pipe with induced circulation

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



CONVECTOR TYPES AND DEPTHS

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

BASIC DESIGN

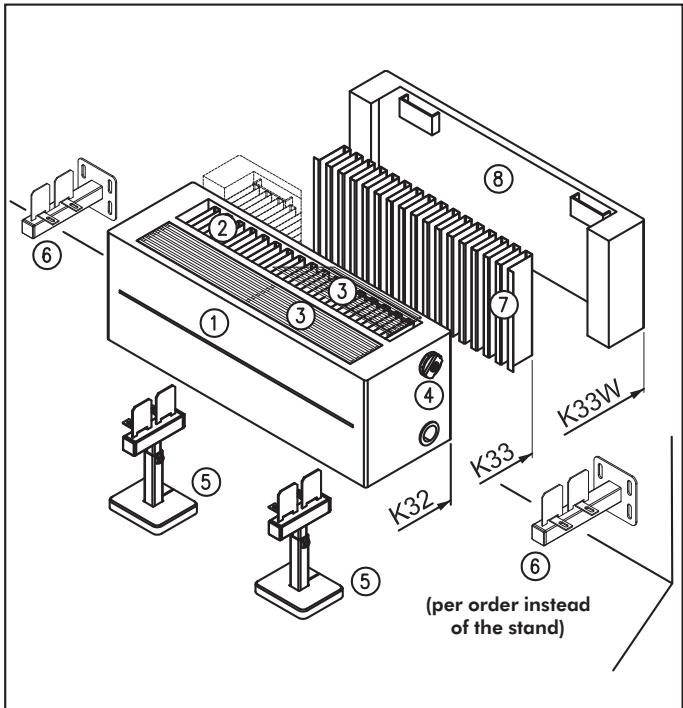
Colour: white RAL 9016,
other colours according to colour chart

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)

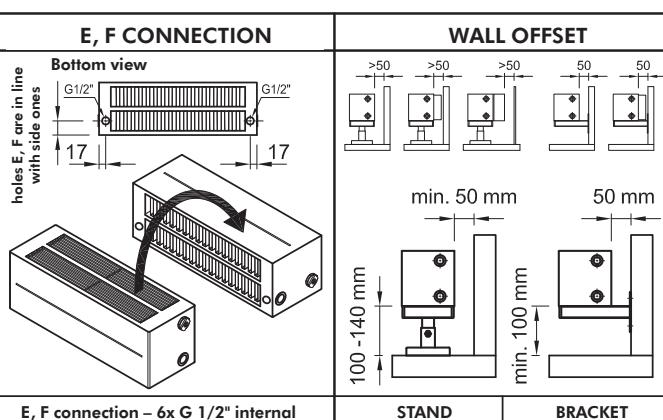
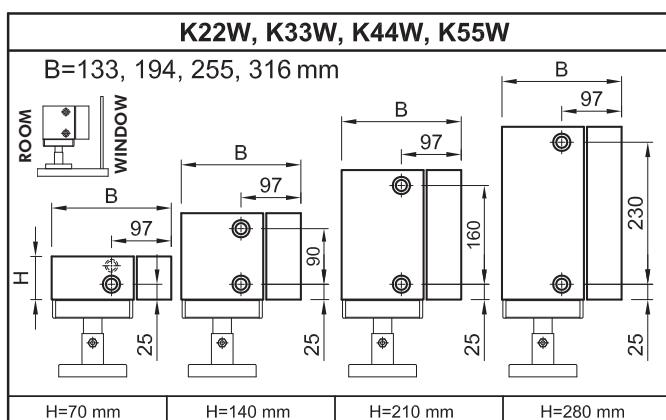
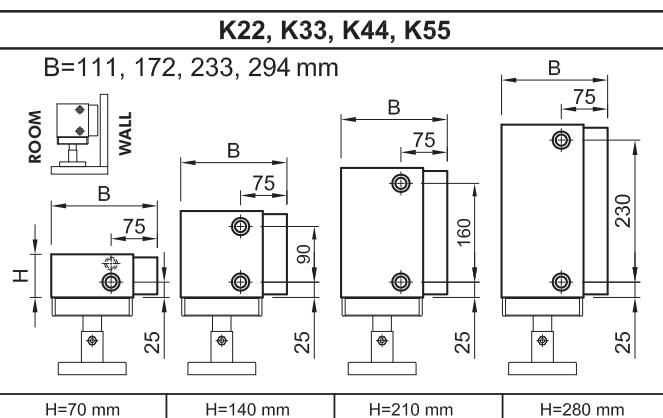
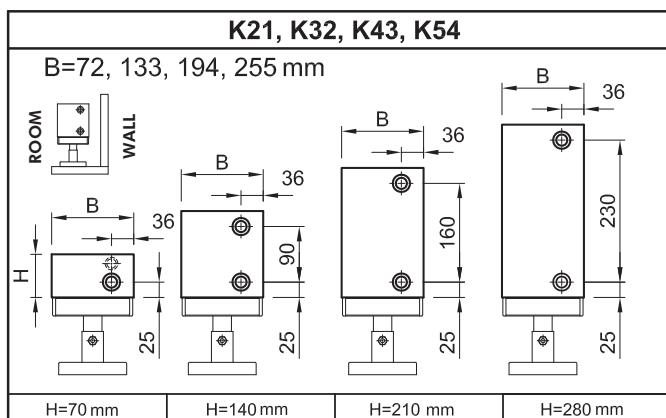
CONVECTOR BASIC EQUIPMENT



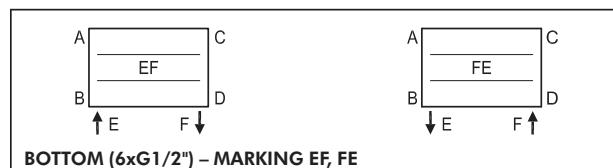
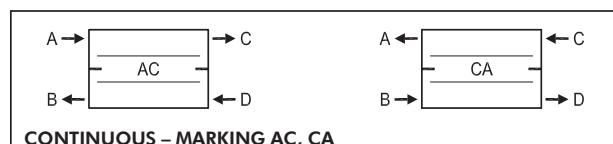
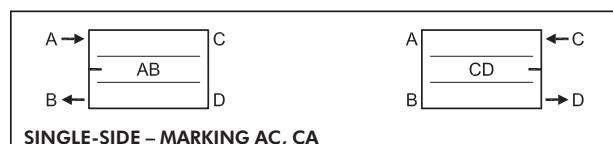
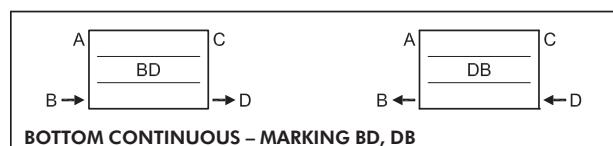
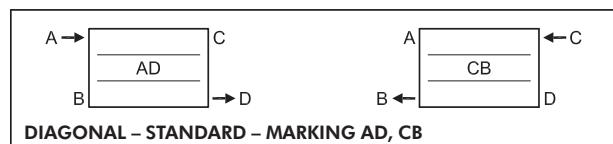
1. Lamellar radiating surface | 2. Inner interchange fins
3. Upper grill | 4. Air-relief valve | 5. Stand with plastic cover or
6. Wall-mounting bracket (per order instead of the stand)
7. Outer interchange fins | 8. Rear shield

