Product Portfolio

BOKI industries

BOKI Industries a.s.

BOKI Industries a.s. **is a stable, purely Czech company with a long history.** Its factory in Zruč nad Sázavou is located in the original Bata premises.

The company currently has **two divisions:** HEATING and METAL.

The **HEATING** Division includes the **production and development of trench, free-standing, wall-mounted and designer convectors**. Our products can be found in the Czech and Slovak Republics, Hungary and Germany under the BOKI brand. Since 2009, our company has been an **OEM supplier** for the international company **Purmo Group**, which sells our products under the PURMO brand worldwide and is a leader in the heating industry.

The **METAL** Division is engaged in the **production of sheet metal parts, including their final surface treatment**. Our business partners include major Czech and foreign companies operating in various industries, such as engineering, the electrical industry, healthcare, rolling stock manufacturers and more. We export our products not only to most European countries, but also overseas. Thanks to our personal approach, high quality and reliability, we are constantly expanding our client base.

The company's goal is to be a professional, dynamic and responsible company operating at a high expert, technical and organisational level with the ability to continuously develop and respond to partner requirements. We guarantee a **personal approach**, especially active assistance in innovating and optimising solutions. We are continuously investing in further technological and personnel development to ensure we will always be among the leaders in our industry.

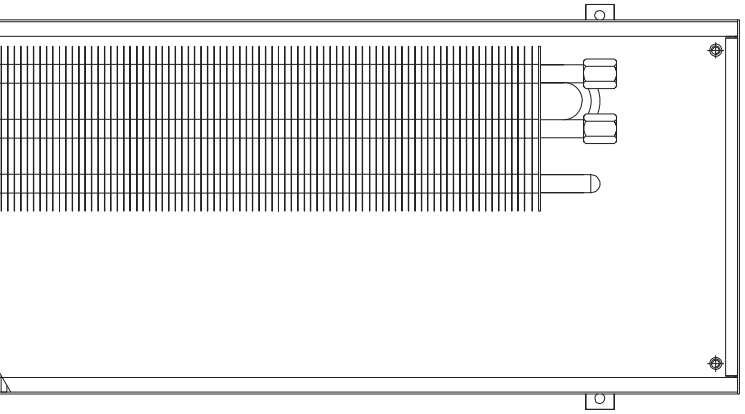
Our products comply with current standards and norms and are certified according to **ČSN EN 16430**.

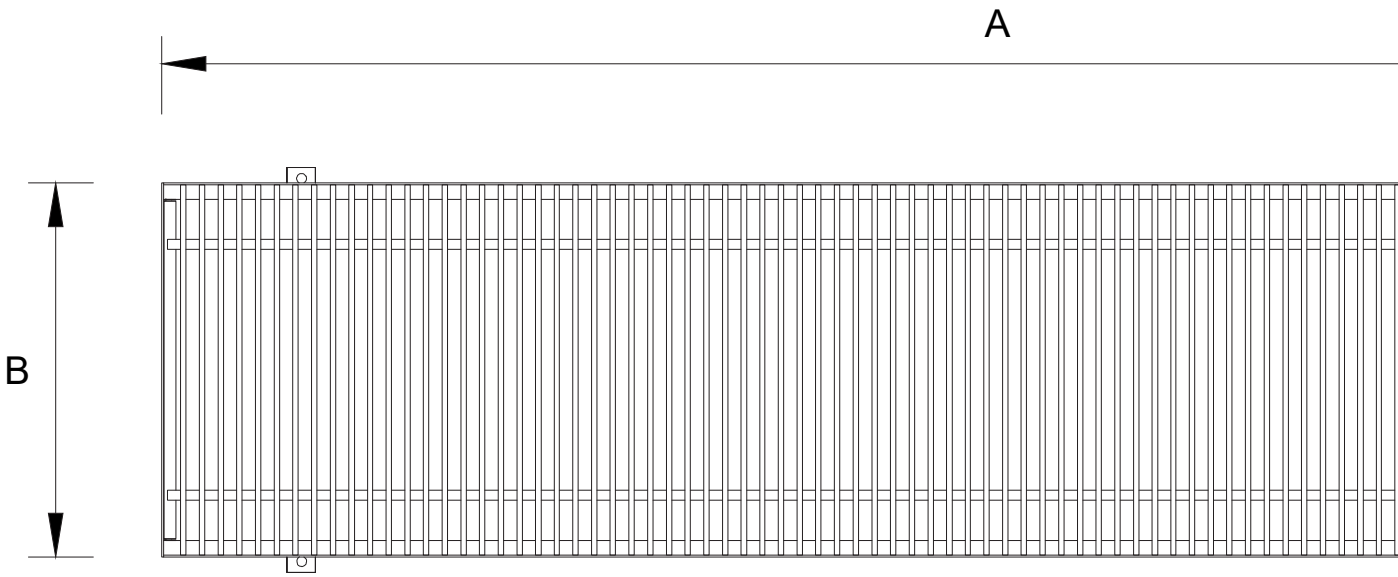
"Our success is based around the principles of Tomas Bata - honest work, innovation and the courage to change the world through quality Czech industry."

Table of contents

01 Trench convectors

BOKI trench convectors are the ideal solution for any building where both aesthetics and functionality are important. Their installation in the floor means this type of convector is most often used in combination with French windows and large glazed surfaces. A huge advantage of trench convectors is the small amount of water in the heat exchanger (compared to conventional radiators), which ensures fast room heating. Their installation in the floor means they are an optimal source of heat circulation in a room.




A
B

EFFICIENT HEATING

Trench convectors placed in front of windows effectively prevent cold from penetration the room and ensure even heat distribution throughout the room, thus providing high thermal comfort.

OPTIMAL USE OF SPACE

Trench convectors placed in front of windows offer an elegant and unobtrusive solution to replace traditional panel heaters. They are the ideal solution for modern interiors.

PROTECTION AGAINST WINDOW FOGGING

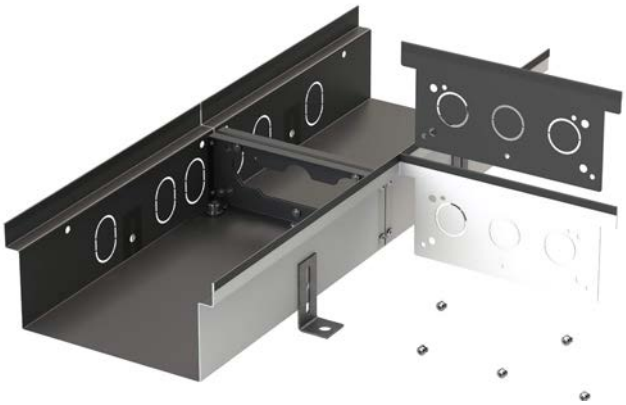
Trench convectors placed in front of windows help prevent fogging. This reduces the risk of mould and improves the air quality in the room.

FAST RESPONSE TIME

Thanks to the heat exchanger, which contains only a small volume of water compared to panel radiators, trench convectors can quickly respond to new temperature changes.

COMBINATION WITH OTHER HEATING SYSTEMS

Trench convectors can be used to supplement other types of heating, for example under-floor heating. They can also be used to cool a space.



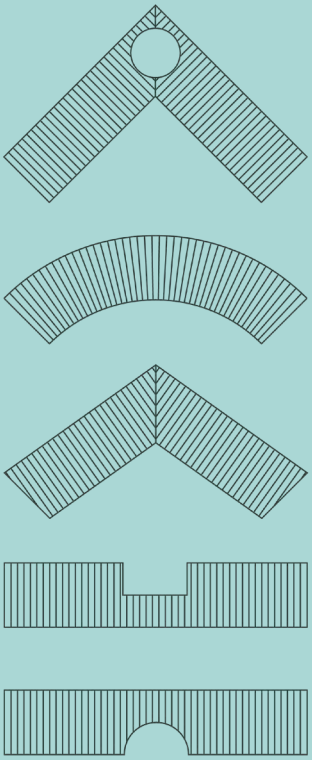
CONNECTING CONVECTORS

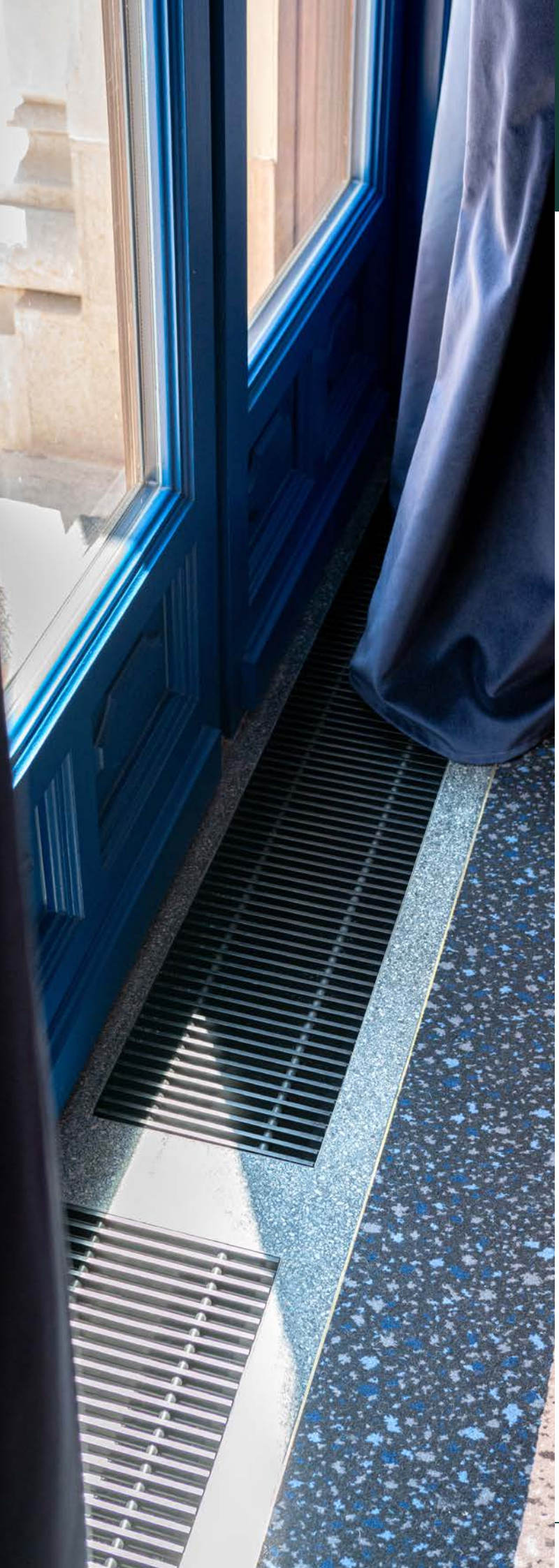
After the end plates are removed, convectors with the same dimensions (width x height) can be connected to form one continuous convector. If this is done, the length of the ordered grille should be equal to the total length of the assembled convector.

PROJECT SOLUTION

Sometimes atypical solutions are needed. If you need arch, corner or other atypical convectors, we will be happy to help.

For demanding projects, a professional measuring service is included.





Explanation of graphic symbols

- Heating
- Cooling
- Natural convection
- Forced convection
- Voltage 24 V
- Voltage 230 V

Duct materials

> galvanised steel
> RAL 9005

> stainless steel

Grille materials

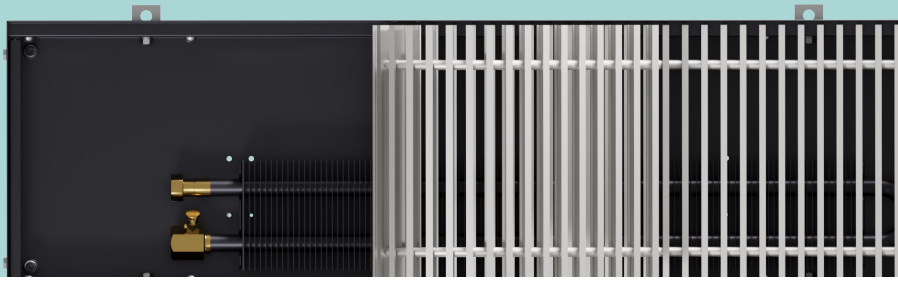
- Natural duralumin
- Light bronze duralumin
- Dark bronze duralumin
- Black duralumin
- Stainless steel
- Beech without surface treatment
- Lacquered / oiled beech
- Oak without surface treatment
- Lacquered / oiled oak

Product overview

	**FMS trench convector** • simple and noisless • large selection of widths, heights and lengths • option to use a longitudinal grille • heat output from 110 to 3 281 W	✓	•	✓	•	•	•
	**F1S trench convector** • convector width from 170 mm • convector height 75 and 110 mm • quiet fans • heat output from 192 to 9 775 W	✓	•	•	✓	✓	•
	**F2C trench convector** • heating or cooling • two different widths and heights • safe voltage 24 V • heat output from 501 to 10 705 W • cooling output from 128 to 2 733 W	✓	✓	•	✓	✓	•
	**F2V trench convector** • heating or cooling • the most powerful type of convector • 230 V for high cooling output • heat output from 942 to 12 998 W • cooling output from 293 to 4 045 W	✓	✓	•	✓	•	✓
	**F4C trench convector** • heating and cooling at the same time • maximum use of the convector length • safe voltage 24 V • heat output from 542 to 7 233 W • cooling output from 198 to 2 733 W	✓	✓	•	✓	✓	•
	**F4V trench convector** • heating and cooling at the same time • maximum use of the convector length • 230 V for high cooling output • heat output from 637 to 8 782 W • cooling output from 293 to 4 045 W	✓	✓	•	✓	•	✓

FMS trench convector

without fan



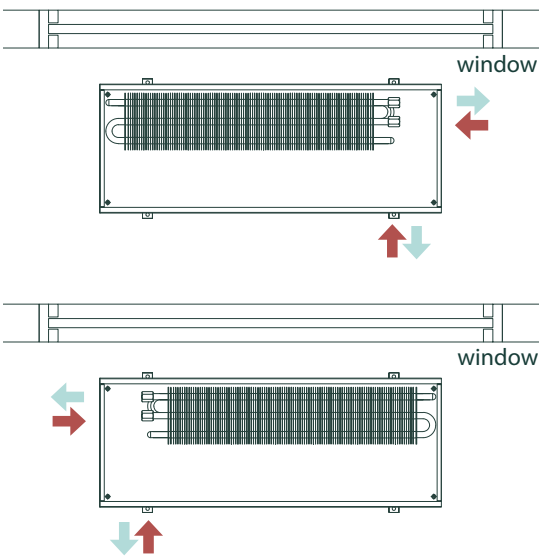
Height	90, 110, 140, 190 mm
Width	200, 250, 280, 300, 340, 420 mm
Length	from 700 to 3 600 mm
Heat output	from 110 to 3 281 W
Connection thread	internal G1/2" thread
Duct material	galvanised steel, stainless steel

Basic characteristics

- simple, economical and noiseless
- low water volume for fast response and energy savings
- heating on the principle of natural convection
- suitable for combination with underfloor heating and for heating rooms with lower heat loss
- creates a thermal screen in front of large glazed surfaces
- control by thermostatic actuator with separate control or thermostat with electrothermal actuator
- custom modifications available - dimensions, shape

Definition of connection

You can choose to connect the convector from the right or left on site by simply reversing the heat exchanger's position in the convector duct.



Standard package contents

1. lacquered galvanised steel duct in black RAL 9005
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. connection cover plate
4. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- thermostatic actuator with separate control
- legs for raised floors
- external thermal and acoustic insulation of the entire duct

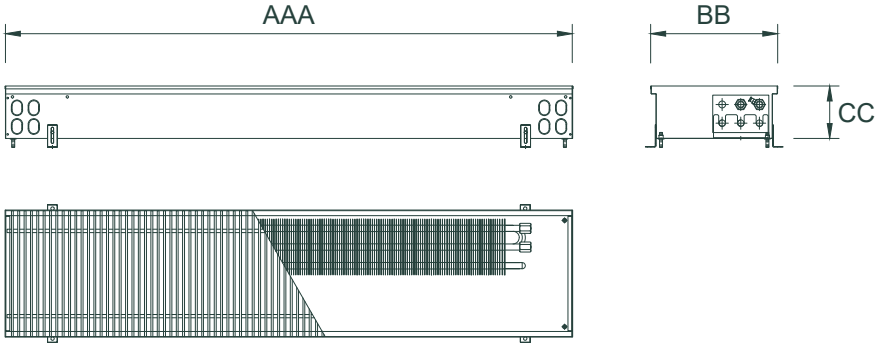
Ordering code

Type	Width BB	Length AAA	Height CC	Duct material
FMS = without fan	20 = 200 mm	070 = 700 mm	09 = 90 mm	01 = galvanised steel
	25 = 250 mm	:	11 = 110 mm	11 = stainless steel
	28 = 280 mm	:	14 = 140 mm	
	30 = 300 mm	:	19 = 190 mm	
	34 = 340 mm	:		
	42 = 420 mm	360 = 3 600 mm		

Example:

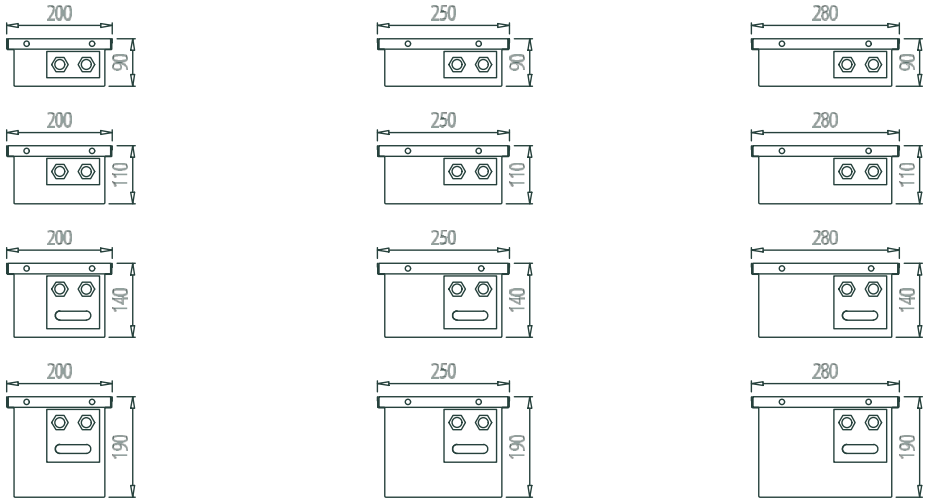
Trench convector, type FMS, width 250 mm, length 1 500 mm, height 90 mm, galvanised duct