RADIANT CONVECTORS

CONVECTOR CONNECTION DIMENSIONS



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

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 1 MPa (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

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

				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 loses in window surface)

* Thermostatic head is not part of the convector

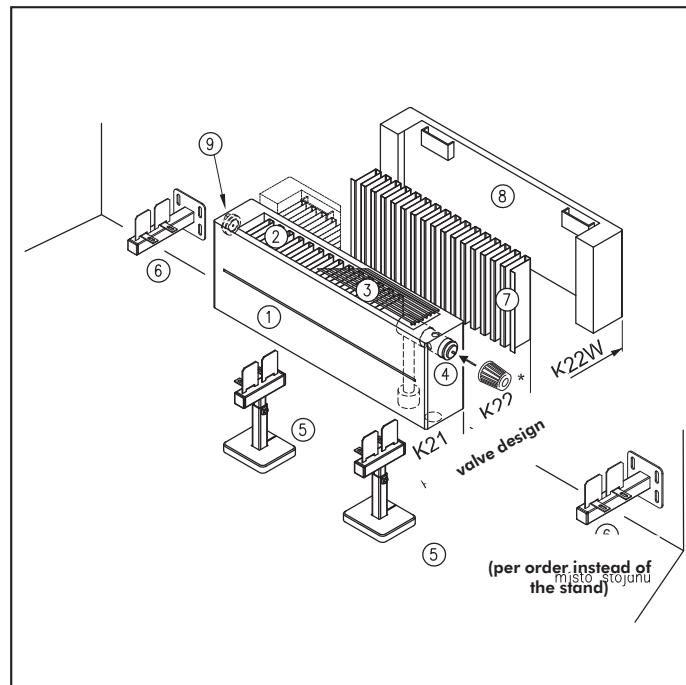
BASIC DESIGN

- 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)

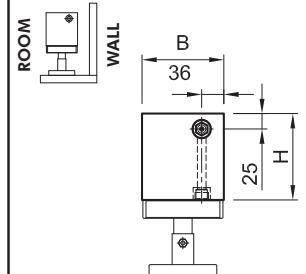
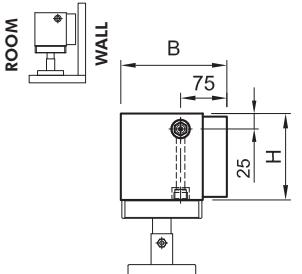
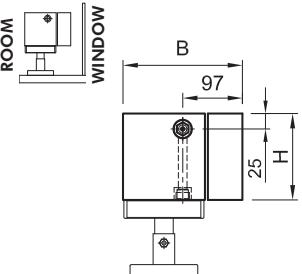
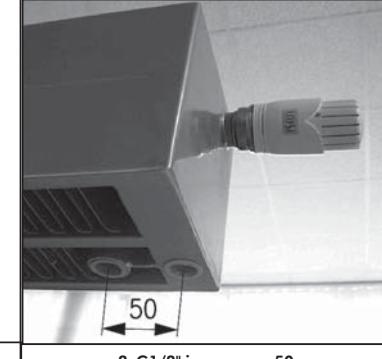


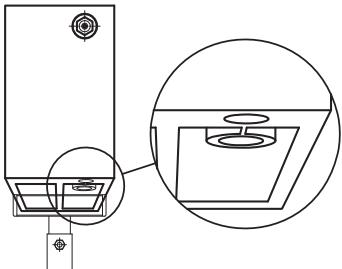
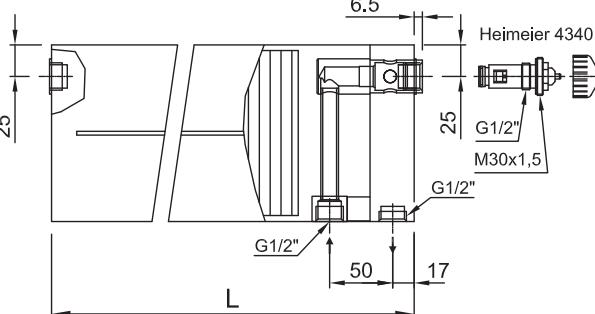
1. Lamellar radiating surface | 2. Inner interchange fins | 3. Upper grill | 4. Thermostatic valve | 5. Stand with plastic cover | 6. Wall-mounting bracket (per order instead of the stand) | 7. Outer interchange fins | 8. Rear shield | 9. Air-relief valve

* Thermostatic head is not part of the convector

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  H=70,140, 210, 280mm	B=111, 172, 233, 294 mm  H=70,140, 210, 280mm	B=133, 194, 255, 316 mm  H=70,140, 210, 280mm	 2xG1/2" inner, span 50 mm

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

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 lenght 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, ...)

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

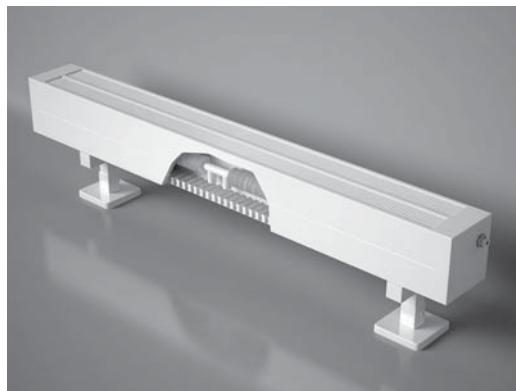
Connection: 2xG1/2" inner, span 50 mm

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 %



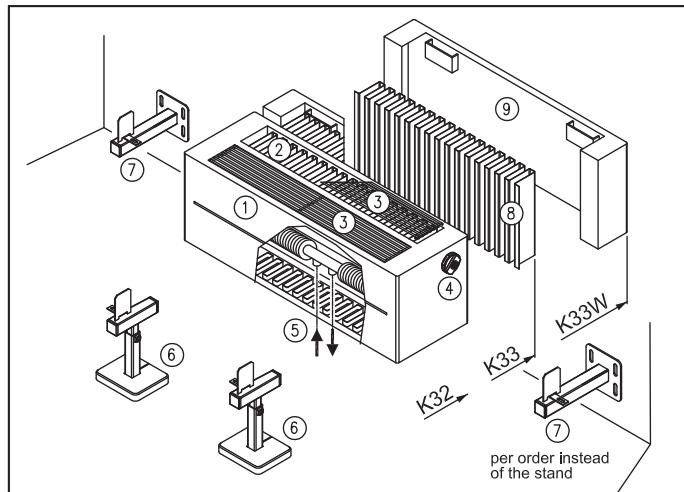
CONVECTOR TYPES AND DEPTHS

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

BASIC DESIGN (included in convector price)

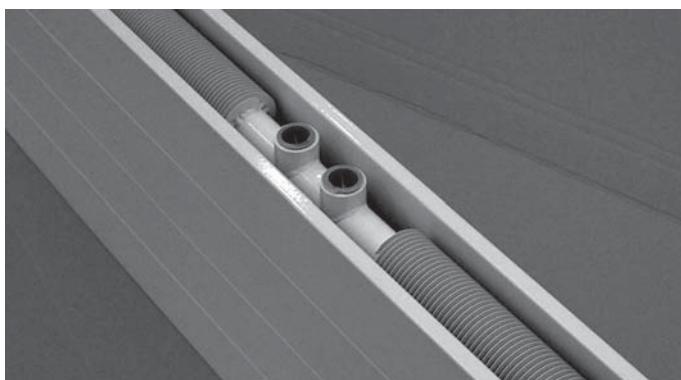
- Colour:** white RAL 9016
other colours according to colour chart
- Grill:** upper wire grill
- Mounting:** stands with plastic covers or wall mounting brackets per order (interchange for stands)
- Connection:** 2xG1/2", spacing 50 mm
(2 pcs. – cap, air-relief valve)

CONVECTOR BASIC EQUIPMENT



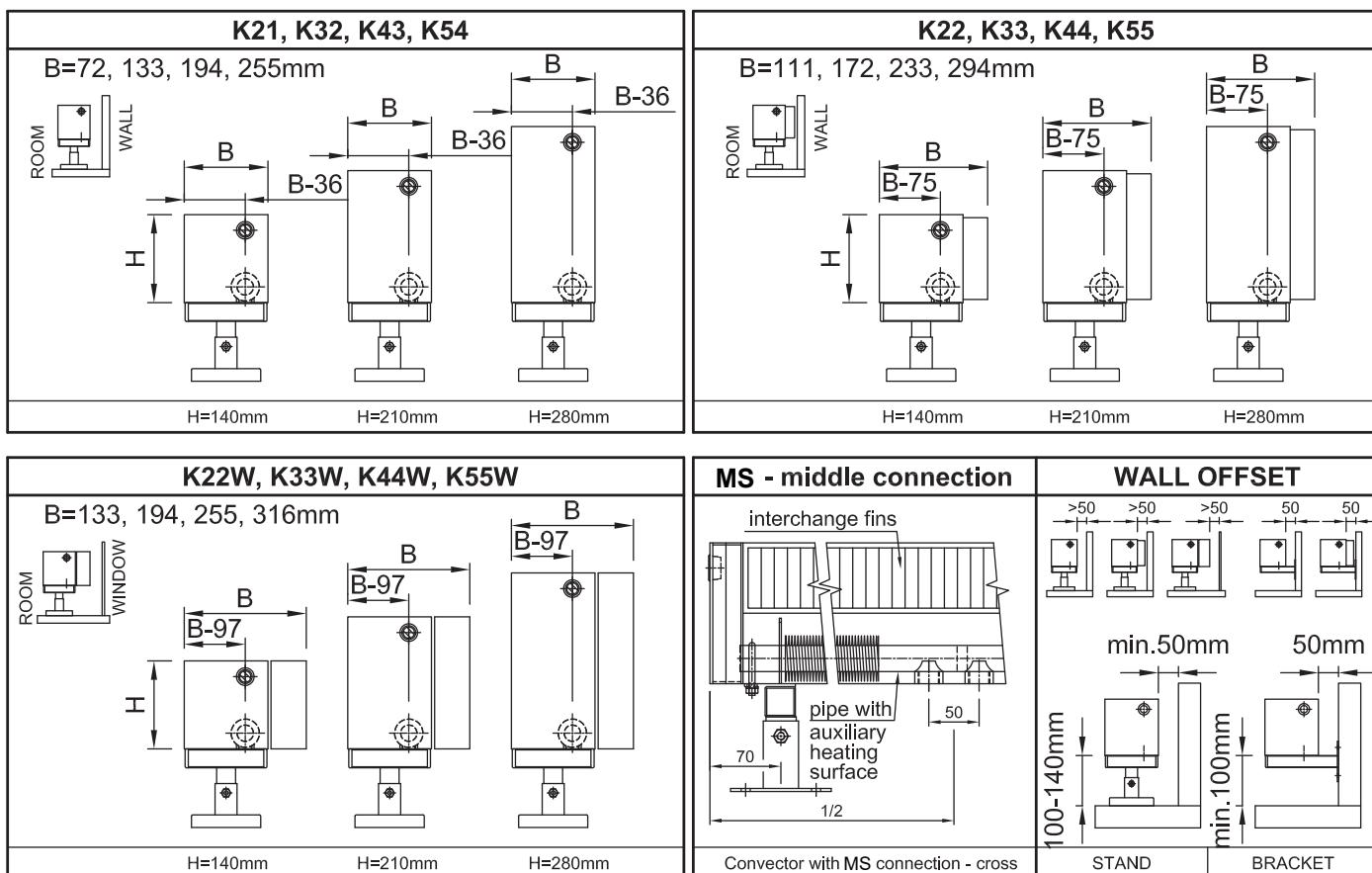
1. Lamellar radiating surface
2. Inner interchange fins
3. Upper grill
4. Air-relief valve
5. Pipe with middle connection and auxiliary heating surface
6. Stand with plastic cover
7. Wall-mounting bracket (per order instead of the stand)
8. Outer interchange fins
9. Rear shield

PHOTO OF MIDDLE CONNECTION

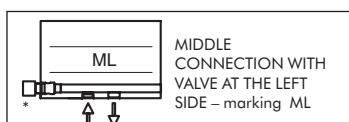
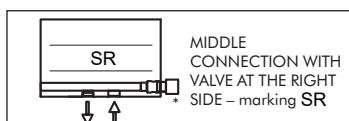
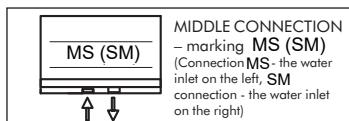


RADIANT CONVECTORS WITH MIDDLE CONNECTION

CONVECTOR CONNECTION DIMENSIONS

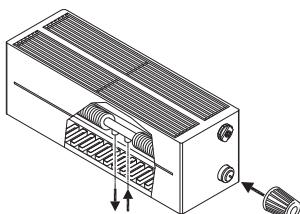


CONNECTION OPTION



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 lenght 0600, 0700, ..., 2000 mm by 100 mm
2200, 2400, ..., 4000 mm by 200 mm
- 13, 14 MS – middle connection (MS, SM)
- 15, 16 ML,SR – middle connection with valve left / right 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