FMS - 25 - 150 - 09 - 01

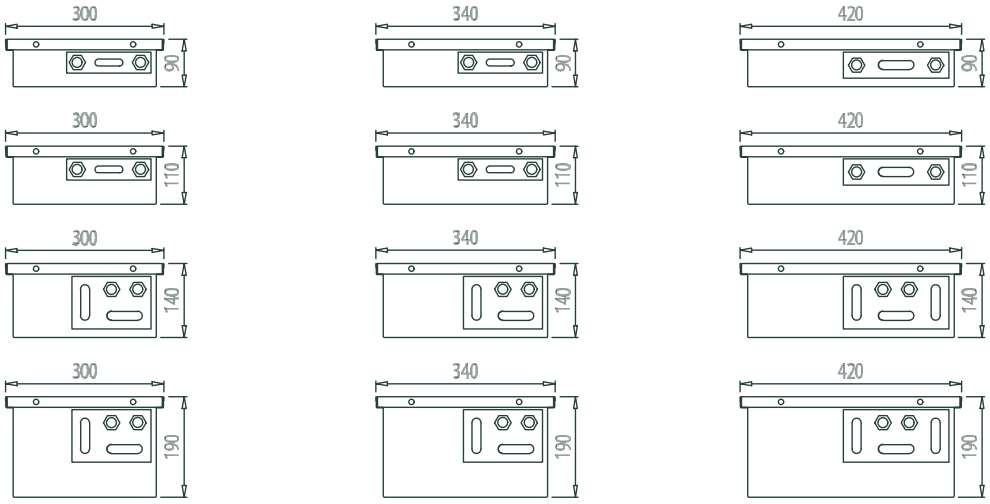


FMS trench convector

Thermal outputs



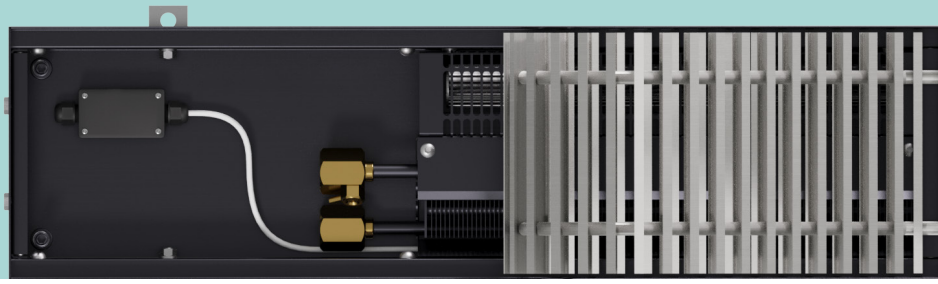
Width B	[mm]	200				250				280			
Height C	[mm]	90	110	140	190	90	110	140	190	90	110	140	190
		Heat output [W] according to EN 16430 - 75/65/20 °C											
Length A [mm]	**700**	110	121	134	138	137	161	199	226	140	179	219	260
	800	134	148	163	169	166	196	242	275	171	218	266	317
	900	158	174	193	199	196	231	285	325	201	257	314	373
	1 000	182	200	222	229	226	266	328	374	232	296	361	430
	1 100	206	227	251	259	255	301	371	423	262	335	409	486
	1 200	230	253	280	289	285	336	414	472	293	374	456	543
	1 300	254	280	309	319	315	372	458	521	323	413	504	599
	1 400	278	306	339	349	344	407	501	571	354	452	551	656
	1 500	302	332	368	379	374	442	544	620	384	491	599	712
	1 600	326	359	397	409	404	477	587	669	415	529	646	769
	1 800	374	411	455	470	463	547	673	767	476	607	741	882
	2 000	422	464	514	530	523	617	760	866	537	685	836	995
	2 200	470	517	572	590	582	687	846	964	598	763	931	1 108
	2 400	518	570	630	650	641	757	932	1 062	659	841	1 026	1 221
	2 500	542	596	660	680	671	792	975	1 112	690	880	1 074	1 277
	2 600	566	623	689	710	701	827	1 019	1 161	720	919	1 121	1 334
	2 700	590	649	718	741	730	862	1 062	1 210	751	958	1 169	1 391
	2 800	614	675	747	771	760	897	1 105	1 259	781	997	1 216	1 447
	2 900	638	702	776	801	790	932	1 148	1 308	812	1 036	1 264	1 504
	3 000	662	728	805	831	820	967	1 191	1 357	842	1 074	1 311	1 560
	3 200	710	781	864	891	879	1 038	1 278	1 456	903	1 152	1 406	1 673
	3 400	758	834	922	951	938	1 108	1 364	1 554	964	1 230	1 501	1 786
	3 600	806	886	981	1 011	998	1 178	1 450	1 653	1 025	1 308	1 596	1 899
Water volume	[l/m]	0.3	0.3	0.6	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.6	0.6
Weight	[kg/m]	6.7	7.0	8.8	9.5	7.3	7.7	9.5	10.2	7.3	7.7	9.5	10.2



Width B	[mm]	300				340				420			
Height C	[mm]	90	110	140	190	90	110	140	190	90	110	140	190
		Heat output [W] according to EN 16430 - 75/65/20 °C											
Length A [mm]	**700**	176	213	238	300	194	232	276	364	228	278	325	449
	800	215	260	290	365	237	282	337	444	277	338	395	547
	900	253	306	341	430	279	332	397	523	327	399	466	645
	1 000	291	353	393	496	321	383	457	602	377	459	537	742
	1 100	330	399	445	561	363	433	517	681	426	520	607	840
	1 200	368	445	496	626	406	483	577	761	476	580	678	937
	1 300	406	492	548	691	448	534	637	840	525	640	748	1 035
	1 400	445	538	600	756	490	584	697	919	575	701	819	1 133
	1 500	483	584	652	822	532	635	757	998	624	761	890	1 230
	1 600	521	631	703	887	575	685	817	1 078	674	822	960	1 328
	1 800	598	724	807	1 017	659	786	938	1 236	773	942	1 102	1 523
	2 000	675	816	910	1 148	744	886	1 058	1 395	872	1 063	1 243	1 719
	2 200	751	909	1 014	1 278	828	987	1 178	1 553	971	1 184	1 384	1 914
	2 400	828	1 002	1 117	1 408	912	1 088	1 298	1 711	1 070	1 305	1 525	2 109
	2 500	866	1 048	1 169	1 474	955	1 138	1 358	1 791	1 120	1 365	1 596	2 207
	2 600	905	1 095	1 220	1 539	997	1 188	1 418	1 870	1 169	1 426	1 666	2 305
	2 700	943	1 141	1 272	1 604	1 039	1 239	1 479	1 949	1 219	1 486	1 737	2 402
	2 800	981	1 187	1 324	1 669	1 081	1 289	1 539	2 028	1 268	1 546	1 808	2 500
	2 900	1 019	1 234	1 376	1 734	1 124	1 340	1 599	2 108	1 318	1 607	1 878	2 598
	3 000	1 058	1 280	1 427	1 800	1 166	1 390	1 659	2 187	1 367	1 667	1 949	2 695
	3 200	1 134	1 373	1 531	1 930	1 250	1 491	1 779	2 345	1 466	1 788	2 090	2 891
	3 400	1 211	1 466	1 634	2 060	1 335	1 591	1 899	2 504	1 565	1 909	2 231	3 086
	3 600	1 288	1 558	1 738	2 191	1 419	1 692	2 019	2 662	1 665	2 030	2 373	3 281
Water volume	[l/m]	0.3	0.3	0.9	0.9	0.3	0.3	0.9	0.9	0.6	0.6	1.2	1.2
Weight	[kg/m]	8.8	9.0	11.7	12.3	9.3	9.7	12.2	13.0	11.3	11.5	14.8	15.5

F1S trench convector

fan-assisted



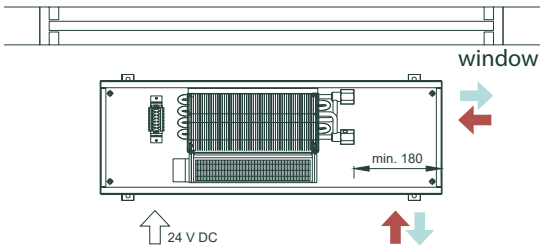
Height	75, 110 mm
Width	170, 200, 230, 250 mm
Length	from 700 to 2 800 mm
Heat output	from 192 to 9 775 W
Connection thread	internal G1/2" thread
Duct material	galvanised steel, stainless steel

Basic characteristics

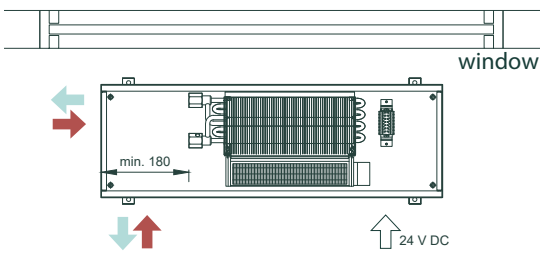
- high heat output and quiet fan
- can be used as the sole heat source
- 24 V EC fans with low power consumption
- continuous fan speed control 0-10 V
- low water volume for fast response and energy savings
- suitable for low-temperature heating systems (heat pumps)
- custom modifications available - dimensions, shape

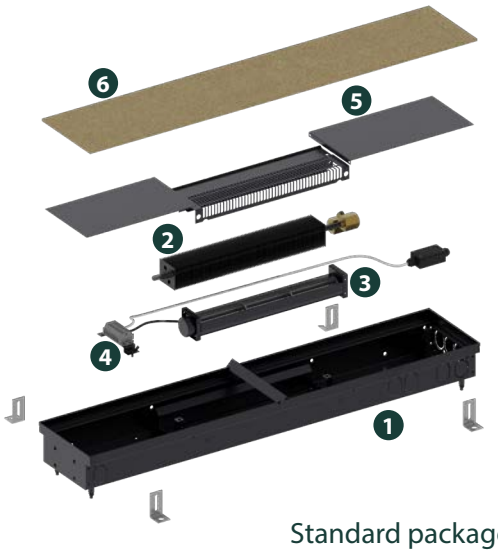
Definition of connection

Connection from the right (standard option)



Connection from the left (on request)





Standard package contents

1. lacquered galvanised steel duct in black RAL 9005
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. 24 V DC tangential fan including protective grille
4. connection terminals
5. connection cover plates
6. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- cable including wiring box for electrothermal actuator
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- 24 V DC power supply
- fan speed restriction kit
- legs for raised floors
- external thermal and acoustic insulation of the entire duct

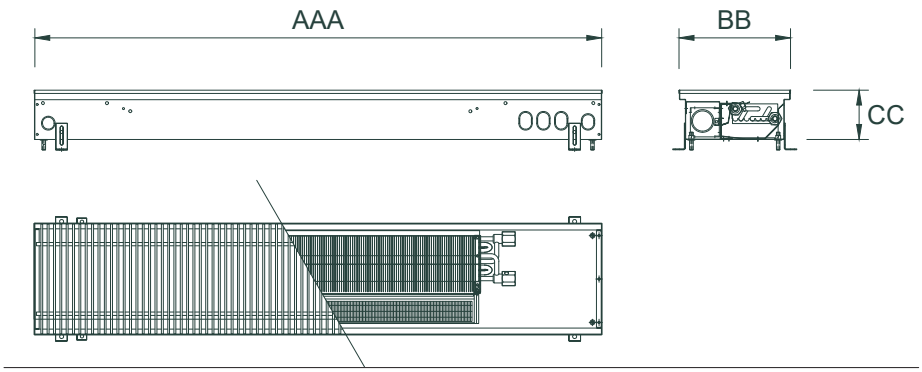
Ordering code

Type	Width BB	Length AAA	Height CC	Duct material
F1S = fan-assisted	17 = 170 mm	070 = 700 mm	08 = 75 mm	01 = galvanised steel
	20 = 200 mm	:		11 = stainless steel
	23 = 230 mm	:		
		:		
	23 = 230 mm	:	11 = 110 mm	
	25 = 250 mm	280 = 2 800 mm		

Example:

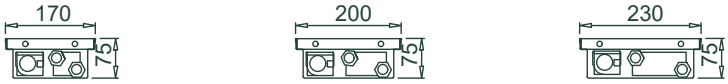
Trench convector, type F1S, width 230 mm, length 1 500 mm, height 75 mm, galvanised duct

F1S - 23 - 150 - 08 - 01



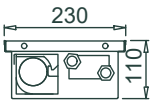
F1S trench convector

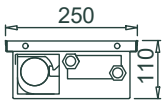
Thermal outputs



Width B	[mm]	170			200			230			**Sound pressure level L_{pA}**			**Number of fans**	**Power consumption**
Height C	[mm]	75													
Control voltage	[V]	3	6	9	3	6	9	3	6	9	3	6	9		
		Heat output [W] according to EN 16430 - 75/65/20 °C									[dB]				[W]
Length A [mm]	**700**	192	342	427	285	506	633	313	556	695	20	22	30	1	7.2
	1 000	397	706	883	588	1 046	1 307	645	1 147	1 434	20	23	31		8.4
	1 300	602	1 070	1 338	891	1 585	1 981	978	1 739	2 174	20	24	32		10.0
	1 500	714	1 269	1 586	1 057	1 878	2 348	1 160	2 062	2 578	20	25	32		11.3
	1 800	875	1 555	1 944	1 296	2 303	2 879	1 422	2 528	3 160	21	26	33	2	12.0
	1 950	987	1 754	2 193	1 461	2 598	3 247	1 604	2 851	3 564	21	26	33		13.7
	2 100	1 086	1 930	2 413	1 608	2 859	3 574	1 765	3 138	3 922	21	26	33		13.7
	2 300	1 197	2 129	2 661	1 773	3 153	3 941	1 947	3 461	4 326	22	27	34		15.0
	2 400	1 297	2 306	2 882	1 921	3 414	4 268	2 108	3 747	4 684	22	27	34		15.4
	2 600	1 409	2 504	3 130	2 086	3 708	4 635	2 290	4 070	5 088	23	28	35		16.6
	2 800	1 564	2 780	3 475	2 316	4 117	5 146	2 542	4 518	5 648	23	28	35		17.8

Water volume	[l/m]	0.1	0.2	0.4
Weight	[kg/m]	7.2	8.0	9.3





Width B	[mm]	230			250			**Sound pressure level L_{pA}**			**Number of fans**	**Power consumption**
Height C	[mm]	110										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
Heat output [W] according to EN 16430 - 75/65/20 °C								[dB]				[W]
Length A [mm]	**700**	397	706	882	541	962	1 202	21	26	32	1	8.4
	1 000	820	1 458	1 822	1 117	1 986	2 482	22	28	34		11.3
	1 300	1 242	2 209	2 761	1 693	3 010	3 763	23	30	36		12.0
	1 500	1 473	2 619	3 274	2 007	3 569	4 461	24	31	37		13.2
	1 800	1 806	3 211	4 014	2 461	4 375	5 469	25	33	39	2	17.8
	1 950	2 037	3 621	4 526	2 775	4 934	6 167	25	33	39		16.8
	2 100	2 242	3 986	4 982	3 055	5 430	6 788	25	33	39		18.5
	2 300	2 472	4 395	5 494	3 369	5 989	7 486	26	35	41		19.7
	2 400	2 678	4 760	5 950	3 648	6 486	8 107	26	35	41		19.2
	2 600	2 908	5 170	6 462	3 962	7 044	8 805	27	36	42		20.4
	2 800	3 228	5 739	7 174	4 399	7 820	9 775	27	36	42		21.6
Water volume	[l/m]		0.2			0.4						
Weight	[kg/m]		9.2			10.2						

F2C trench convector

heating or cooling
for 2-pipe systems

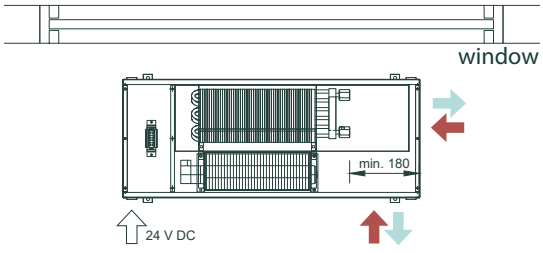
Height	110, 170 mm
Width	230, 340 mm
Length	from 850 to 2 700 mm
Heat output	from 501 to 10 705 W
Cooling output	from 128 to 2 733 W
Connection thread	internal thread G1/2"
Duct material	galvanised steel, stainless steel

Basic characteristics

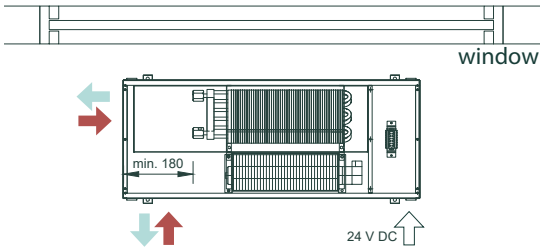
- the most powerful type of convector
- can be used as the sole heat source
- helps to cool the interior
- 24 V EC fans with low power consumption
- continuous fan speed control 0-10 V
- low water volume for fast response and energy savings
- suitable for low-temperature heating systems (heat pumps)
- custom modifications available - dimensions, shape

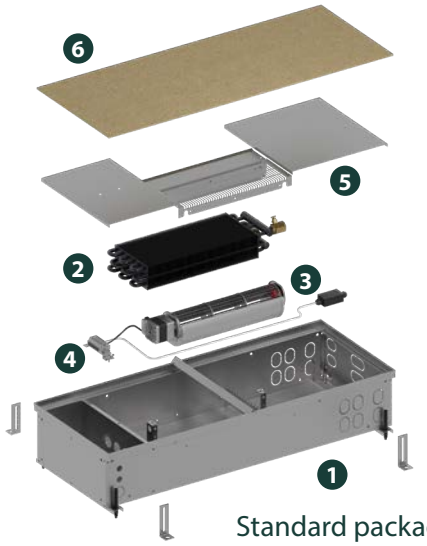
Definition of connection

Connection from the right (standard option)