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,4	1,5	1,6	1,7	1,8	1,9	2,0	2,1	2,3	2,5	2,6	~1,2 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	~6,0kg/m
	90/70/20°C [W]	170	213	255	298	340	383	425	468	511	553	596	638	681	723	766	808	851	936	1021	1106	425 W/m
	75/65/20°C [W]	134	168	202	235	269	302	336	370	403	437	470	504	538	571	605	638	672	739	806	874	336 W/m
	55/45/20°C [W]	69	87	104	121	139	156	173	191	208	225	243	260	278	295	312	330	347	382	416	451	173 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	1,1	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,7	5,1	5,5	~2,3 l/m
	Weight [kg]**	5,1	6,3	7,5	8,7	9,9	11,1	12,3	13,5	14,7	15,9	17,0	18,3	19,5	20,6	21,8	23,1	24,2	26,6	29,0	31,4	~12,3kg/m
	90/70/20°C [W]	265	332	398	465	531	597	664	730	796	863	929	996	1062	1128	1195	1261	1327	1460	1593	1726	664 W/m
	75/65/20°C [W]	210	262	314	367	419	472	524	576	629	681	734	786	838	891	943	996	1048	1153	1258	1362	524 W/m
	55/45/20°C [W]	108	135	162	189	216	243	270	297	324	351	378	405	432	459	486	513	540	594	649	703	270 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
210 mm	Water capacity [l]*	1,7	2,0	2,3	2,6	2,9	3,2	3,5	3,8	4,1	4,4	4,7	5,0	5,3	5,5	5,8	6,1	6,4	7,0	7,6	8,2	~3,5 l/m
	Weight [kg]**	7,7	9,5	11,3	13,1	14,9	16,7	18,5	20,3	22,1	23,9	25,7	27,6	29,3	31,1	32,9	34,8	36,6	40,1	43,8	47,4	~185kg/m
	90/70/20°C [W]	346	433	519	606	692	779	865	952	1039	1125	1212	1298	1385	1471	1558	1644	1731	1904	2077	2250	865 W/m
	75/65/20°C [W]	273	342	410	478	546	615	683	751	820	888	956	1025	1093	1161	1229	1298	1366	1503	1639	1776	683 W/m
	55/45/20°C [W]	141	176	211	246	281	317	352	387	422	457	493	528	563	598	633	668	704	774	844	915	352 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
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]**	10,3	12,7	15,0	17,5	19,9	22,3	24,7	27,2	29,6	32,0	34,3	36,8	39,2	41,6	44,0	46,5	48,9	53,6	58,5	63,4	~24,7kg/m
	90/70/20°C [W]	419	524	628	733	838	942	1047	1152	1256	1361	1466	1571	1675	1780	1885	1989	2094	2304	2513	2722	1047 W/m
	75/65/20°C [W]	330	413	496	578	661	743	826	909	991	1074	1156	1239	1322	1404	1487	1569	1652	1817	1982	2148	826 W/m
	55/45/20°C [W]	170	213	255	298	340	383	425	468	510	553	595	638	680	723	765	808	850	935	1020	1105	425 W/m

* 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)

K22, K22W

exponent n=1,3049

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,4	1,5	1,6	1,7	1,8	1,9	2,0	2,1	2,3	2,5	2,6	~1,2 l/m
	Weight [kg]**	2,9	3,5	4,2	4,9	5,6	6,3	7,0	7,7	8,4	9,1	9,7	10,5	11,1	11,8	12,5	13,2	13,9	15,2	16,6	18,0	~7,0kg/m
	Weight K22W [kg] **	4,1	5,0	5,9	6,9	7,9	8,8	9,7	10,6	11,5	12,5	13,4	14,4	15,3	16,2	17,1	18,1	19,0	20,8	22,7	24,6	~9,7 kg/m
	90/70/20°C [W]	221	276	331	386	441	497	552	607	662	717	773	828	883	938	993	1049	1104	1214	1324	1435	552 W/m
	75/65/20°C [W]	174	218	261	305	348	392	435	479	522	566	609	653	696	740	783	827	870	957	1044	1131	435 W/m
	55/45/20°C [W]	89	112	134	156	179	201	223	246	268	290	313	335	357	380	402	424	447	491	536	581	223 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	1,1	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,7	5,1	5,5	~2,3 l/m
	Weight [kg]**	5,8	7,2	8,6	10,1	11,5	12,9	14,3	15,8	17,2	18,6	19,9	21,4	22,8	24,2	25,6	27,1	28,5	31,3	34,2	37,0	~14,3kg/m
	Weight K22W [kg] **	8,1	10,0	11,9	13,8	15,7	17,6	19,4	21,4	23,2	25,1	27,0	28,9	30,8	32,7	34,5	36,5	38,4	42,1	45,9	49,7	~19,4 kg/m
	90/70/20°C [W]	351	439	527	615	703	790	878	966	1054	1142	1229	1317	1405	1493	1581	1669	1756	1932	2108	2283	878 W/m
	75/65/20°C [W]	277	347	416	485	554	624	693	762	832	901	970	1040	1109	1178	1247	1317	1386	1525	1663	1802	693 W/m
	55/45/20°C [W]	143	178	214	250	286	321	357	393	428	464	500	535	571	607	642	678	714	785	857	928	357 W/m

Height	Length [mm]	400	500	600	700	800	900
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HEATING OUTPUTS, WEIGHTS & WATER CAPACITY



K32

exponent n=1,2943

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	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	~1,8 l/m
	Weight [kg]**	4,0	4,9	5,9	6,8	7,8	8,7	9,6	10,6	11,5	12,5	13,4	14,4	15,3	16,3	17,2	18,2	19,1	21,0	22,9	24,8	~9,6 kg/m
	90/70/20°C [W]	293	366	439	512	585	659	732	805	878	951	1025	1098	1171	1244	1317	1390	1464	1610	1756	1903	732 W/m
	75/65/20°C [W]	231	289	347	405	462	520	578	636	694	751	809	867	925	983	1040	1098	1156	1272	1387	1503	578 W/m
	55/45/20°C [W]	119	149	179	209	239	269	298	328	358	388	418	448	477	507	537	567	597	656	716	776	298 W/m
140 mm		exponent n=1,2965																				
	Water capacity [l]*	1,9	2,2	2,5	2,8	3,1	3,4	3,7	4,0	4,3	4,6	4,9	5,1	5,4	5,7	6,0	6,3	6,6	7,2	7,8	8,4	~3,7 l/m
	Weight [kg]**	8,1	10,0	11,9	13,9	15,8	17,7	19,6	21,6	23,5	25,4	27,3	29,3	31,3	33,2	35,1	37,1	39,0	42,8	46,7	50,6	~19,6 kg/m
	90/70/20°C [W]	360	450	539	630	719	810	900	989	1080	1169	1260	1349	1439	1530	1619	1710	1799	1979	2160	2339	900 W/m
	75/65/20°C [W]	286	357	428	500	571	643	714	785	857	928	1000	1071	1142	1214	1285	1357	1428	1571	1714	1856	714 W/m
	55/45/20°C [W]	150	187	224	262	299	337	374	411	449	486	523	561	598	635	673	710	747	822	897	971	374 W/m
210 mm		exponent n=1,2986																				
	Water capacity [l]*	2,9	3,3	3,8	4,2	4,6	5,1	5,5	6,0	6,4	6,9	7,3	7,7	8,2	8,6	9,1	9,5	9,9	10,8	11,7	12,6	~5,5 l/m
	Weight [kg]**	12,2	15,1	18,0	21,0	23,9	26,7	29,6	32,7	35,5	38,4	41,3	44,3	47,2	50,1	52,9	56,0	58,8	64,6	70,5	76,4	~29,6 kg/m
	90/70/20°C [W]	596	745	894	1043	1192	1341	1490	1639	1788	1937	2086	2235	2384	2533	2682	2831	2980	3278	3576	3874	1490 W/m
	75/65/20°C [W]	470	588	706	823	941	1058	1176	1294	1411	1529	1646	1764	1882	1999	2117	2234	2352	2587	2822	3058	1176 W/m
	55/45/20°C [W]	242	303	363	424	485	545	606	666	727	787	848	909	969	1030	1090	1151	1212	1333	1454	1575	606 W/m
280 mm		exponent n=1,3008																				
	Water capacity [l]*	3,8	4,4	5,0	5,6	6,2	6,8	7,4	8,0	8,6	9,1	9,7	10,3	10,9	11,5	12,1	12,7	13,3	14,4	15,6	16,8	~7,4 l/m
	Weight [kg]**	16,3	20,2	24,0	28,1	31,9	35,8	39,6	43,7	47,5	51,4	55,2	59,3	63,1	67,0	70,8	74,9	78,7	86,4	94,3	102,2	~39,6 kg/m
	90/70/20°C [W]	721	901	1082	1262	1442	1622	1803	1983	2163	2343	2524	2704	2884	3064	3245	3425	3605	3966	4326	4687	1803 W/m
	75/65/20°C [W]	569	711	853	995	1138	1280	1422	1564	1706	1849	1991	2133	2275	2417	2560	2702	2844	3128	3413	3697	1422 W/m
	55/45/20°C [W]	293	366	439	512	585	659	732	805	878	951	1024	1098	1171	1244	1317	1390	1463	1610	1756	1902	732 W/m

* 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)

K33, K33W

exponent n=1,3049

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	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	~1,8 l/m
	Weight [kg]**	4,3	5,3	6,4	7,5	8,5	9,5	10,6	11,7	12,7	13,7	14,8	15,8	16,9	17,9	18,9	20,0	21,1	23,1	25,2	27,4	~10,6 kg/m
	Weight K22W [kg] **	5,7	6,9	8,2	9,5	10,8	12,1	13,4	14,7	16,0	17,2	18,5	19,9	21,1	22,4	23,6	25,0	26,3	28,8	31,4	34,0	~13,4 kg/m
	90/70/20°C [W]	338	422	507	591	676	760	845	929	1014	1098	1183	1267	1352	1436	1521	1605	1690	1859	2028	2197	845 W/m
	75/65/20°C [W]	266	333	400	466	533	599	666	733	799	866	932	999	1066	1132	1199	1265	1332	1465	1598	1732	666 W/m
	55/45/20°C [W]	137	171	205	239	274	308	342	376	410	445	479	513	547	581	616	650	684	752	821	889	342 W/m
140 mm		exponent n=1,2990																				
	Water capacity [l]*	1,9	2,2	2,5	2,8	3,1	3,4	3,7	4,0	4,3	4,6	4,9	5,1	5,4	5,7	6,0	6,3	6,6	7,2	7,8	8,4	~3,7 l/m
	Weight [kg]**	8,8	10,9	13,1	15,3	17,4	19,5	21,7	23,9	26,0	28,1	30,3	32,5	34,6	36,7	38,9	41,1	43,2	47,4	51,8	56,2	~21,7 kg/m
	Weight K22W [kg] **	11,2	13,8	16,4	19,1	21,7	24,3	26,9	29,6	32,2	34,8	37,4	40,1	42,7	45,3	47,9	50,6	53,2	58,4	63,7	69,0	~26,9 kg/m
	90/70/20°C [W]	537	672	806	940	1075	1209	1343	1478	1612	1746	1881	2015	2149	2284	2418	2552	2687	2955	3224	3493	1343 W/m
	75/65/20°C [W]	424	530	636	742	848	954	1060	1166	1272	1378	1484	1590	1696	1802	1908	2014	2120	2332	2544	2756	1060 W/m
	55/45/20°C [W]	218	273	328	382	437	491	546	600	655	710	764	819	873	928	983	1037	1092	1201	1310	1419	546 W/m
210 mm		exponent n=1,2932																				
	Water capacity [l]*	2,9	3,3	3,8	4,2	4,6	5,1	5,5	6,0	6,4	6,9	7,3	7,7	8,2	8,6	9,1	9,5	9,9	10,8	11,7	12,6	~5,5 l/m
	Weight [kg]**	13,3	16,5	19,7	23,1	26,3	29,5	32,7	36,2	39,4	42,6	45,8	49,2	52,4	55,6	58,8	62,2	65,4	71,8	78,4	85,0	~32,7 kg/m
	Weight K22W [kg] **	17,0	20,9	24,8	28,9	32,8	36,7	40,6	44,7	48,6	52,5	56,5	60,6	64,5	68,4	72,3	76,4	80,3	88,1	96,1	104,2	~40,6 kg/m
	90/70/20°C [W]	698	872	1047	1221	1396	1570	1744	1919	2093	2268	2442	2617	2791	2965	3140	3314	3489	3838	4187	4535	1744 W/m
	75/65/20°C [W]	551	689	827	965	1102	1240	1378	1516	1654	1791	1929	2067	2205	2343	2480	2618	2756	3032	3307	3583	1378 W/m
	55/45/20°C [W]	285	356	427	498	569	641	712	783	854	925	997	1068	1139	1210	1281	1352	1424	1566	1708	1851	712 W/m
280 mm		exponent n=1,2873																				
	Water capacity [l]*	3,8	4,4	5,0	5,6	6,2	6,8	7,4	8,0	8,6	9,1	9,7	10,3	10,9	11,5	12,1	12,7	13,3	14,4	15,6	16,8	~7,4 l/m
	Weight [kg]**</																					