Connection from the left (on request)





Standard package contents

1. stainless-steel duct, including aluminium condensation tray
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. 24 V DC tangential fan including protective grille
4. connection terminals
5. connection cover plates
6. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- cable including wiring box for electrothermal actuator
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- condensate drainage kit
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- 24 V DC power supply
- water-temperature sensor for switching heating/cooling
- legs for raised floors
- external thermal and acoustic insulation of the entire duct

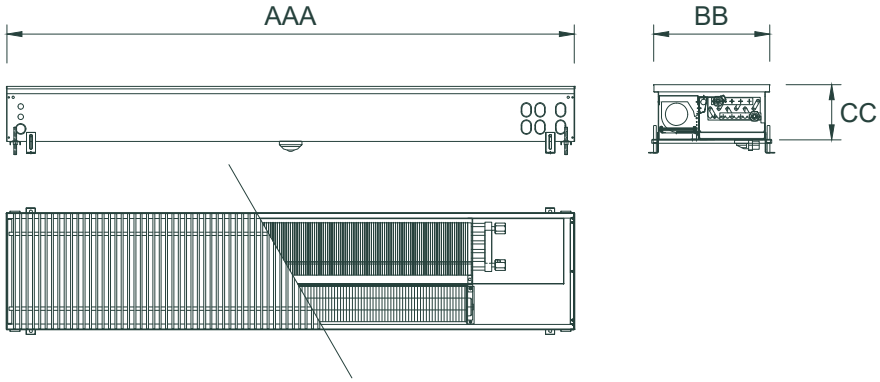
Ordering code

Type	Width BB	Length AAA	Height CC	Duct material
F2C = fan-assisted	23 = 230 mm	085 = 850 mm	11 = 110 mm	01 = galvanised steel
		:		11 = stainless steel
	34 = 340 mm	270 = 2 700 mm	17 = 170 mm	

Example:

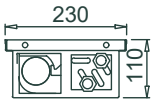
Floor convector, type F2C, width 230 mm, length 1 600 mm, height 110 mm, stainless-steel duct

F2C - 23 - 160 - 11 - 11

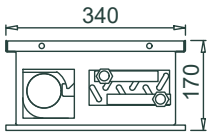


F2C trench convector

Heating output and cooling output



Width B	[mm]	230						Sound pressure level L_{pA}			Number of fans	Power consumption
Height C	[mm]	110										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
		Heating 75/65/20 °C			**Cooling 8/14/28 °C**			[dB]				[W]
Length A [mm]	**850**	501	890	1 113	128	227	284	21	26	32	1	9.0
	1 200	1 001	1 780	2 225	255	454	567	22	28	34		13.0
	1 600	1 487	2 644	3 305	379	674	843	23	30	36		19.0
	2 100	2 120	3 770	4 712	541	962	1 202	25	33	39	2	21.0
	2 400	2 592	4 607	5 759	661	1 175	1 469	26	35	41		27.0
	2 700	3 107	5 524	6 905	792	1 409	1 761	27	36	42		33.0
Water volume	[l/m]	0.3										
Weight	[kg/m]	13.1										



Width B	[mm]	340						Sound pressure level L_{pA}			Number of fans	Power consumption
Height C	[mm]	170										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
		Heating 75/65/20 °C			**Cooling 8/14/28 °C**			[dB]				[W]
Length A [mm]	**850**	776	1 380	1 725	198	352	440	21	27	33	1	19.0
	1 200	1 553	2 760	3 450	396	705	881	22	29	34		20.0
	1 600	2 306	4 099	5 124	589	1 046	1 308	23	31	37		22.0
	2 100	3 288	5 845	7 306	839	1 492	1 865	25	34	40	2	35.0
	2 400	4 018	7 143	8 929	1 026	1 823	2 279	26	35	42		37.0
	2 700	4 817	8 564	10 705	1 230	2 186	2 733	27	37	43		39.0
Water volume	[l/m]	0.7										
Weight	[kg/m]	20.8										

F2V trench convector

heating or cooling
for 2-pipe systems

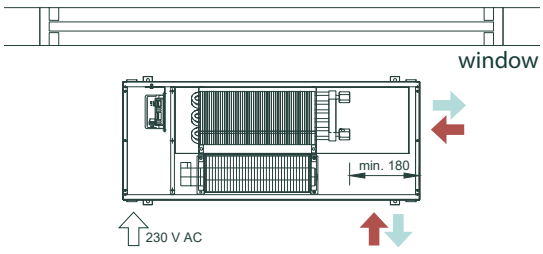
Height	170 mm
Width	340 mm
Length	from 850 to 2 700 mm
Heat output	from 942 to 12 998 W
Cooling output	from 293 to 4 045 W
Connection thread	internal thread G1/2"
Duct material	galvanised steel, stainless steel

Basic characteristics

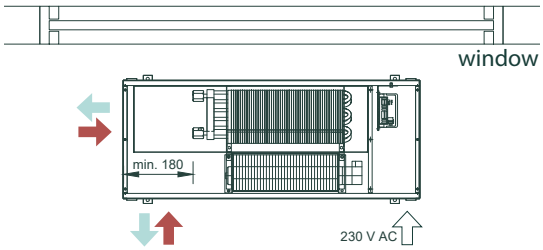
- the most powerful type of convector
- high heating output and cooling output
- can be used as the sole heat source
- safe 230 V voltage for high cooling output
- continuous fan speed control 0-10 V
- suitable for low-temperature heating systems (heat pumps)
- custom modifications available - dimensions, shape

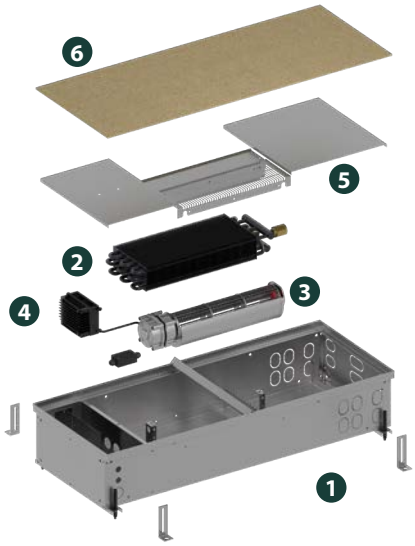
Definition of connection

Connection from the right (standard option)



Connection from the left (on request)





Standard package contents

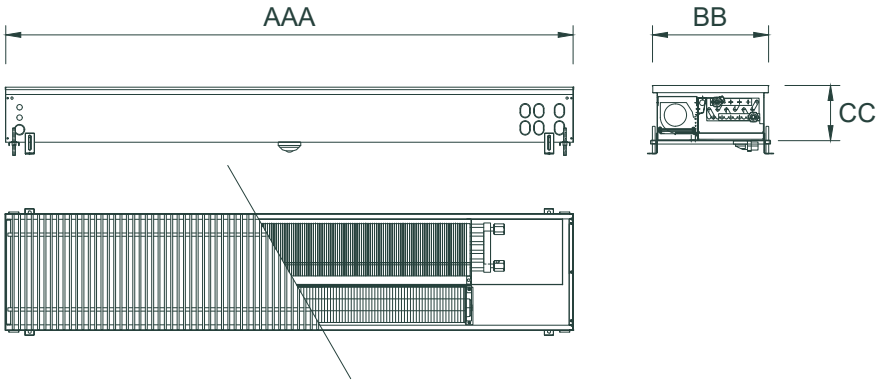
1. stainless-steel duct, including aluminium condensation tray
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. 230 V DC tangential fan including protective grille
4. connection e-box
5. connection cover plates
6. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- cable including wiring box for electrothermal actuator
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- condensate drainage kit
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- water-temperature sensor for switching heating/cooling
- legs for raised floors
- external thermal and acoustic insulation of the entire duct



Ordering code

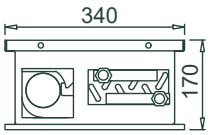
Type	Width BB	Length AAA	Height CC	Duct material
F2V = fan-assisted	34 = 340 mm	085 = 850 mm	17 = 170 mm	01 = galvanised steel
		:		11 = stainless steel
		270 = 2 700 mm		

Example:

Floor convector, type F2V, width 340 mm, length 2 700 mm, height 170 mm, stainless-steel duct

F2V - 34 - 270 - 17 - 11

Heating output and cooling output



Width B	[mm]	340						**Sound pressure level L_{pA}**			**Number of fans**	**Power consumption**
Height C	[mm]	170										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
		Heating 75/65/20 °C			**Cooling 8/14/28 °C**			[dB]				[W]
Length A [mm]	**850**	942	1 675	2 094	293	522	652	22	30	41	1	20.0
	1 200	1 885	3 351	4 189	586	1042	1 303	23	31	41		25.0
	1 600	2 800	4 978	6 222	871	1549	1 936	25	33	42		43.0
	2 100	3 992	7 096	8 870	1 242	2 208	2 760	25	35	45	2	45.0
	2 400	4 879	8 674	10 842	1 518	2 699	3 374	27	35	45		63.0
	2 700	5 849	10 398	12 998	1 820	3 236	4 045	28	36	46		81.0

Water volume	[l/m]	0.7
Weight	[kg/m]	21.1

F4C trench convector

heating and cooling at the same time for 4-pipe systems

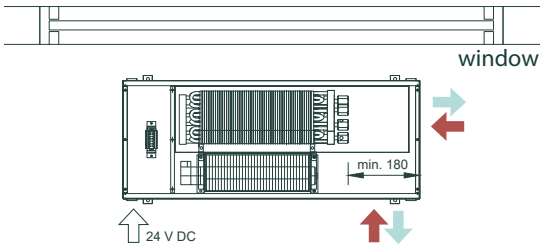
Height	170 mm
Width	340 mm
Length	from 850 to 2 700 mm
Heat output	from 524 to 7 233 W
Cooling output	from 198 to 2 733 W
Connection thread	internal thread G1/2"
Duct material	galvanised steel, stainless steel

Basic characteristics

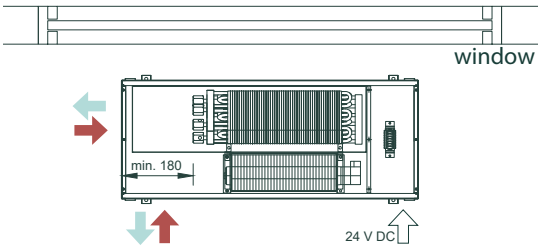
- the most comfortable type of convector
- can be used as the sole heat source
- helps to cool the interior
- 24 V EC fans with low power consumption
- continuous fan speed control 0-10 V
- low water volume for fast response and energy savings
- suitable for low-temperature heating systems (heat pumps)
- custom modifications available - dimensions, shape

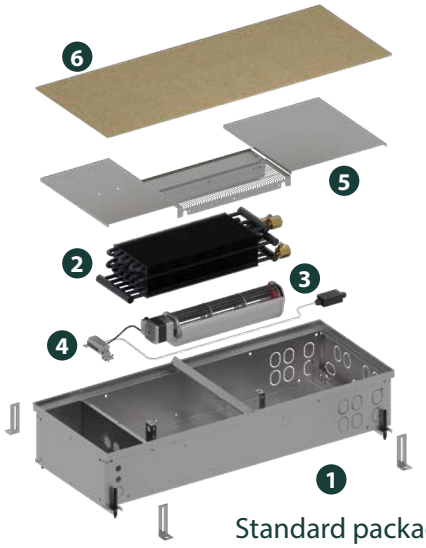
Definition of connection

Connection from the right (standard option)



Connection from the left (on request)





Standard package contents

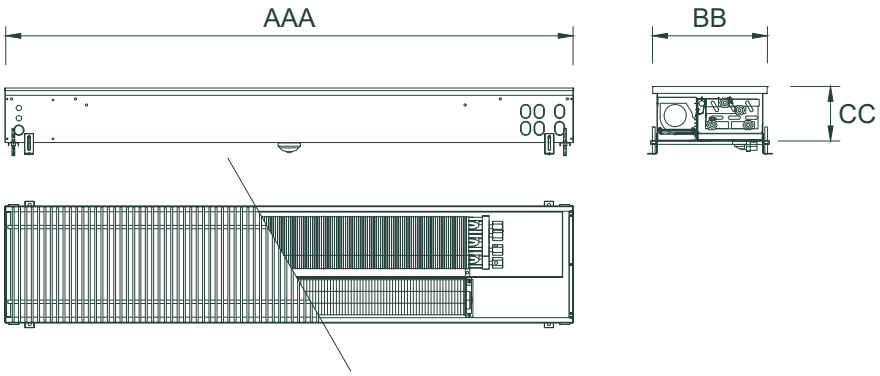
1. stainless-steel duct, including aluminium condensation tray
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. 24 V DC tangential fan including protective grille
4. connection terminals
5. connection cover plates
6. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- cable including wiring box for electrothermal actuator
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- condensate drainage kit
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- 24 V DC power supply
- water-temperature sensor for switching heating/cooling
- legs for raised floors
- external thermal and acoustic insulation of the entire duct



Ordering code

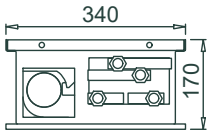
Type	Width BB	Length AAA	Height CC	Duct material
F4C = fan-assisted	34 = 340 mm	085 = 850 mm	17 = 170 mm	01 = galvanised steel
		:		11 = stainless steel
		270 = 2 700 mm		

Example:

Floor convector, type F4C, width 340 mm, length 2 700 mm, height 170 mm, stainless-steel duct

F4C - 34 - 270 - 17 - 11

Heating output and cooling output



Width B	[mm]	340						**Sound pressure level L_{pA}**			**Number of fans**	**Power consumption**
Height C	[mm]	170										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
		Heating 75/65/20 °C			**Cooling 8/14/28 °C**			[dB]				[W]
Length A [mm]	**850**	524	932	1 165	198	352	440	21	26	32	1	24.0
	1 200	1 049	1 865	2 331	396	705	881	22	28	34		25.0
	1 600	1 558	2 770	3 462	589	1 046	1 308	23	30	36		27.0
	2 100	2 221	3 949	4 936	839	1 492	1 865	25	33	39	2	40.0
	2 400	2 715	4 826	6 033	1 026	1 823	2 279	26	35	41		42.0
	2 700	3 255	5 786	7 233	1 230	2 186	2 733	27	36	42		44.0
Water volume	[l/m]	1.0										
Weight	[kg/m]	21.6										

F4V trench convector

heating and cooling at the same time for 4-pipe systems

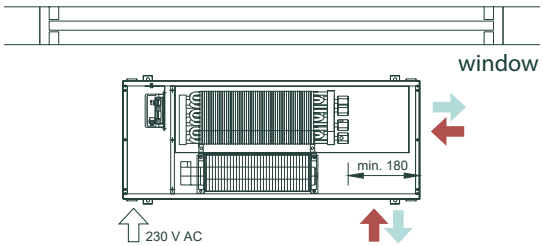
Height	170 mm
Width	340 mm
Length	from 850 to 2 700 mm
Heat output	from 637 to 8 782 W
Cooling output	from 293 to 4 045 W
Connection thread	internal thread G1/2"
Duct material	galvanised steel, stainless steel

Basic characteristics

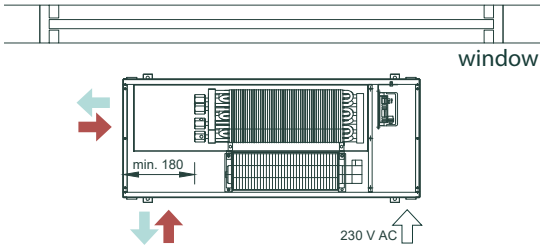
- the most comfortable type of convector
- high heating output and cooling output
- can be used as the sole heat source
- safe 230 V voltage for high cooling output
- continuous fan speed control 0-10 V
- suitable for low-temperature heating systems (heat pumps)
- custom modifications available - dimensions, shape

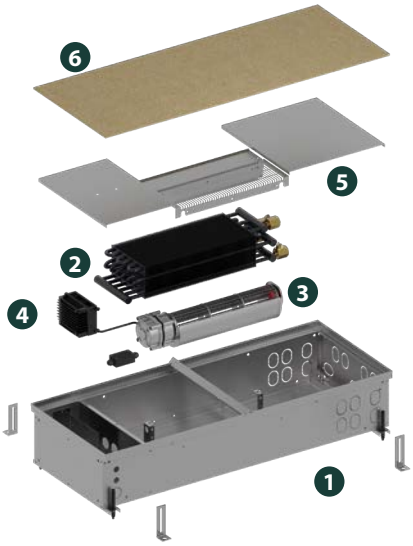
Definition of connection

Connection from the right (standard option)



Connection from the left (on request)





Standard package contents

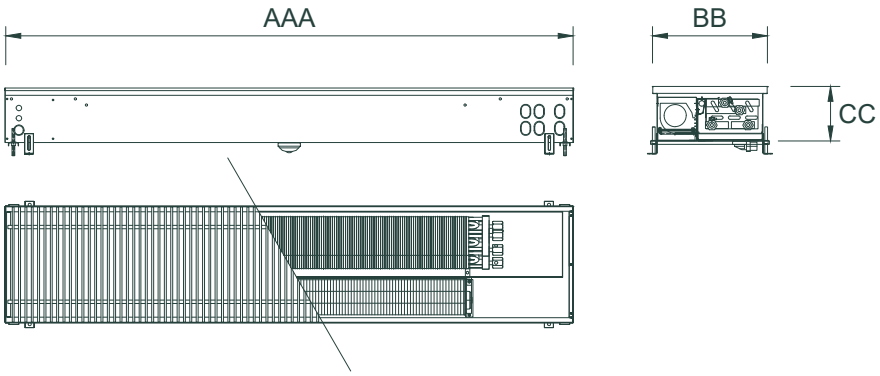
1. stainless-steel duct, including aluminium condensation tray
2. lacquered heat exchanger in black RAL 9005, with manual air vent
3. 230 V DC tangential fan including protective grille
4. connection e-box
5. connection cover plates
6. chipboard cover protecting the convector during transport and installation