EXACT

HEATING OUTPUTS, WEIGHTS & WATER CAPACITY

K43

exponent n=1,2943

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,5	4,9	5,2	5,6	~2,5 l/m
	Weight [kg]**	5,5	6,8	8,1	9,5	10,8	12,0	13,3	14,7	16,0	17,2	18,5	19,9	21,2	22,4	23,7	25,1	26,4	28,9	31,6	34,2	~13,3kg/m
	90/70/20°C [W]	410	512	615	717	819	922	1024	1127	1229	1332	1434	1536	1639	1741	1844	1946	2049	2253	2458	2663	1024 W/m
	75/65/20°C [W]	324	405	485	566	647	728	809	890	971	1052	1133	1214	1294	1375	1456	1537	1618	1780	1942	2103	809 W/m
	55/45/20°C [W]	167	209	251	292	334	376	418	459	501	543	585	626	668	710	752	794	835	919	1002	1086	418 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	2,7	3,1	3,5	3,9	4,2	4,6	5,0	5,4	5,8	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,0	9,7	10,5	11,3	~5,0 l/m
	Weight [kg]**	11,2	13,8	16,5	19,2	21,8	24,5	27,1	29,9	32,5	35,1	37,8	40,5	43,1	45,8	48,4	51,2	53,8	59,1	64,4	69,8	~27,1kg/m
	90/70/20°C [W]	640	800	960	1120	1280	1440	1600	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	3520	3839	4159	1600 W/m
	75/65/20°C [W]	505	632	758	884	1010	1137	1263	1389	1516	1642	1768	1895	2021	2147	2273	2400	2526	2779	3031	3284	1263 W/m
	55/45/20°C [W]	261	326	391	456	521	586	651	716	782	847	912	977	1042	1107	1172	1237	1303	1433	1563	1693	651 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
210 mm	Water capacity [l]*	4,0	4,6	5,2	5,8	6,4	7,0	7,6	8,2	8,7	9,3	9,9	10,5	11,1	11,7	12,3	12,9	13,4	14,6	15,8	17,0	~7,6 l/m
	Weight [kg]**	16,8	20,8	24,8	29,0	32,9	36,9	40,9	45,0	49,0	53,0	57,0	61,1	65,1	69,1	73,0	77,2	81,2	89,1	97,3	105,5	~40kg/m
	90/70/20°C [W]	834	1042	1251	1459	1668	1876	2084	2293	2501	2710	2918	3127	3335	3544	3752	3960	4169	4586	5003	5420	2084 W/m
	75/65/20°C [W]	658	823	987	1152	1316	1481	1645	1810	1974	2139	2303	2468	2632	2797	2961	3126	3290	3619	3948	4277	1645 W/m
	55/45/20°C [W]	339	424	508	593	678	763	847	932	1017	1102	1186	1271	1356	1440	1525	1610	1695	1864	2034	2203	847 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
280 mm	Water capacity [l]*	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	17,9	19,5	21,1	22,7	~10,1 l/m
	Weight [kg]**	22,4	27,7	33,0	38,6	43,9	49,2	54,6	60,2	65,5	70,8	76,1	81,7	87,0	92,3	97,6	103,2	108,6	119,2	130,1	141,0	~54,6kg/m
	90/70/20°C [W]	1009	1261	1514	1766	2018	2270	2523	2775	3027	3279	3532	3784	4036	4288	4541	4793	5045	5550	6054	6559	2523 W/m
	75/65/20°C [W]	796	995	1194	1393	1592	1791	1990	2189	2388	2587	2786	2985	3184	3383	3582	3781	3980	4378	4776	5174	1990 W/m
	55/45/20°C [W]	410	512	614	717	819	922	1024	1126	1229	1331	1434	1536	1638	1741	1843	1945	2048	2253	2457	2662	1024 W/m

* 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)

K44, K44W

exponent n=1,3049

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,5	4,9	5,2	5,6	~2,5 l/m
	Weight [kg]**	5,9	7,3	8,6	10,1	11,5	12,9	14,3	15,8	17,1	18,5	19,9	21,3	22,7	24,1	25,5	26,9	28,3	31,1	33,9	36,8	~14,3kg/m
	Weight K22W [kg] **	7,2	8,9	10,5	12,2	13,8	15,5	17,1	18,8	20,4	22,0	23,7	25,4	27,0	28,6	30,2	31,9	33,6	36,8	40,1	43,5	~17,1kg/m
	90/70/20°C [W]	452	565	678	791	904	1017	1130	1243	1356	1469	1582	1695	1809	1922	2035	2148	2261	2487	2713	2939	1130 W/m
	75/65/20°C [W]	356	446	535	624	713	802	891	980	1069	1158	1247	1337	1426	1515	1604	1693	1782	1960	2138	2317	891 W/m
	55/45/20°C [W]	183	229	274	320	366	412	457	503	549	595	640	686	732	778	823	869	915	1006	1098	1189	457 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	2,7	3,1	3,5	3,9	4,2	4,6	5,0	5,4	5,8	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,0	9,7	10,5	11,3	~5,0 l/m
	Weight [kg]**	11,9	14,8	17,6	20,6	23,5	26,3	29,1	32,1	35,0	37,8	40,7	43,7	46,5	49,4	52,2	55,2	58,0	63,7	69,6	75,4	~29,1kg/m
	Weight K22W [kg] **	14,4	17,7	21,0	24,5	27,9	31,2	34,5	38,0	41,3	44,6	47,9	51,4	54,7	58,0	61,3	64,8	68,1	74,7	81,5	88,4	~34,5kg/m
	90/70/20°C [W]	718	898	1077	1257	1437	1616	1796	1975	2155	2334	2514	2694	2873	3053	3232	3412	3591	3951	4310	4669	1796 W/m
	75/65/20°C [W]	567	709	850	992	1134	1275	1417	1559	1700	1842	1984	2126	2267	2409	2551	2692	2834	3117	3401	3684	1417 W/m
	55/45/20°C [W]	292	365	438	511	584	657	730	803	876	949	1022	1095	1168	1241	1314	1387	1460	1605	1751	1897	730 W/m

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000

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HEATING OUTPUTS, WEIGHTS & WATER CAPACITY