Accessory package

- screws and fixing angle brackets
- cable including wiring box for electrothermal actuator
- rubber grommets for breakaway holes
- flexible stainless steel connection hose with seal
- struts for concreting
- condensate drainage kit
- installation manual

Optional accessories

- cover grille (with or without frame)
- thermostatic valve, shut-off valve
- electrothermal actuator and room thermostat
- water-temperature sensor for switching heating/cooling
- legs for raised floors
- external thermal and acoustic insulation of the entire duct



Ordering code

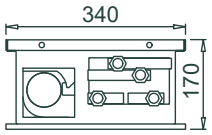
Type	Width BB	Length AAA	Height CC	Duct material
F4V = fan-assisted	34 = 340 mm	085 = 850 mm	17 = 170 mm	01 = galvanised steel
		:		11 = stainless steel
		270 = 2 700 mm		

Example:

Floor convector, type F4V, width 340 mm, length 2 700 mm, height 170 mm, stainless-steel duct

F4V - 34 - 270 - 17 - 11

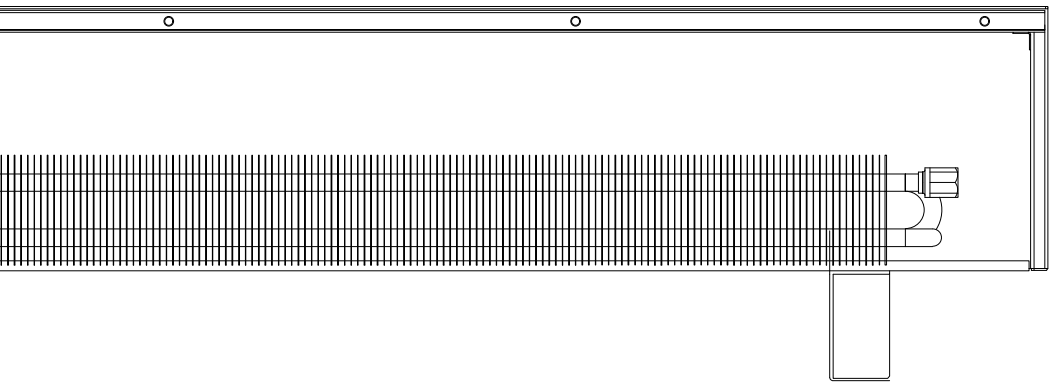
Heating output and cooling output

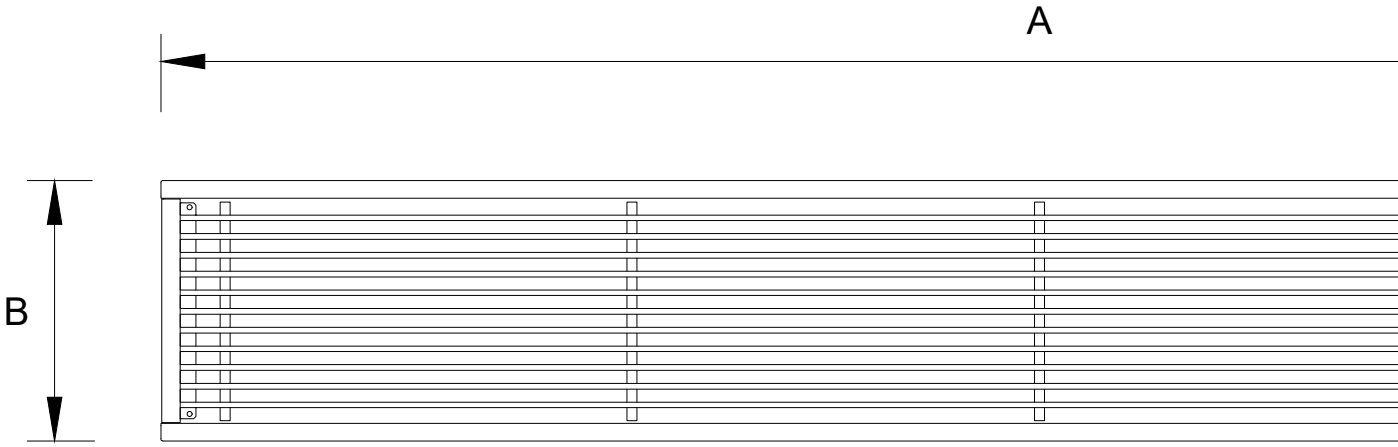


Width B	[mm]	340						**Sound pressure level L_{pA}**			**Number of fans**	**Power consumption**
Height C	[mm]	170										
Control voltage	[V]	3	6	9	3	6	9	3	6	9		
		Heating 75/65/20 °C			**Cooling 8/14/28 °C**			[dB]				[W]
Length A [mm]	**850**	637	1 132	1 415	293	522	652	22	30	41	1	25.0
	1 200	1 274	2 264	2 830	586	1 042	1 303	23	31	41		30.0
	1 600	1 892	3 363	4 204	871	1 549	1 936	25	33	42		48.0
	2 100	2 697	4 795	5 994	1 242	2 208	2 760	25	35	45	2	50.0
	2 400	3 296	5 860	7 325	1 518	2 699	3 374	27	35	45		68.0
	2 700	3 952	7 026	8 782	1 820	3 236	4 045	28	36	46		86.0
Water volume	[l/m]	1.0										
Weight	[kg/m]	22.2										

02 Free-standing convectors

BOKI free-standing convectors are the ideal solution for those who need high heating output. They are designed to be installed 100 mm and 75 mm above the floor, ensuring even greater air circulation and thus greater convector performance. Thanks to their low heights, these convectors can be used in rooms with large glazed surfaces as well as in rooms with flush windows. Their unlimited colour possibilities mean they can fit perfectly into any interior.




A
B

HIGH PERFORMANCE

Positioning the heat exchanger above the floor results in better airflow. Hence, this type of convector has a much higher output compared to trench convectors.

OPTIMAL USE OF SPACE

Free-standing convectors are ideally suited for places where windows are flush or where it is not possible to install a wall-mounted unit. There is a wide choice of heights and widths to fill any space.

EASY INSTALLATION

Free-standing convectors are very simple to install. They can be installed on an already finished or rough floor, or on a wall.

FAST RESPONSE TO TEMPERATURE CHANGES

Thanks to the small amount of water in the heat exchanger, free-standing convectors can respond quickly to new temperature changes. You can regulate the room temperature using a thermostatic head or a thermal actuator with a thermostat.

COLOUR MATCHING WITH THE INTERIOR

We can match our free-standing convectors to your interior. With powder-coating technology, we can achieve a perfect finish. You can choose from several RAL colours and structures.

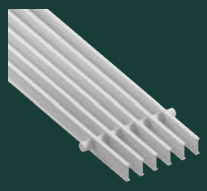
WZA connection cover

WZB leg cover

CONVECTOR CONNECTION COVER AND LEG COVER

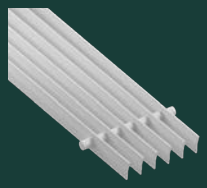
If you want to hide the connection pipes in the convector leg, use WZA. If you only want to fill the empty space in the leg (hide the floor fixing screws), use WZB. The standard convector delivery does not include a connection cover or leg cover.

FREE-STANDING CONVECTOR GRILLES

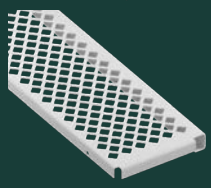


Standard design
Longitudinal aluminium grille

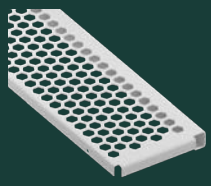
Standard design
Die-cut grille - rectangles



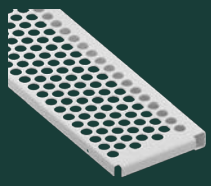
Atypical design
Longitudinal smooth aluminium grille



Atypical design
Die-cut grille - diamonds



Atypical design
Die-cut grille - hexagons



Atypical design
Die-cut grille - circles

Product overview

Aura Exclusive

- for finished floors
- leg height 75 mm
- removable duralumin grille
- heat output from 245 to 5 135 W

OnFloor Classic WKF

- for finished floors
- leg height 100 mm
- non-removable duralumin grille
- heat output from 245 to 5 779 W

OnFloor Classic WKH

- for rough floors
- height adjustable legs 205–340 mm
- non-removable duralumin grille
- heat output from 245 to 5 779 W

OnFloor Classic WKW

- for walls
- min. installation height 100 mm above the floor
- non-removable duralumin grille
- heat output from 245 to 5 779 W

OnFloor Basic WBF

- for finished floors
- leg height 100 mm
- non-removable steel die-cut grille
- heat output from 245 to 5 779 W

OnFloor Basic WBH

- for rough floors
- height adjustable legs 205–340 mm
- non-removable steel die-cut grille
- heat output from 245 to 5 779 W

OnFloor Basic WBW

- for walls
- min. installation height 100 mm above the floor
- non-removable steel die-cut grille
- heat output from 245 to 5 779 W

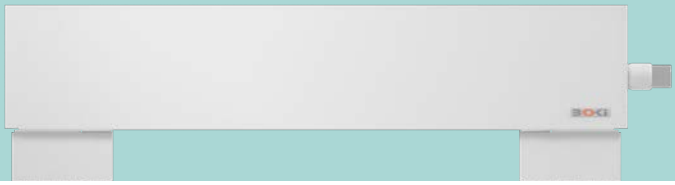
OnFloor WDF

- for finished floors
- leg height 100 mm
- including holders for a bench board
- non-removable steel die-cut grille
- heat output from 739 to 4 272 W


HOTEL
...absolutum

Free-standing convector

Aura Exclusive



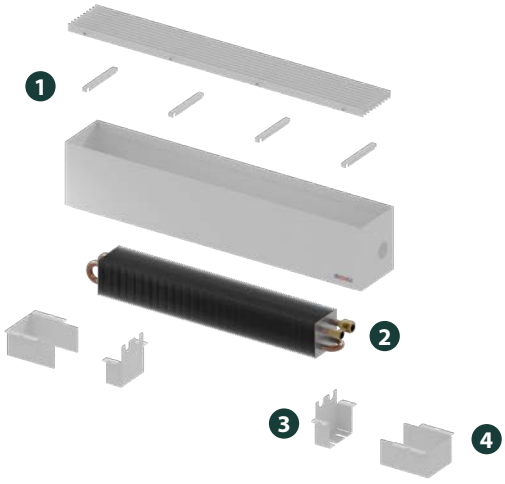
Height	100, 150, 240, 280 mm
Width	90, 140, 190, 240 mm
Length	from 600 to 2 600 mm
Heat output	from 245 to 5 135 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- the convector casing is made of two parts welded together to form a perfectly smooth surface
- a great advantage of this convector is its removable grille, which makes maintenance a lot easier
- simple and noiseless
- low water volume for fast response and energy savings
- heating on the principle of natural convection
- a heat exchanger inside the casing allows warm air to flow up through the grille without unwanted heating of the casing
- low construction height allows installation in areas with flush windows
- ideal solution for office buildings and apartment buildings

Standard colors at no extra charge

RAL 9016 white | RAL 9005 black | RAL 9007 grey aluminium



Standard package contents

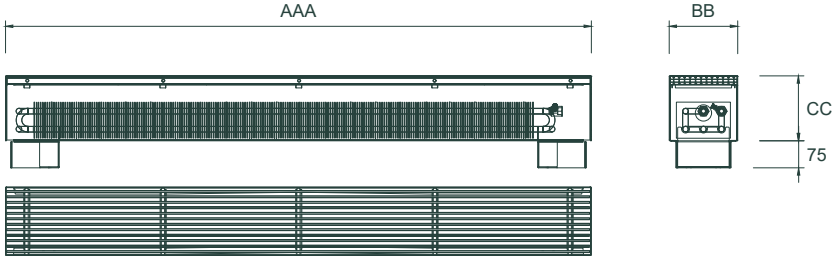
1. convector casing with supports and removable longitudinal duralumin grille
2. unlacquered heat exchanger with automatic air vent
3. bracket for mounting on finished floors
4. connection cover

Accessory package

- floor fixing screws, washers, dowels
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- extension piece for 90 mm wide bodies
- Allen key
- installation manual

Optional accessories

- axial thermostatic valve, shut-off valve
- thermostatic head
- thermostatic actuator with separate control
- electrothermal actuator and room thermostat



Ordering code

Type	Height CC	Length AAA	Width BB	Colour
EXL - Aura Exclusive for finished floors	10 = 100 mm	060 = 600 mm	09 = 90 mm	04 = RAL 9016
	15 = 150 mm	:	14 = 140 mm	06 = RAL 9005
	24 = 240 mm	:	19 = 190 mm	09 = RAL 9007
	28 = 280 mm	260 = 2 600 mm	24 = 240 mm	

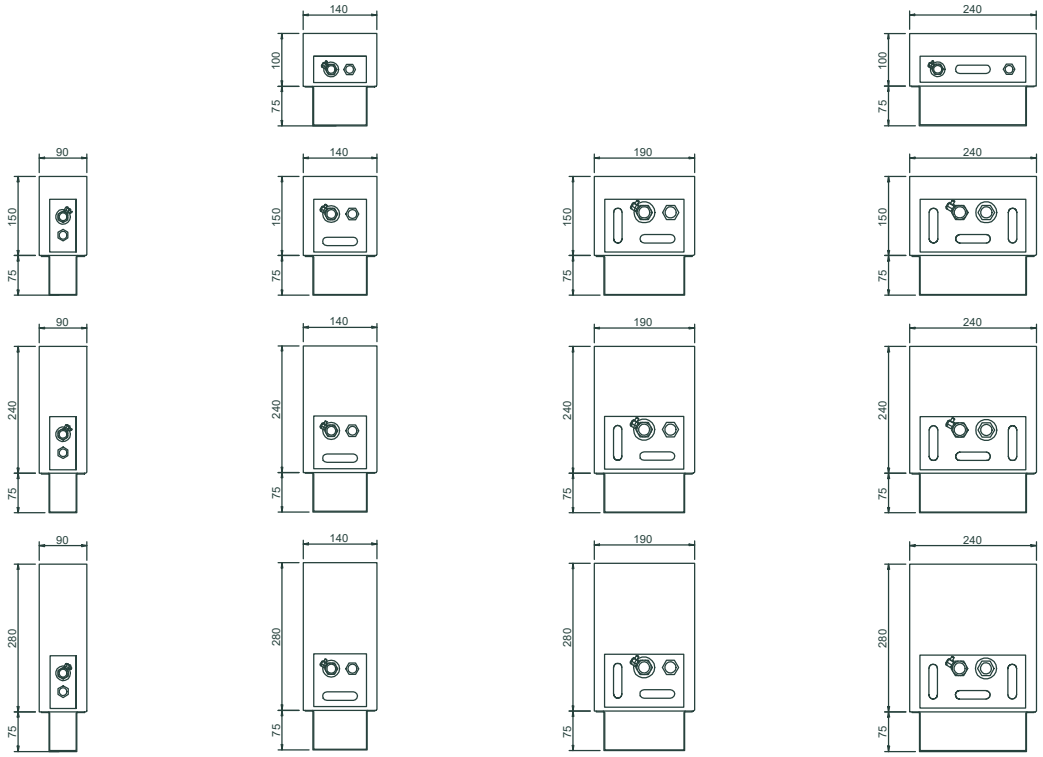
Example:

Free-standing convector, type EXL, height 240 mm, length 1 800 mm, width 140 mm, colour RAL 9016

EXL - 24 - 180 - 14 - 04

Free-standing convector

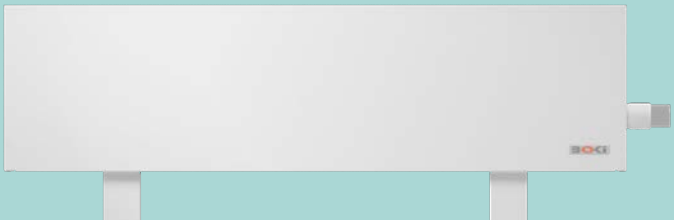
Aura Exclusive



Height C	[mm]	100		150				240				280			
Width B	[mm]	140	240	90	140	190	240	90	140	190	240	90	140	190	240
Heat output [W] according to EN 16430 - 75/65/20 °C															
Length A	[mm]														
600		245	549	197	379	554	722	268	515	753	982	290	557	814	1 061
700		286	640	229	442	647	842	311	601	880	1 145	337	650	951	1 238
800		326	732	262	506	739	963	356	688	1 005	1 310	385	744	1 086	1 416
900		368	824	295	569	832	1 083	401	774	1 132	1 473	434	836	1 223	1 592
1 000		408	915	328	632	924	1 203	446	860	1 257	1 636	482	929	1 358	1 768
1 100		449	1 006	360	695	1 016	1 324	490	945	1 382	1 801	529	1 022	1 494	1 946
1 200		490	1 098	393	758	1 108	1 444	534	1 031	1 508	1 964	578	1 115	1 630	2 123
1 300		531	1 190	431	834	1 220	1 591	586	1 134	1 660	2 163	634	1 226	1 795	2 338
1 400		571	1 281	469	909	1 332	1 737	638	1 237	1 812	2 362	689	1 337	1 959	2 553
1 500		612	1 373	507	985	1 444	1 884	689	1 340	1 964	2 562	745	1 448	2 123	2 769
1 600		653	1 464	544	1 060	1 556	2 030	740	1 443	2 116	2 761	800	1 559	2 287	2 984
1 800		734	1 646	619	1 211	1 779	2 322	842	1 648	2 420	3 158	910	1 782	2 616	3 413
2 000		816	1 830	695	1 363	2 003	2 615	945	1 854	2 724	3 556	1 022	2 004	2 945	3 844
2 200		898	2 013	770	1 514	2 227	2 908	1 047	2 059	3 029	3 955	1 132	2 226	3 274	4 275
2 400		979	2 196	847	1 666	2 451	3 200	1 152	2 266	3 333	4 352	1 245	2 449	3 603	4 704
2 600		1 061	2 379	925	1 818	2 675	3 493	1 258	2 473	3 638	4 750	1 360	2 673	3 932	5 135
Weight	[kg/m]	8.4	10.9	9.0	10.9	12.6	14.4	12.3	14.0	15.8	17.7	13.5	15.2	17.1	19.1
Water volume	[l/m]	0.4	0.8	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

Free-standing convector

OnFloor Classic and Basic



Height	90, 140, 240, 280 mm
Width	96, 146, 186, 236 mm
Length	from 600 to 2 900 mm
Heat output	from 245 to 5 779 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

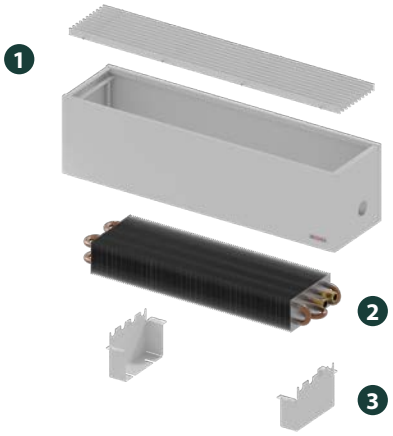
- simple, economical and noiseless
- low water volume for fast response and energy savings
- heating on the principle of natural convection
- a heat exchanger inside the casing allows warm air to flow up through the grille without unwanted heating of the casing
- low construction height allows installation in areas with flush windows
- ideal solution for office buildings and apartment buildings

Grilles

The basic difference between free-standing convector Classic and free-standing convector Basic is the convector grille

OnFloor Classic
Longitudinal duralumin grille

OnFloor Basic
Steel die-cut grille



Standard package contents

1. convector casing with longitudinal duralumin (OnFloor Classic) or steel die-cut (OnFloor Basic) grille
2. unlacquered heat exchanger with automatic air vent
3. brackets for mounting on finished or rough floors, or on walls

Accessory package

- floor fixing screws, washers, dowels
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- extension piece for 96 mm wide bodies
- Allen key
- installation manual

Standard colors at no extra charge

- RAL 9016 white
- RAL 9005 black
- RAL 9007 grey aluminium

Optional accessories

- connection cover or leg cover
- axial thermostatic valve, shut-off valve
- thermostatic head
- thermostatic actuator with separate control
- electrothermal actuator and room thermostat

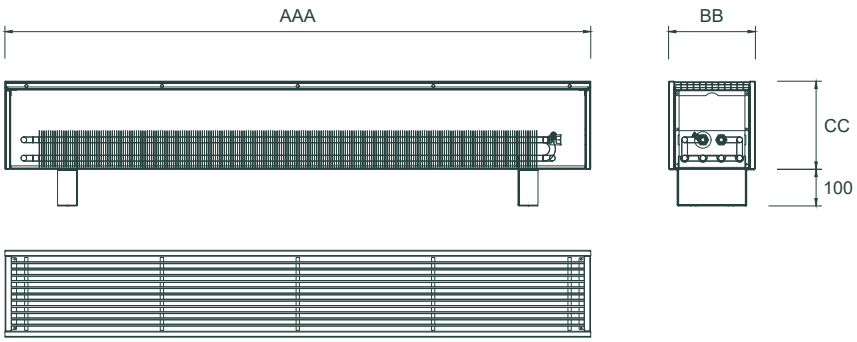
Ordering code

Type	Height CC	Length AAA	Width BB	Colour
WKF - OnFloor Classic for finished floors	09 = 90 mm	060 = 600 mm	09 = 96 mm	04 = RAL 9016
WKH - OnFloor Classic for rough floors	14 = 140 mm	:	14 = 146 mm	06 = RAL 9005
WKW - OnFloor Classic for walls	24 = 240 mm	:	19 = 186 mm	09 = RAL 9007
	28 = 280 mm	290 = 2 900 mm	24 = 236 mm	
WBF - OnFloor Basic for finished floors	09 = 90 mm	060 = 600 mm	14 = 146 mm	04 = RAL 9016
WBH - OnFloor Basic for rough floors	14 = 140 mm	:	19 = 186 mm	06 = RAL 9005
WBW - OnFloor Basic for walls	24 = 240 mm	:	24 = 236 mm	09 = RAL 9007
	28 = 280 mm	290 = 2 900 mm		

Example:

Free-standing convector, type WKF, bracket for finished floors, height 240 mm, length 1 800 mm, width 146 mm, colour RAL 9016

WKF - 24 - 180 - 14 - 04



Free-standing convector

Heat output

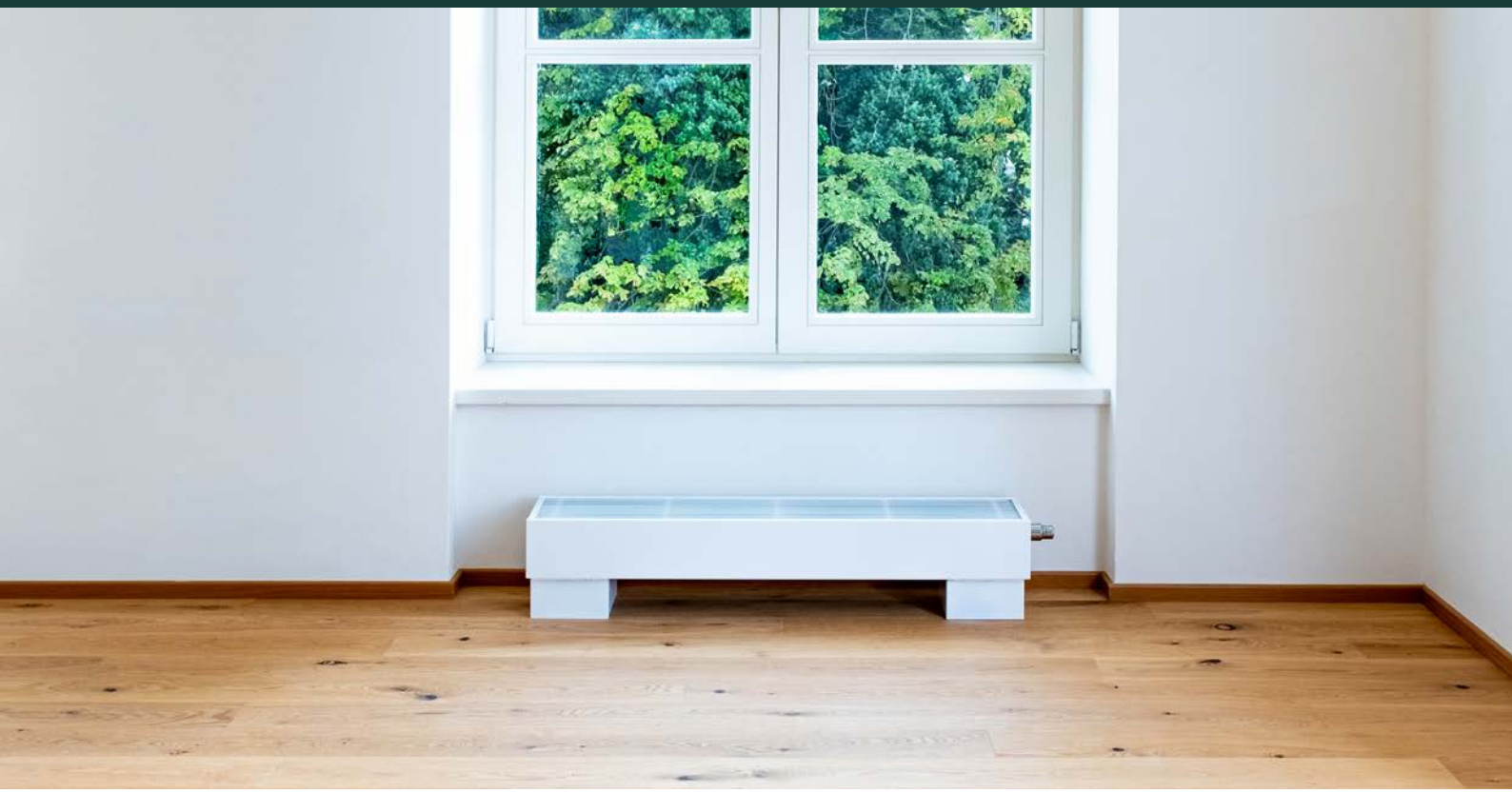
Height C	[mm]	90		140				240				280			
Width B	[mm]	146	236	96	146	186	236	96	146	186	236	96	146	186	236
		Heat output [W] according to EN 16430 - 75/65/20 °C													
Length A [mm]	**600**	245	549	197	379	554	722	268	515	753	982	290	557	814	1 061
	700	286	640	229	442	647	842	311	601	880	1 145	337	650	951	1 238
	800	326	732	262	506	739	963	356	688	1 005	1 310	385	744	1 086	1 416
	900	368	824	295	569	832	1 083	401	774	1 132	1 473	434	836	1 223	1 592
	1 000	408	915	328	632	924	1 203	446	860	1 257	1 636	482	929	1 358	1 768
	1 100	449	1 006	360	695	1 016	1 324	490	945	1 382	1 801	529	1 022	1 494	1 946
	1 200	490	1 098	393	758	1 108	1 444	534	1 031	1 508	1 964	578	1 115	1 630	2 123
	1 300	531	1 190	431	834	1 220	1 591	586	1 134	1 660	2 163	634	1 226	1 795	2 338
	1 400	571	1 281	469	909	1 332	1 737	638	1 237	1 812	2 362	689	1 337	1 959	2 553
	1 500	612	1 373	507	985	1 444	1 884	689	1 340	1 964	2 562	745	1 448	2 123	2 769
	1 600	653	1 464	544	1 060	1 556	2 030	740	1 443	2 116	2 761	800	1 559	2 287	2 984
	1 800	734	1 646	619	1 211	1 779	2 322	842	1 648	2 420	3 158	910	1 782	2 616	3 413
	2 000	816	1 830	695	1 363	2 003	2 615	945	1 854	2 724	3 556	1 022	2 004	2 945	3 844
	2 200	898	2 013	770	1 514	2 227	2 908	1 047	2 059	3 029	3 955	1 132	2 226	3 274	4 275
	2 400	979	2 196	847	1 666	2 451	3 200	1 152	2 266	3 333	4 352	1 245	2 449	3 603	4 704
	2 600	1 061	2 379	925	1 818	2 675	3 493	1 258	2 473	3 638	4 750	1 360	2 673	3 932	5 135
	2 800	1 176	2 604	1 008	1 988	2 912	3 780	1 372	2 688	3 953	5 162	1 477	2 905	4 272	5 580
	2 900	1 233	2 764	1 041	2 047	3 010	3 931	1 416	2 784	4 094	5 346	1 530	3 009	4 425	5 779

OnFloor Classic - weight and water volume

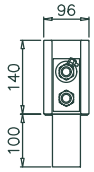
Height C	[mm]	90		140				240				280			
Width B	[mm]	146	236	96	146	186	236	96	146	186	236	96	146	186	236
WKF, WKW weight	[kg/m]	8.4	10.9	9.0	10.9	12.6	14.4	12.3	14.0	15.8	17.7	13.5	15.2	17.1	19.1
WKH weight	[kg/m]	11.4	13.7	12.2	13.9	15.5	17.2	15.4	17.0	18.7	20.5	16.6	18.2	20.0	21.8
Water volume	[l/m]	0.4	0.8	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

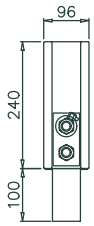
OnFloor Basic - weight and water volume

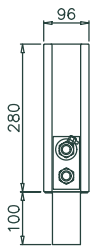
Height C	[mm]	90		140			240			280		
Width B	[mm]	146	236	146	186	236	146	186	236	146	186	236
WBF, WBW weight	[kg/m]	8.3	10.4	10.9	12.4	14.0	14.0	15.6	17.3	15.2	16.8	18.6
WBH weight	[kg/m]	11.3	13.1	13.9	15.3	16.8	17.0	18.4	20.1	18.2	19.7	21.4
Water volume	[l/m]	0.4	0.8	0.7	1.1	1.5	0.7	1.1	1.5	0.7	1.1	1.5



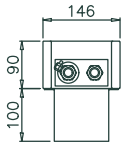
OnFloor Classic

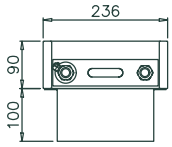


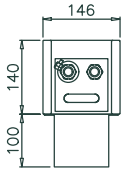


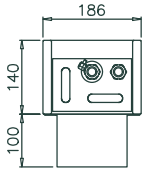


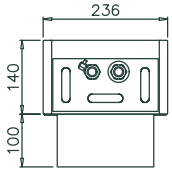
OnFloor Classic, OnFloor Basic

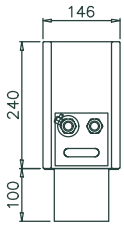


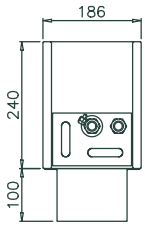


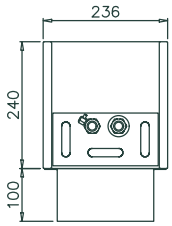


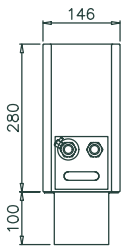


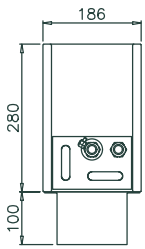


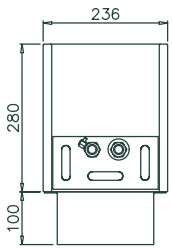






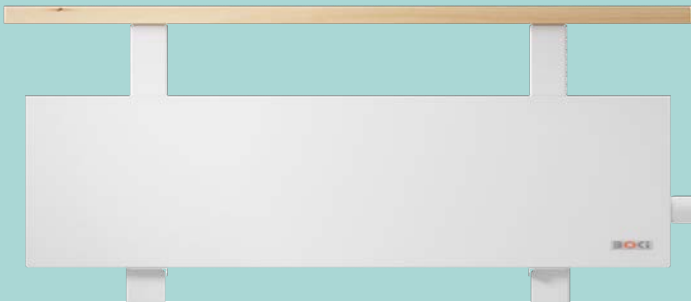






Free-standing convector

with holders for a bench board



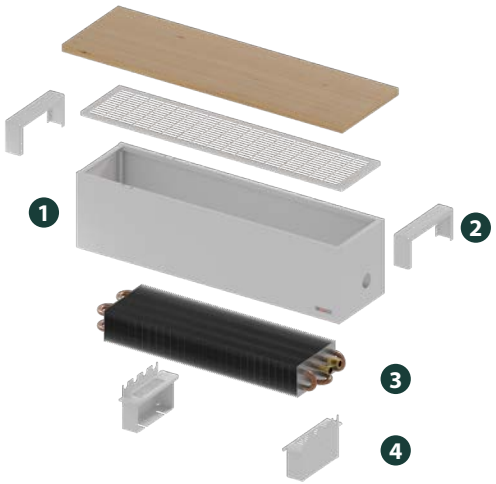
Height	140, 240, 280 mm
Width	186, 236 mm
Length	from 800 to 2 200 mm
Heat output	from 739 to 4 275 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- simple, economical and noiseless
- low water volume for fast response and energy savings
- a heat exchanger inside the casing allows warm air to flow up through the grille without unwanted heating of the casing
- this type of convector is designed for installation on finished floors only
- the ideal solution for corridors, cloakrooms, public centres and wherever the unification of functionality and heating is appreciated

Optional accessories

- WZD bench board
- connection cover or leg cover
- axial thermostatic valve, shut-off valve
- thermostatic head
- thermostatic actuator with separate control
- electrothermal actuator and room thermostat



Standard package contents

1. convector casing with steel die-cut grille
2. bench supports
3. unlacquered heat exchanger with automatic air vent
4. bracket for mounting on finished floors

Accessory package

- floor fixing screws, washers, dowels
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- Allen key
- installation manual

Standard colors at no extra charge

RAL 9016 white | RAL 9005 black | RAL 9007 grey aluminium

Free-standing convector ordering code

Type	Height CC	Length AAA	Width BB	Colour
WDF - convector with bench holders and brackets for clean floors	14 = 140 mm	080 = 800 mm	19 = 186 mm	04 = RAL 9016
	24 = 240 mm	:	24 = 236 mm	06 = RAL 9005
	28 = 280 mm	220 = 2 200 mm		09 = RAL 9007

Example:

Free-standing convector, type WKF, bracket for finished floors, height 240 mm, length 1 800 mm, width 186 mm, colour RAL 9016

WDF - 24 - 180 - 19 - 04

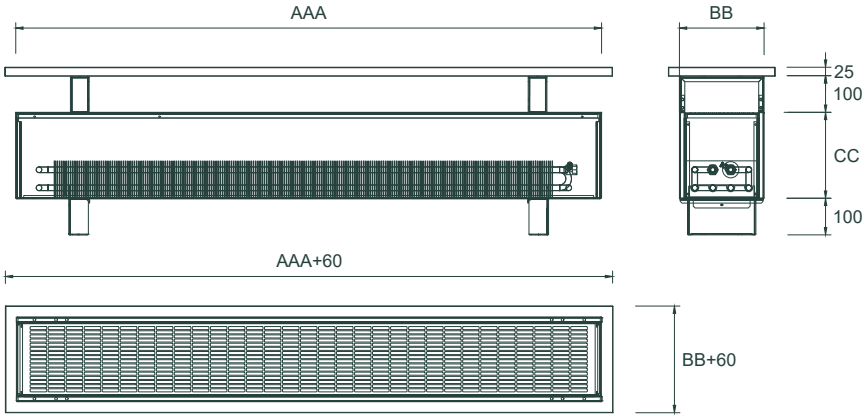
Bench board ordering code

Type	Length AAA	Width BB	Material
WZD - bench board	080 = 800 mm	19 = 186 mm	01- beech matt lacquer
	:	24 = 236 mm	
	220 = 2 200 mm		