K54

exponent n=1,2943

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	1,7	1,9	2,2	2,4	2,7	2,9	3,2	3,4	3,7	3,9	4,1	4,4	4,6	4,9	5,1	5,4	5,6	6,1	6,6	7,1	~3,2 l/m
	Weight [kg]**	7,1	8,7	10,4	12,1	13,7	15,4	17,0	18,8	20,4	22,0	23,6	25,4	27,0	28,6	30,3	32,0	33,6	36,9	40,3	43,6	~17,0kg/m
	90/70/20°C [W]	521	651	781	911	1041	1171	1302	1432	1562	1692	1822	1952	2083	2213	2343	2473	2603	2864	3124	3384	1302 W/m
	75/65/20°C [W]	411	514	617	720	822	925	1028	1131	1234	1336	1439	1542	1645	1748	1850	1953	2056	2262	2467	2673	1028 W/m
	55/45/20°C [W]	212	265	318	371	425	478	531	584	637	690	743	796	849	902	955	1008	1061	1168	1274	1380	531 W/m

exponent n=1,2965

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	3,4	3,9	4,4	4,9	5,4	5,9	6,4	6,9	7,4	7,9	8,3	8,8	9,3	9,8	10,3	10,8	11,3	12,3	13,2	14,2	~6,4 l/m
	Weight [kg]**	14,3	17,6	21,0	24,5	27,9	31,2	34,6	38,1	41,5	44,8	48,2	51,7	55,0	58,4	61,7	65,3	68,6	75,3	82,2	89,1	~34,6kg/m
	90/70/20°C [W]	814	1017	1221	1424	1627	1831	2034	2238	2441	2645	2848	3051	3255	3458	3662	3865	4068	4475	4882	5289	2034 W/m
	75/65/20°C [W]	642	803	964	1124	1285	1445	1606	1767	1927	2088	2248	2409	2570	2730	2891	3051	3212	3533	3854	4176	1606 W/m
	55/45/20°C [W]	331	414	497	580	663	745	828	911	994	1077	1159	1242	1325	1408	1491	1574	1656	1822	1988	2153	828 W/m

exponent n=1,2986

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
210 mm	Water capacity [l]*	5,2	5,9	6,7	7,4	8,1	8,9	9,6	10,3	11,1	11,8	12,5	13,3	14,0	14,7	15,5	16,2	17,0	18,4	19,9	21,4	~9,6 l/m
	Weight [kg]**	21,5	26,5	31,6	36,9	42,0	47,1	52,1	57,5	62,5	67,6	72,7	78,0	83,1	88,1	93,2	98,6	103,6	113,7	124,1	134,6	~52,1kg/m
	90/70/20°C [W]	1060	1325	1591	1856	2121	2386	2651	2916	3181	3446	3711	3976	4241	4506	4772	5037	5302	5832	6362	6892	2651 W/m
	75/65/20°C [W]	837	1046	1255	1464	1674	1883	2092	2301	2510	2720	2929	3138	3347	3556	3766	3975	4184	4602	5021	5439	2092 W/m
	55/45/20°C [W]	431	539	647	754	862	970	1078	1185	1293	1401	1509	1616	1724	1832	1940	2047	2155	2371	2586	2802	1078 W/m

exponent n=1,3008

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
280 mm	Water capacity [l]*	6,9	7,9	8,9	9,9	10,9	11,8	12,8	13,8	14,8	15,8	16,7	17,7	18,7	19,7	20,7	21,6	22,6	24,6	26,5	28,5	~12,8 l/m
	Weight [kg]**	28,7	35,4	42,2	49,4	56,1	62,9	69,7	76,9	83,6	90,4	97,2	104,3	111,1	117,9	124,7	131,8	138,6	152,1	166,1	180,0	~69,7kg/m
	90/70/20°C [W]	1283	1604	1924	2245	2566	2886	3207	3528	3849	4169	4490	4811	5131	5452	5773	6094	6414	7056	7697	8339	3207 W/m
	75/65/20°C [W]	1012	1265	1518	1771	2024	2277	2530	2783	3036	3289	3542	3795	4048	4301	4554	4807	5060	5566	6072	6578	2530 W/m
	55/45/20°C [W]	521	651	781	911	1041	1172	1302	1432	1562	1692	1822	1953	2083	2213	2343	2473	2604	2864	3124	3385	1302 W/m

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

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

K55, K55W

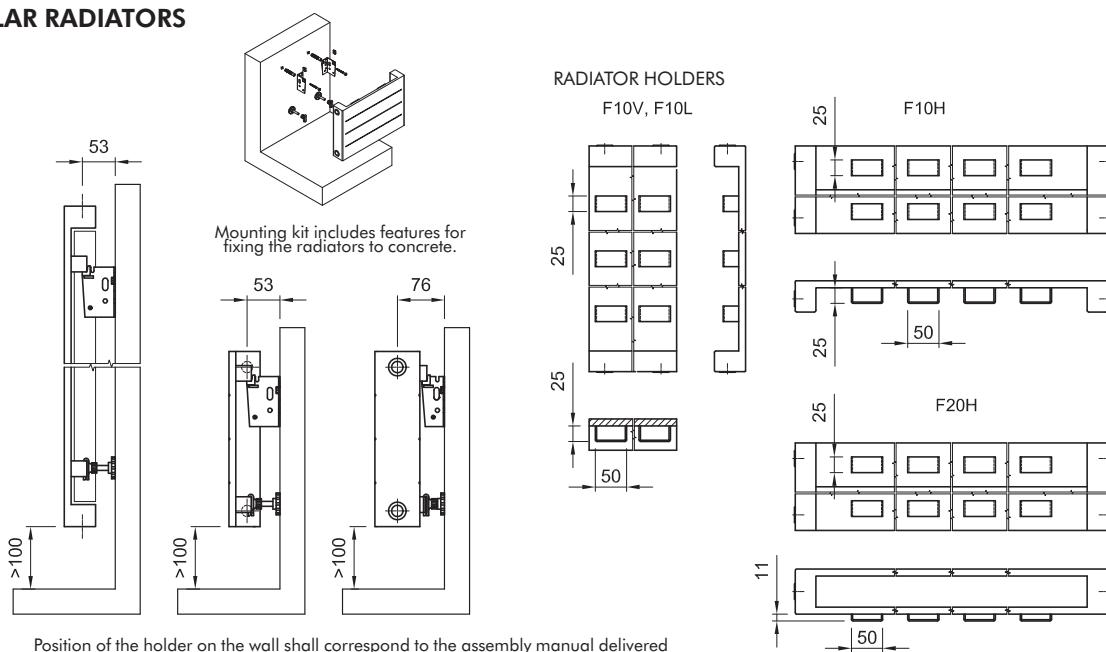
exponent n=1,3049

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
70 mm	Water capacity [l]*	1,7	1,9	2,2	2,4	2,7	2,9	3,2	3,4	3,7	3,9	4,1	4,4	4,6	4,9	5,1	5,4	5,6	6,1	6,6	7,1	~3,2 l/m
	Weight [kg]**	7,5	9,2	10,9	12,8	14,5	16,2	18,0	19,9	21,5	23,3	25,0	26,8	28,6	30,3	32,0	33,9	35,6	39,1	42,7	46,2	~18,0kg/m
	Weight K22W [kg] **	8,7	10,6	12,6	14,7	16,7	18,7	20,7	22,8	24,7	26,7	28,7	30,8	32,8	34,8	36,7	38,8	40,9	44,8	48,9	53,0	~20,7kg/m
	90/70/20°C [W]	563	704	845	986	1127	1267	1408	1549	1690	1831	1971	2112	2253	2394	2535	2675	2816	3098	3380	3661	1408 W/m
	75/65/20°C [W]	444	555	666	777	888	999	1110	1221	1332	1443	1554	1665	1776	1887	1998	2109	2220	2442	2664	2886	1110 W/m
	55/45/20°C [W]	228	285	342	399	456	513	570	627	684	741	798	855	912	969	1026	1083	1140	1254	1368	1482	570 W/m