Example:

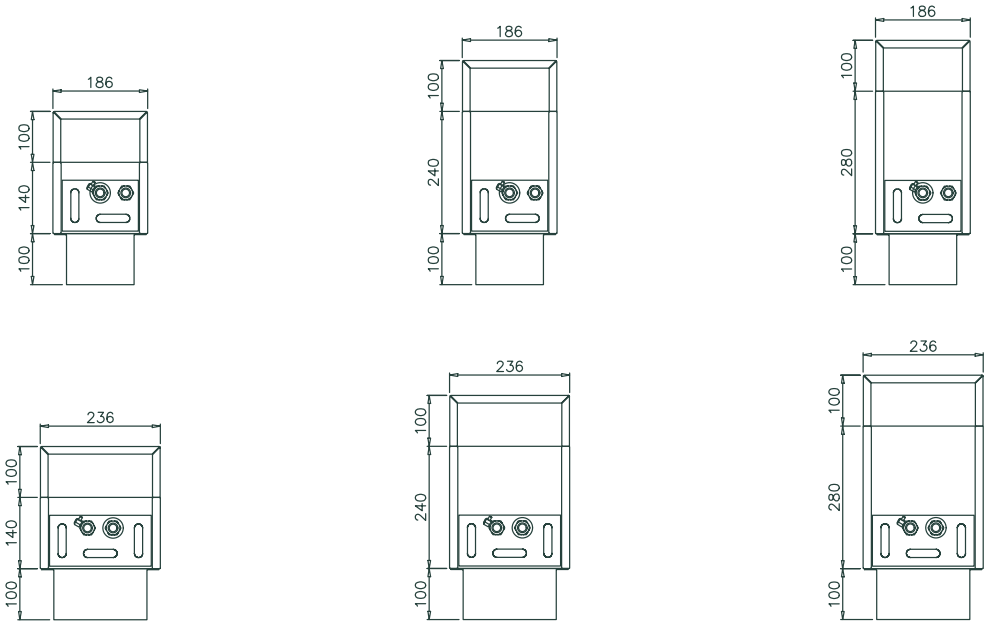
WZD bench board, length (convector) 1 800 mm, width (convector) 186 mm, material - beech matt lacquer

WZD - 180 - 19 - 01



Free-standing convector

Heat output



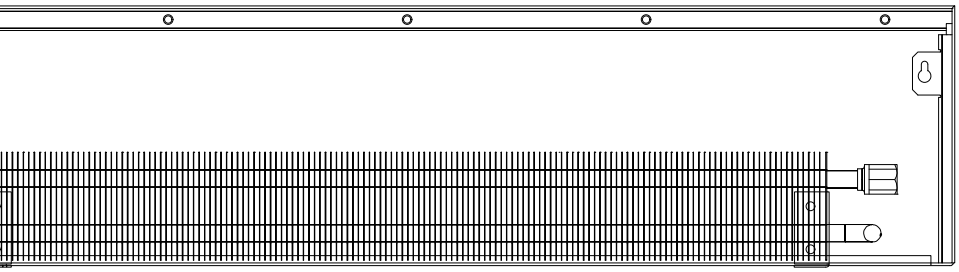
Height C	[mm]	140		240		280	
Width B	[mm]	186	236	186	236	186	236
		Heat output [W] according to EN 16430 - 75/65/20 °C					
Length A [mm]	**800**	739	963	1 005	1 310	1 086	1 416
	1 000	924	1 203	1 257	1 636	1 358	1 768
	1 200	1 108	1 444	1 508	1 964	1 630	2 123
	1 400	1 332	1 737	1 812	2 362	1 959	2 553
	1 600	1 556	2 030	2 116	2 761	2 287	2 984
	2 000	2 003	2 615	2 724	3 556	2 945	3 844
	2 200	2 227	2 908	3 029	3 955	3 274	4 275

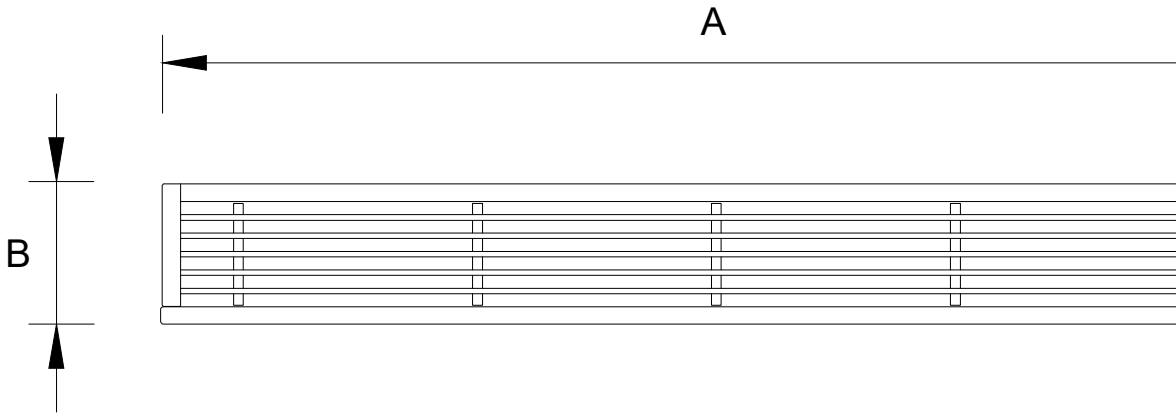
Weight and water volume

Height C	[mm]	140		240		280	
Width B	[mm]	186	236	186	236	186	236
WDF weight	[kg/m]	13.3	15.2	16.5	18.5	17.8	19.8
WZD weight	[kg/m]	5.3	6.4	5.3	6.4	5.3	6.4
Water volume	[l/m]	1.1	1.5	1.1	1.5	1.1	1.5

03 Wall-mounted convectors

Wall-mounted convectors are typically used in houses, flats, offices, commercial spaces, schools, healthcare facilities and some industrial buildings for efficient heating while saving space and offering precise temperature control.




A
B

HIGH PERFORMANCE

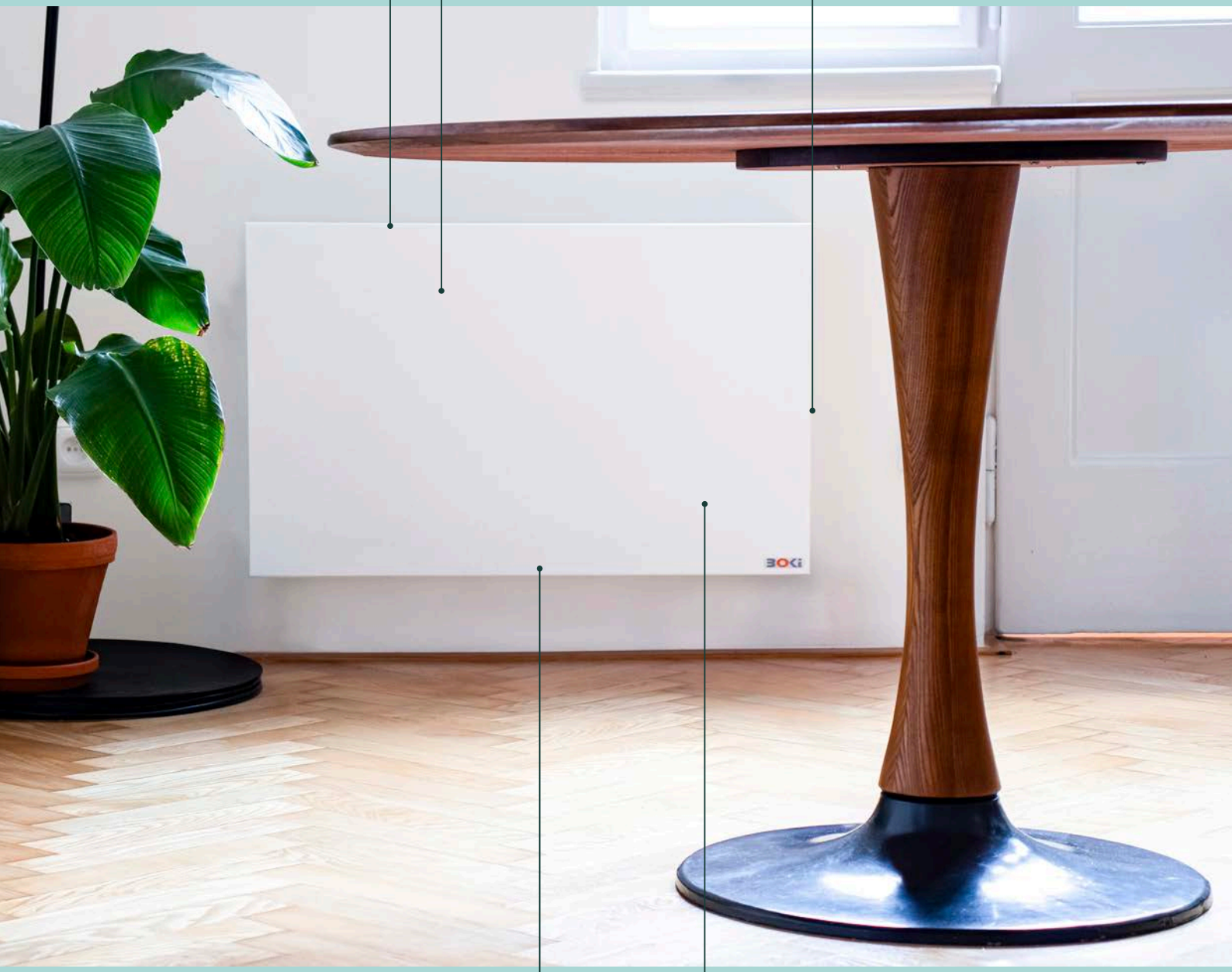
Positioning the heat exchanger above the floor results in better airflow. Hence, this type of convector has a much higher output compared to trench convectors.

AESTHETIC APPEARANCE

Unlike conventional plate radiators, the entire convector is fixed to the wall. This means there is no gap between the wall and the convector itself, preventing dust from settling on its rear wall. At the same time, the convector visually blends in with its surroundings.

EASY INSTALLATION

Wall-mounted convectors are very easy to install. The convector heat exchanger is attached using holders before the casing is suspended.



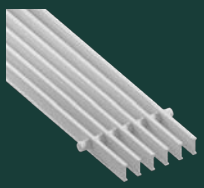
FAST RESPONSE TO TEMPERATURE CHANGES

Thanks to the small amount of water in the heat exchanger, wall-mounted convectors can respond quickly to new temperature changes. You can regulate room temperature using a thermostatic head or a thermal actuator with a thermostat.

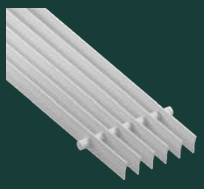
COLOUR MATCHING WITH THE INTERIOR

We can match our wall-mounted convectors to your interior. With powder-coating technology, we can achieve a perfect finish. You can choose from several RAL colours and structures.

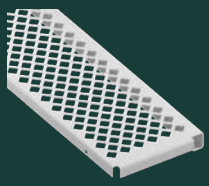
WALL-MOUNTED CONVECTOR GRILLES



Standard design
Longitudinal aluminium grille

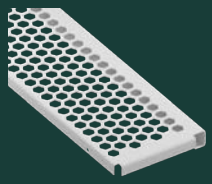


Atypical design
Longitudinal smooth aluminium grille

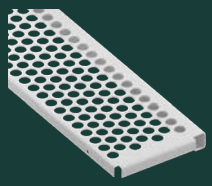


Atypical design
Die-cut grille - diamonds

Standard design
Die-cut grille - rectangles



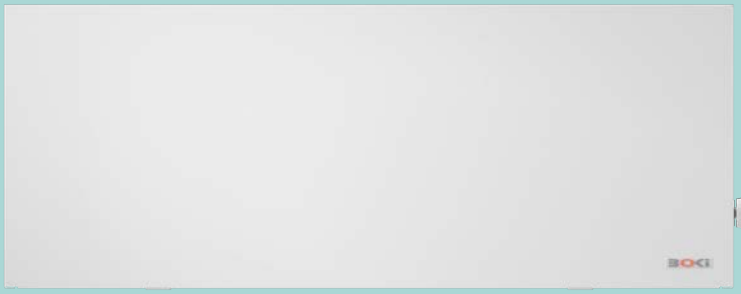
Atypical design
Die-cut grille - hexagons



Atypical design
Die-cut grille - circles

Wall-mounted convector

Flat Classic and Basic



Height	140, 240, 280, 350, 500, 650 mm
Width	80, 130, 180, 230 mm
Length	from 400 to 2 000 mm
Heat output	from 131 to 5 807 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- simple, economical and noiseless
- low water volume for fast response and energy savings
- heating on the principle of natural convection
- a heat exchanger inside the casing allows warm air to flow up through the grille without unwanted heating of the casing
- a large choice of heights and widths allows the easy replacement of classic plate radiators
- the basic colour design allows the convector to blend in seamlessly with its surroundings, while the non-standard colour options can make it stand out
- suitable for homes and commercial spaces

Grilles

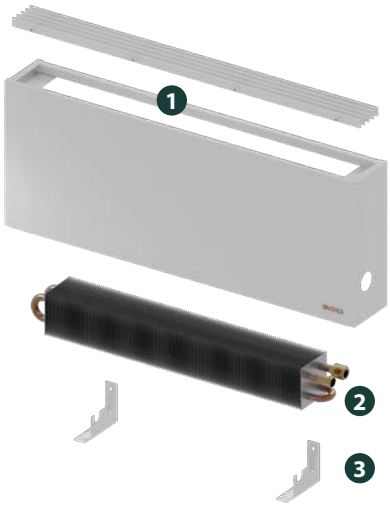
The basic difference between Flat Classic and Flat Basic is the grille used in the convector

Flat Classic

Longitudinal duralumin grille

Flat Basic

Steel die-cut grille



Standard package contents

1. convector casing with longitudinal duralumin (Flat Classic) or steel die-cut (Flat Basic) grille
2. unlacquered heat exchanger with automatic air vent
3. wall mounting bracket

Accessory package

- wall fixing screws, washers, dowels
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- extension piece for 80 mm wide bodies
- Allen key
- installation manual

Standard colors at no extra charge

- RAL 9016 white
- RAL 9005 black
- RAL 9007 grey aluminium

Optional accessories

- axial thermostatic valve, shut-off valve
- thermostatic head
- thermostatic actuator with separate control
- electrothermal actuator and room thermostat

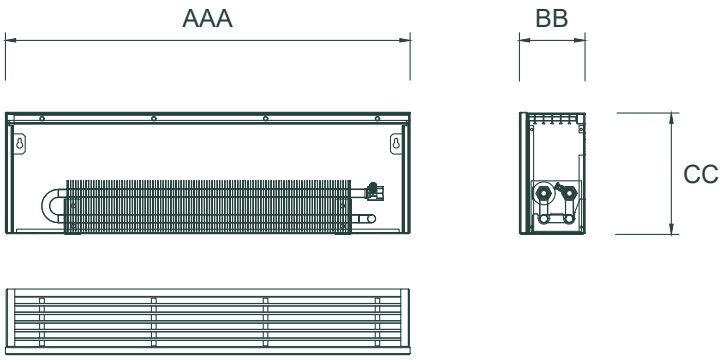
Ordering code

Type	Height CC	Length AAA	Width BB	Colour
WKE - Flat Classic for walls	14 = 140 mm	040 = 400 mm	08 = 80 mm	04 = RAL 9016
WBE - Flat Basic for walls	24 = 240 mm	:	13 = 130 mm	06 = RAL 9005
	28 = 280 mm	:	18 = 180 mm	09 = RAL 9007
	35 = 350 mm	:	23 = 230 mm	
	50 = 500 mm	:		
	65 = 650 mm	200 = 2 000 mm		

Example:

Wall-mounted convector, type WKE, height 240 mm, length 1 800 mm, width 130 mm, colour RAL 9016

WKE - 24 - 180 - 13 - 04



Flat wall-mounted convector

Heat output

Height C	[mm]	140				240				280			
Width B	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
		Heat output [W] according to EN 16430 - 75/65/20 °C											
Length A [mm]	400	131	253	369	481	179	344	503	655	193	372	543	708
	500	164	316	462	602	223	430	628	818	241	464	679	885
	600	197	379	554	722	268	515	753	982	290	557	814	1 061
	700	229	442	647	842	311	601	880	1 145	337	650	951	1 238
	800	262	506	739	963	356	688	1 005	1 310	385	744	1 086	1 416
	900	295	569	832	1 083	401	774	1 132	1 473	434	836	1 223	1 592
	1 000	328	632	924	1 203	446	860	1 257	1 636	482	929	1 358	1 768
	1 100	360	695	1 016	1 324	490	945	1 382	1 801	529	1 022	1 494	1 946
	1 200	393	758	1 108	1 444	534	1 031	1 508	1 964	578	1 115	1 630	2 123
	1 300	431	834	1 220	1 591	586	1 134	1 660	2 163	634	1 226	1 795	2 338
	1 400	469	909	1 332	1 737	638	1 237	1 812	2 362	689	1 337	1 959	2 553
	1 500	507	985	1 444	1 884	689	1 340	1 964	2 562	745	1 448	2 123	2 769
	1 600	544	1 060	1 556	2 030	740	1 443	2 116	2 761	800	1 559	2 287	2 984
	1 800	619	1 211	1 779	2 322	842	1 648	2 420	3 158	910	1 782	2 616	3 413
	2 000	695	1 363	2 003	2 615	945	1 854	2 724	3 556	1 022	2 004	2 945	3 844

Weight and water volume

Height C	[mm]	140				240				280			
Width B	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
WKE weight	[kg/m]	7.5	9.2	11.0	12.8	9.4	11.3	13.2	15.2	10.1	12.0	14.1	16.1
WBE weight	[kg/m]	7.0	8.5	10.1	11.6	8.8	10.4	12.1	13.9	9.5	11.2	13.0	14.8
Water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

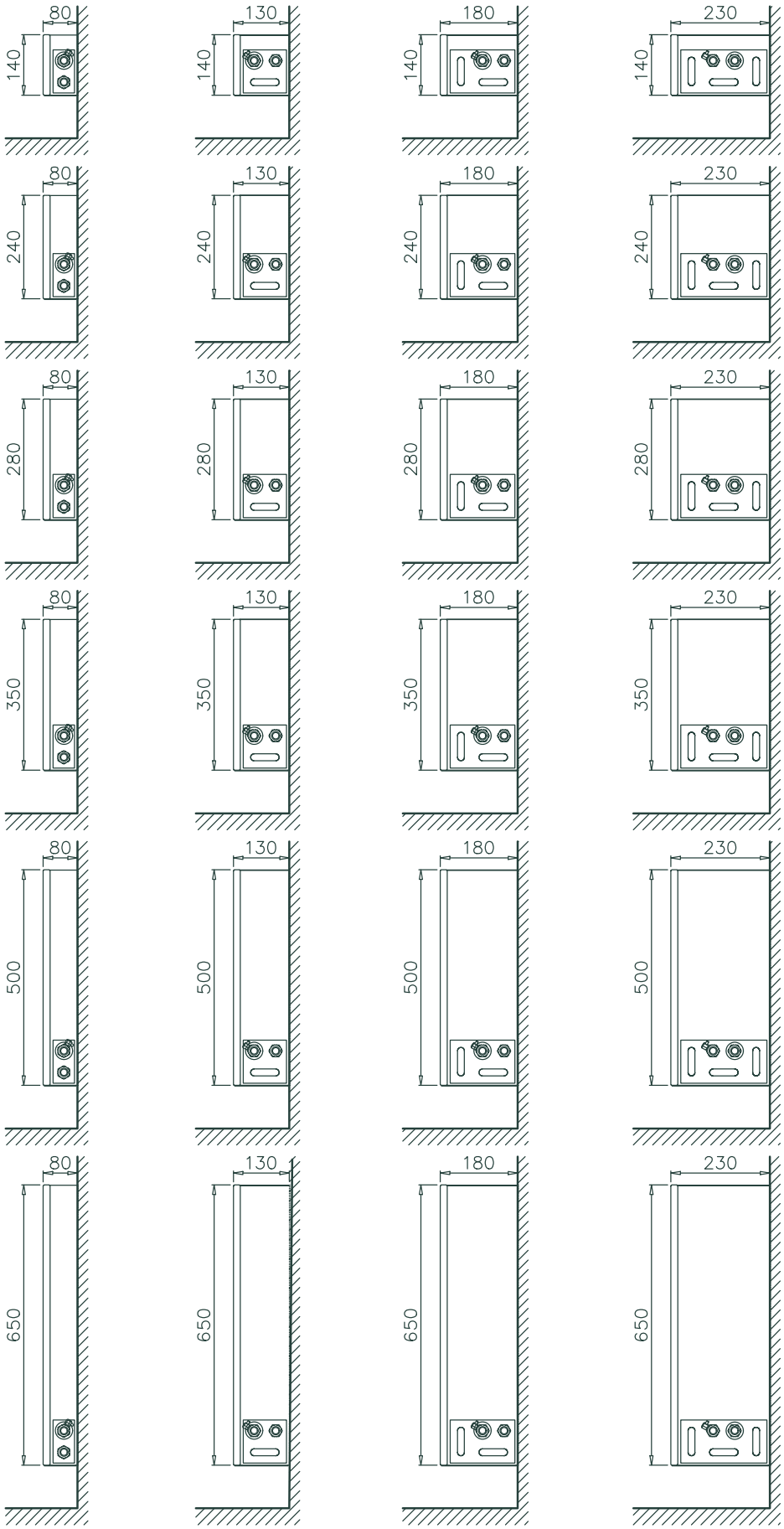
Height C	[mm]	350				500				650			
Width B	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
		Heat output [W] according to EN 16430 - 75/65/20 °C											
Length A [mm]	**400**	216	417	624	810	249	479	745	997	276	531	848	1 161
	500	270	521	781	1 013	311	599	931	1 246	344	663	1 060	1 452
	600	325	625	937	1 215	374	718	1 117	1 495	414	796	1 272	1 742
	700	378	729	1 093	1 418	434	838	1 303	1 745	481	929	1 484	2 032
	800	432	833	1 249	1 620	496	958	1 490	1 994	550	1 061	1 696	2 323
	900	487	937	1 405	1 823	559	1 078	1 676	2 243	620	1 194	1 908	2 613
	1 000	541	1 041	1 561	2 025	621	1 197	1 862	2 492	689	1 327	2 120	2 904
	1 100	593	1 146	1 717	2 228	682	1 317	2 048	2 742	756	1 459	2 331	3 194
	1 200	648	1 250	1 873	2 430	745	1 437	2 234	2 991	826	1 592	2 543	3 484
	1 300	711	1 354	2 030	2 633	817	1 557	2 421	3 240	905	1 725	2 755	3 775
	1 400	773	1 458	2 186	2 835	888	1 676	2 607	3 489	984	1 857	2 967	4 065
	1 500	835	1 562	2 342	3 038	960	1 796	2 793	3 739	1 064	1 990	3 179	4 356
	1 600	897	1 666	2 498	3 240	1 031	1 916	2 979	3 988	1 143	2 123	3 391	4 646
	1 800	1 021	1 875	2 810	3 645	1 173	2 155	3 351	4 486	1 300	2 388	3 815	5 226
	2 000	1 146	2 083	3 122	4 050	1 318	2 395	3 724	4 985	1 460	2 653	4 239	5 807

Weight and water volume

Height C	[mm]	350				500				650			
Width B	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
WKE weight	[kg/m]	11.3	13.4	15.5	17.7	14.0	16.3	18.7	21.1	16.7	19.2	21.8	24.5
WBE weight	[kg/m]	10.7	12.5	14.4	16.4	13.4	15.5	17.6	19.7	16.1	18.4	20.7	23.1
Water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

Flat wall-mounted convector

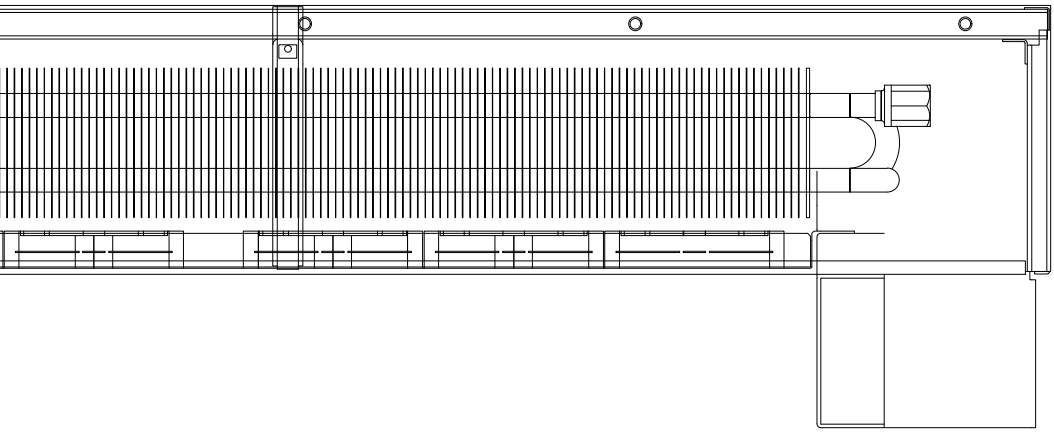
Dimensions

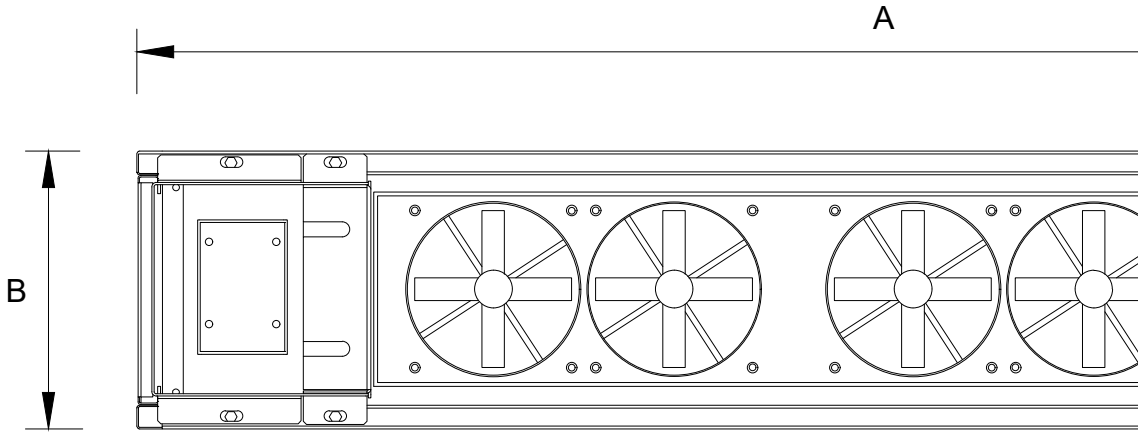


04

Fan-assisted free-standing convector

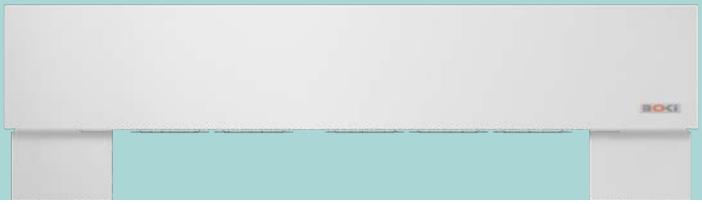
A fan-assisted free-standing convector is the ideal solution for low temperature gradients, especially heat pumps. The convector retains its traditional form as an free-standing unit, but has axial fans built in beneath it. Thanks to its high performance, you can replace a fanless long convector with a shorter fan-assisted convector. The fans are essentially silent during normal operations.




A
B

Fan-assisted free-standing convector

Aura Electric

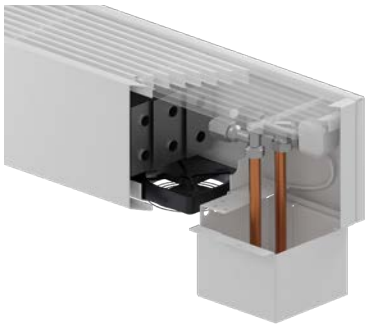


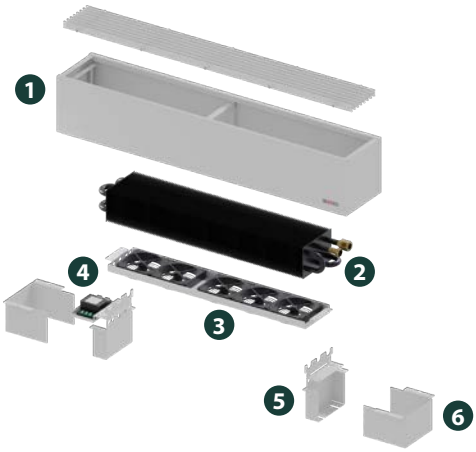
Height	180 mm
Width	186 mm
Length	from 600 to 2 400 mm
Heat output	from 687 to 6 976 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- the most powerful free-standing convector (three times more powerful than a fanless free-standing convector)
- suitable for low-temperature heating systems (heat pumps)
- can be used as the sole heat source
- very quiet 24 V axial fans with low power consumption
- continuous fan speed control 0-10 V
- low water volume for fast response and energy savings
- this type of convector is designed for installation on finished floors only

Example of installation with electrothermal actuator





Standard package contents

1. convector casing with longitudinal duralumin grille
2. lacquered heat exchanger in black RAL 9005, with automatic air vent
3. 24 V DC axial fans including lower protective grille
4. connecting RGL-box
5. bracket for mounting on finished floors
6. connection cover

Accessory package

- floor fixing screws, washers, dowels
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- Allen key
- installation manual

Optional accessories

- axial thermostatic valve, shut-off valve
- thermostatic head
- electrothermal actuator and room thermostat
- 24 V DC power supply

Standard colors at no extra charge

RAL 9016 RAL 9005 RAL 7016 RAL 9006 RAL 9010

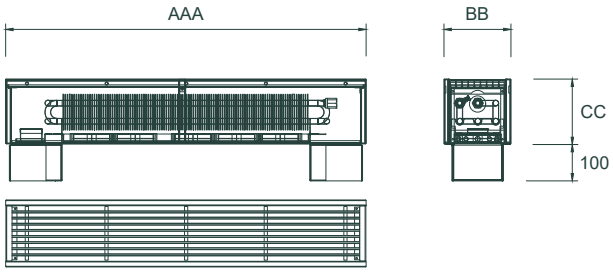
Ordering code

Type	Height CC	Length AAA	Width BB	Colour
WKEL - Aura Electric for finished floors	18 = 180 mm	060 = 600 mm	19 = 186 mm	04 = RAL 9016
		:		05 = RAL 9006
		:		06 = RAL 9005
		240 = 2 400 mm		08 = RAL 9010
				15 = RAL 7016

Example:

Aura free-standing convector, type WKEL, bracket for finished floors, height 180 mm, length 2 000 mm, width 186 mm, colour RAL 9016

WKEL - 18 - 200 - 19 - 04



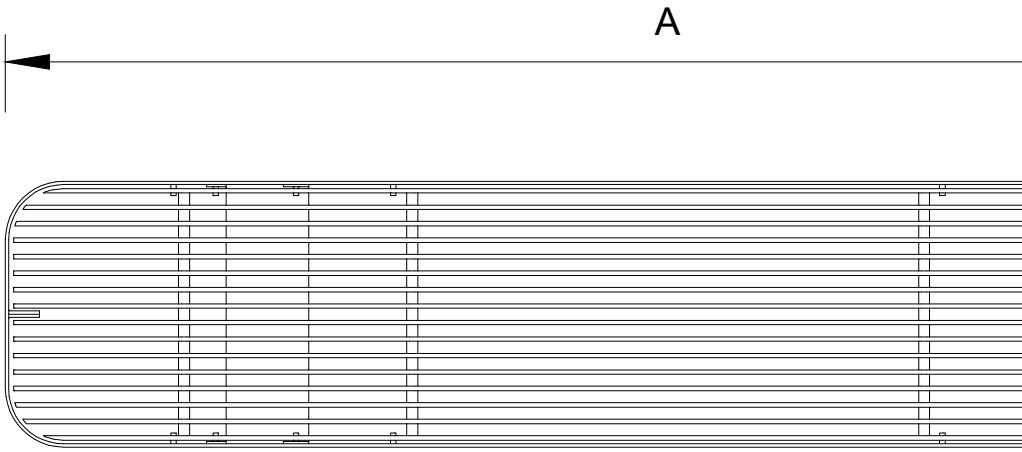
Heat output

Height C	[mm]	330						**Sound pressure level L_{pA}**			**Power consumption**
Width B	[mm]	240									
Control voltage	[V]	3	6	9	3	6	9	3	6	9	
		Heat output [W] according to EN 16430 - 45/35/20 °C			**Heat output [W] according to EN 16430 - 75/65/20 °C**			[dB]			[W]
Length A [mm]	**600**	250	324	381	687	846	939	30.2	33.1	37.8	6.7
	750	384	498	584	1 055	1 299	1 442	30.5	33.7	38.7	7.5
	1 000	607	787	924	1 668	2 054	2 281	30.9	34.5	39.9	9.2
	1 300	874	1 134	1 332	2 403	2 959	3 287	31.2	35.2	41.0	10.9
	1 500	1 053	1 365	1 604	2 894	3 563	3 958	31.4	35.6	41.6	12.6
	1 700	1 231	1 597	1 876	3 384	4 167	4 629	31.6	35.9	42.2	13.4
	2 000	1 499	1 944	2 284	4 120	5 073	5 635	31.8	36.3	42.8	15.0
	2 200	1 677	2 175	2 555	4 611	5 677	6 306	31.9	36.6	43.3	15.0
	2 400	1 856	2 407	2 827	5 101	6 281	6 976	32.0	36.8	43.6	16.8

Water volume	[l/m]	1.1
Weight	[kg/m]	15.0

05 Designer convectors

Our range of designer convectors presents a new way of looking at heating units. During their development, we emphasised their aesthetics and multifunctional use. At the same time, we wanted to offer the opportunity to match the product colour however you need.


A

MULTIFUNCTIONAL USE

The convector is designed to serve not only as a heat source but also as an active part of your interior. Its solid construction means it can be sat on, opening up additional use options.

AESTHETIC APPEARANCE

We paid great attention to its aesthetics when developing the convector. Simple lines and rounded corners give this fixture space to stand out in any interior.

EASY INSTALLATION

The Aura Scandi designer convector is very easy to install. The unit is attached to the floor by means of "L" profiles inside the casing.

TWO OPTIONS TO CHOOSE FROM

We offer our Aura Scandi designer convector in two variants: with or without a fan. The use of axial fans increases the performance of this unit even at low temperature gradients (heat pumps).

COLOUR MATCHING WITH THE INTERIOR

This convector opens opportunities for all those not afraid to experiment. You can choose different colour combinations for the grille and the convector casing. You can choose from several RAL colours and structures.

1000 mm

1200 mm

1400 mm

1600 mm

AVAILABLE IN 4 DIFFERENT LENGTHS

When developing Aura Scandi, we paid particular attention to design. We found that the unit retains its elegant proportions and appearance only in lengths from 1 000 mm to 1 600 mm. This is why only four lengths of this unit were created.

COLOUR OPTIONS

The ability to choose from a range of colours and match the convector to the interior was key for us. This why we enable you to combine different casing and grille colours. The subtle structure of the colour is ideally suited to the character of this unit. Therefore, all the colours offered have a fine texture.