exponent n=1,2990

Height	Length [mm]	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800-6000
140 mm	Water capacity [l]*	3,4	3,9	4,4	4,9	5,4	5,9	6,4	6,9	7,4	7,9	8,3	8,8	9,3	9,8	10,3	10,8	11,3	12,3	13,2	14,2	~6,4 l/m
	Weight [kg]**	15,0	18,6	22,1	25,9	29,5	33,0	36,6	40,4	43,9	47,5	51,1	54,8	58,4	62,0	65,5	69,3	72,9	80,0	87,3	94,7	~36,6kg/m
	Weight K22W [kg] **	17,6	21,7	25,7	29,9	34,0	38,0	42,1	46,3	50,3	54,4	58,4	62,7	66,7	70,7	74,7	79,0	83,1	91,1	99,4	107,7	~42,1kg/m
	90/70/20°C [W]	895	1119	1343	1567	1790	2014	2238	2462	2686	2909	3133	3357	3581	3805	4028	4252	4476	4923	5371	5819	2238 W/m
	75/65/20°C [W]	706	883	1060	1236	1413	1589	1766	1943	2119	2296	2472	2649	2826	3002	3179	3355	3532	3885	4238	4592	1766 W/m
	55/45/20°C [W]	364	455	546	637	728	819	909	1000	1091	1182	1273	1364	1455	1546	1637	1728	1819	2001	2183	2365	909 W/m

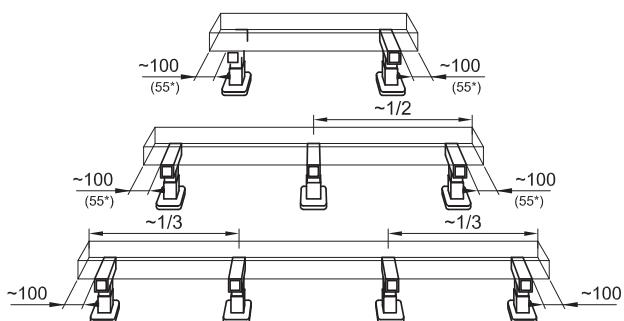
exponent n=1,2932

LAMELLAR RADIATORS

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

CONVECTORS

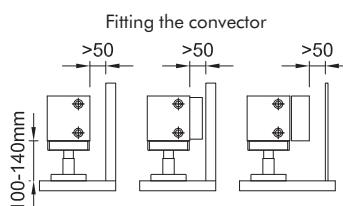
Number of stands and overview of the distribution on the convector



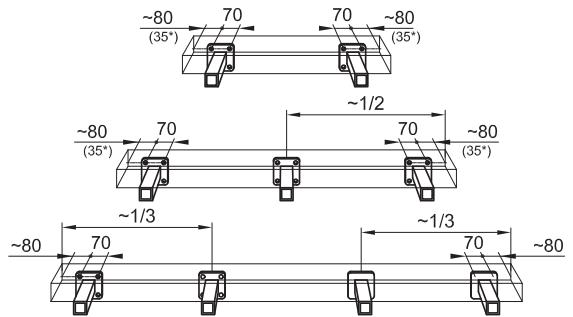
Length

400 - 2000 mm

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



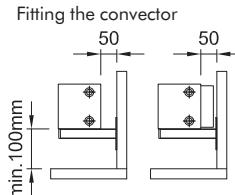
Number of brackets and overview of the distribution on the convector



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.

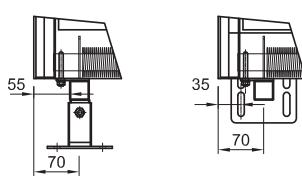


Number of stands / brackets K54, K55, K55W: 400-1000mm = 2 pcs., 1100-2000mm = 3 pcs., 2200-4000mm = 4pcs., 4200-6000mm = 5pcs.

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 snow-white finish - extra charge 30 % order code 01	RAL 9016		colour series shade snow-white finish texture extra charge 30 % order code 68	S09		colour series shade ivory finish - extra charge 30 % order code 04	RAL 9001
	colour series shade champagne finish metallic extra charge 30 % order code 25	S31		colour series shade papyrus finish - extra charge 30 % order code 14	RAL 9018		colour series shade ivory finish texture extra charge 30 % order code 67	S08
	colour series shade lime finish - extra charge 30 % order code 09	S26		colour series shade khaki finish texture extra charge 30 % order code 21	S27		colour series shade antique gold finish metallic extra charge 30 % order code 48	S36
	colour series shade pink coral finish texture extra charge 30 % order code 26	S32		colour series shade fiery red finish - extra charge 30 % order code 08	RAL 3002		colour series shade ruby finish - extra charge 30 % order code 28	S34
	colour series shade sandstone finish texture extra charge 30 % order code 72	S13		colour series shade gold olive finish texture extra charge 30 % order code 22	S28		colour series shade linden green finish - extra charge 30 % order code 06	RAL 6021
	colour series shade aquamarine finish metallic extra charge 30 % order code 23	S29		colour series shade pigeon blue finish - extra charge 30 % order code 07	RAL 5014		colour series shade sapphire finish texture extra charge 30 % order code 24	S30
	colour series shade lava ash finish texture extra charge 30 % order code 27	S33		colour series shade copper finish metallic extra charge 30 % order code 62	S03		colour series shade brass finish metallic extra charge 30 % order code 83	S19
	colour series shade dark grey finish texture extra charge 30 % order code 50	S38		colour series shade silver finish metallic extra charge 30 % order code 64	S05		colour series shade light grey texture extra charge 30 % order code 49	S37
	colour series shade anthracite finish metallic extra charge 30 % order code 61	S02		colour series shade cinnamon finish texture extra charge 30 % order code 29	S35		colour series shade slate texture extra charge 30 % order code 69	S10
				colour series shade transparent paint finish transparent paint extra charge 30 % order code 84	S20		colour series shade black velvet finish mat extra charge 30 % order code 51	S40

Special treatment

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

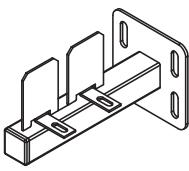
RAL surcharge

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

Other RAL colours (over 10 pc) - individual calculation

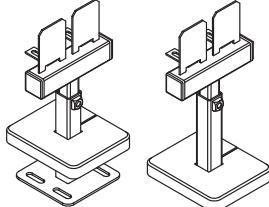
ACCESORIES

CONVECTOR BRACKET



Specify convector type while ordering bracket separately.

CONVECTOR STAND



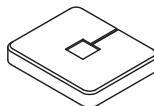
Specify convector type while ordering bracket stands separately.

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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