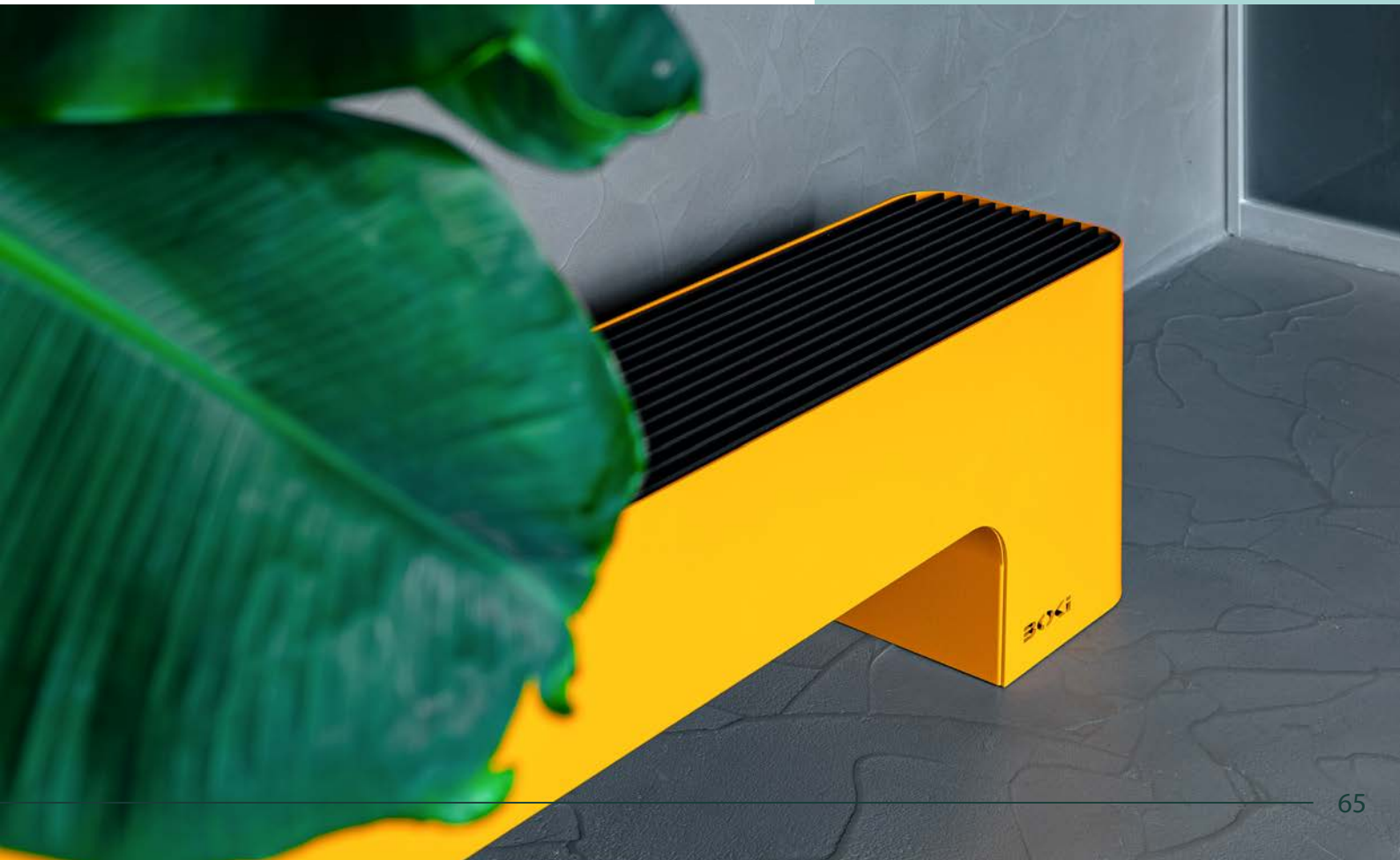
RAL 9016

RAL 9005

RAL 7016

RAL 9006

RAL 9010



Designer convector

Aura Scandi

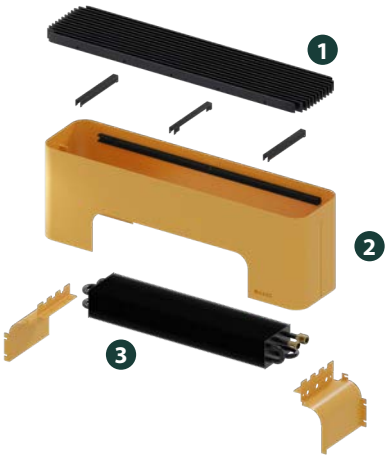
Height	330 mm
Width	240 mm
Length	1 000, 1200, 1400 and 1600 mm
Heat output	from 722 to 1 203 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- simple, elegant and noiseless
- low water volume for fast response and energy savings
- a heat exchanger inside the casing allows warm air to flow up through the grille without unwanted heating of the casing
- designed for installation on finished floors only
- the convector construction is designed to give a load capacity of 120 kg
- the ideal solution for corridors, lobbies, public centres and anywhere where the unification of functionality and timeless design is appreciated

Optional accessories

- thermostatic valve, shut-off valve
- thermostatic head
- electrothermal actuator and room thermostat
- 24 V DC power supply



Standard package contents

1. longitudinal removable duralumin grille
2. convector casing including grille holders
3. lacquered heat exchanger in black RAL 9005, with automatic air vent

Accessory package

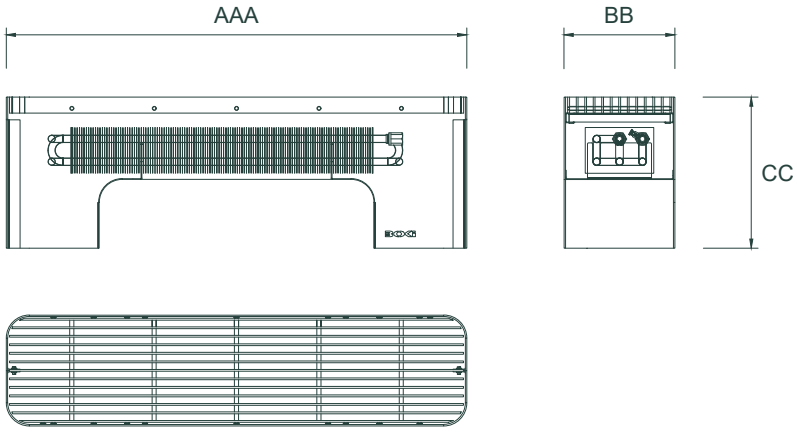
- floor fixing screws, washers, dowels
- fixing angle brackets
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- Allen key
- installation manual

Heat output

Height C	[mm]	330
Width B	[mm]	240

Heat output [W] according to EN 16430 - 75/65/20 °C

Length A [mm]	**1 000**	722
	1 200	883
	1 400	1 042
	1 600	1 203
Water volume	[l/m]	1.1
Weight	[kg/m]	26.8



Ordering code

Type	Height CC	Length AAA	Width BB	Grille colour	Casing colour
SCANDI - Designer convectors	33 = 330 mm	100 = 1 000 mm	24 = 240 mm	66 = RAL 9016	66 = RAL 9016
		120 = 1 200 mm		90 = RAL 9005	90 = RAL 9005
		140 = 1 400 mm		95 = RAL 7016	95 = RAL 7016
		160 = 1 600 mm		96 = RAL 9006	96 = RAL 9006
				97 = RAL 9010	97 = RAL 9010

Example:

Aura Scandi designer convector, height 330 mm, length 1 400 mm, width 240 mm, grille colour RAL 9016, casing colour RAL 9016

SCANDI - 33 - 140 - 24 - 04 - 04

Fan-assisted designer convector

Aura Scandi Electric

Height	330 mm
Width	240 mm
Length	1 000, 1200, 1400 and 1600 mm
Heat output	from 681 to 2 314 W
Connection thread	internal thread G1/2"
Casing material	galvanised

Basic characteristics

- suitable for low-temperature heating systems (heat pumps)
- can be used as the sole heat source
- very quiet 24 V axial fans with low power consumption
- continuous fan speed control 0-10 V
- low water volume for fast response and energy savings
- designed for installation on finished floors only
- the convector construction is designed to give a load capacity of 120 kg

Optional accessories

- thermostatic valve, shut-off valve
- thermostatic head
- electrothermal actuator and room thermostat
- 24 V DC power supply

Standard package contents

1. longitudinal removable duralumin grille
2. convector casing including grille holders
3. lacquered heat exchanger in black RAL 9005, with automatic air vent
4. 24 V DC axial fans including lower protective grille
5. connecting RGL-box

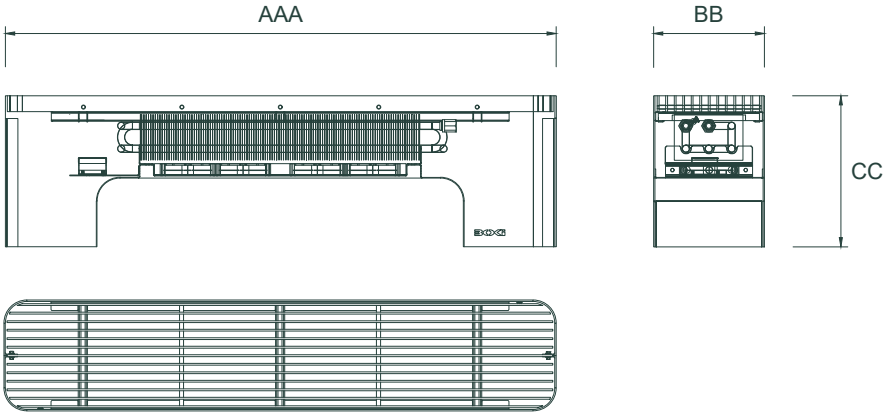
Accessory package

- floor fixing screws, washers, dowels
- fixing angle brackets
- plastic protector to protect the heat exchanger after it is mounted in the bracket
- Allen key
- installation manual

Heat output

Height C	[mm]	330						**Sound pressure level L_{pA}**			**Power consumption**
Width B	[mm]	240									
Control voltage	[V]	3	6	9	3	6	9	3	6	9	
		Heat output [W] according to EN 16430 - 45/35/20 °C			**Heat output [W] according to EN 16430 - 75/65/20 °C**			[dB]			[W]
Length A [mm]	**1 000**	246	305	355	681	825	939	30.1	32.3	37.2	6.7
	1 200	366	453	528	1 013	1 228	1 398	30.5	33.5	38.4	8.4
	1 400	486	602	700	1 345	1 631	1 856	30.9	34.5	39.5	9.2
	1 600	606	750	873	1 677	2 033	2 314	31.3	35.4	40.5	10.0

Water volume	[l/m]	1.1
Weight	[kg/m]	30.0



Ordering code

Type	Height CC	Length AAA	Width BB	Grille colour	Casing colour
SCANDIEL - Designer convectors fan-assisted	33 = 330 mm	100 = 1 000 mm	24 = 240 mm	66 = RAL 9016	66 = RAL 9016
		120 = 1 200 mm		90 = RAL 9005	90 = RAL 9005
		140 = 1 400 mm		95 = RAL 7016	95 = RAL 7016
		160 = 1 600 mm		96 = RAL 9006	96 = RAL 9006
				97 = RAL 9010	97 = RAL 9010

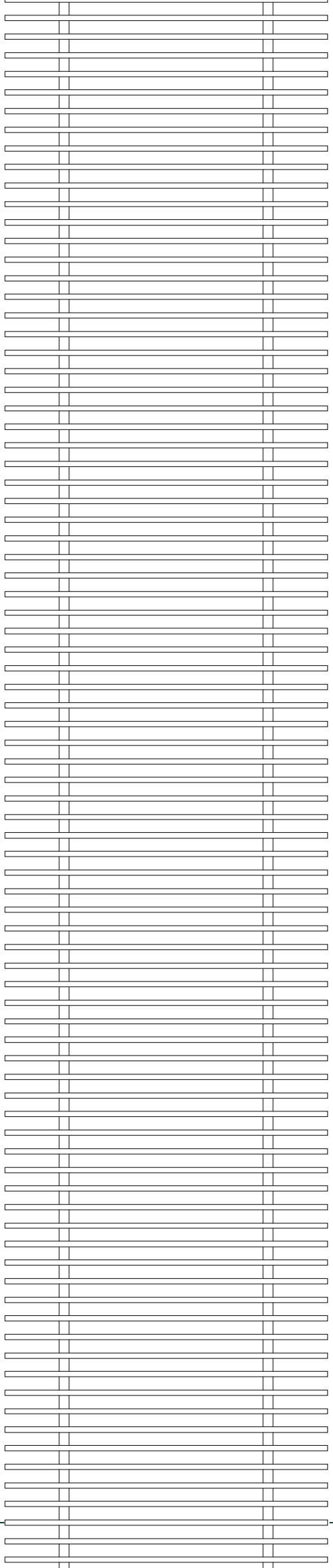
Example:

Aura Scandi designer convector, type Electric, height 330 mm, length 1 400 mm, width 240 mm, grille colour RAL 9016, casing colour RAL 9016

SCANDIEL - 33 - 140 - 24 - 04 - 04

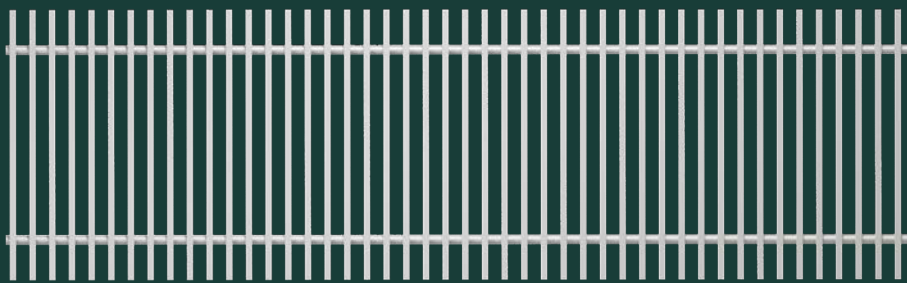
06 Cover grilles

The cover grilles are the only visible element of trench convectors. It is important to choose them carefully, which is why we offer three basic materials and a wide range of finishes to complement your floor. We offer several options for grille frames, ensuring a flawless transition between the grille and the floor based on how it is terminated at the convector edge. We also offer the possibility to replace the cover grilles for trench convectors from other manufacturers.



Cover grilles

for trench convectors



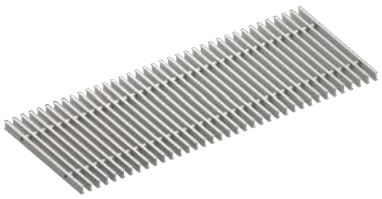
Grille design

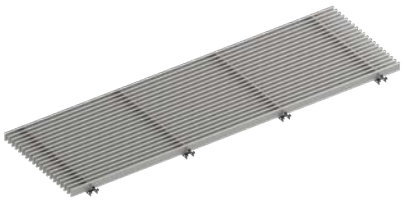
Transverse (can be rolled up)

- the slats and the spacer rings are threaded on a spring
- suitable for all slat materials and all convector types and sizes

Longitudinal

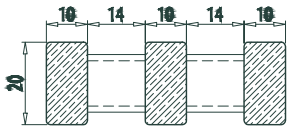
- the slats are either duralumin or stainless steel
- supplied together with the grille support
- cannot be used for fan-assisted convectors (F1S, F2C, F2V, F4C, F4V)





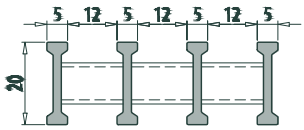
Grille materials

Wood



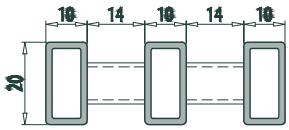
- Beech without surface treatment
- Lacquered / oiled beech
- Oak without surface treatment
- Lacquered / oiled oak

Duralumin



- Natural duralumin
- Light bronze duralumin
- Dark bronze duralumin
- Black duralumin

Stainless steel

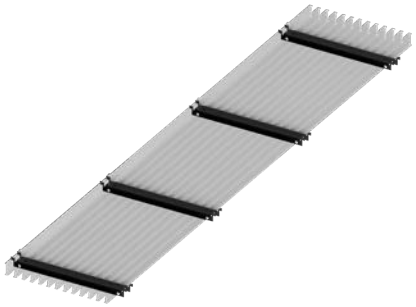


- Stainless steel

- Grilles with wooden slats (beech, oak) can be supplied without a surface treatment, oiled or lacquered.
- Dimensional stability cannot be guaranteed for wooden grilles without surface treatment, as the grilles may dilate due to humidity changes in the interior.
- The wooden grille packaging contains instructions for extending the grille, including two wooden slats, rings and a tool for fixing the spring
- The spacers for wooden slats (beech, oak) in various designs (without surface treatment, oil, lacquer) are always made of beech without surface treatment.
- The spacers for stainless-steel grilles are made of light bronze duralumin.

Longitudinal grille supports

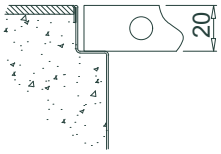
Longitudinal grille supports are used to ensure the proper function of the longitudinal grilles. The supports are supplied with the grille and are placed under each row of rings (except the row above the heat exchanger connection area). The supports are held in place for transport and assembly with tape, which can be removed after the final assembly.



Edge frames for cover grilles

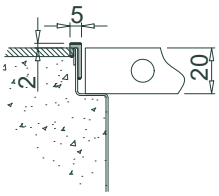
PMO - without edge frame

- assumes a perfectly installed convector and a perfectly laid finished floor with the same joint width between the convector edge and the finished floor



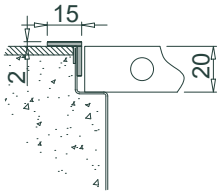
PMU - with U-shaped edge frame

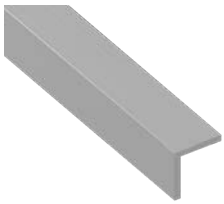
- assumes a perfectly installed convector
- used to cover the edge of the convector and to colour-match the grille
- supplied cut to length together with the grille



PML - with L-shaped edge frame

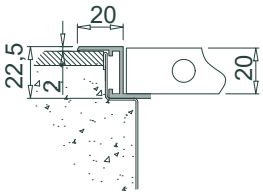
- used when the floor is not cut uniformly at the convector edge
- used to cover the gap between the convector edge and the finished floor
- supplied cut to length together with the grille





PMZ - with Z-shaped edge frame

- the Z-shaped edge frame covers the transition between the duct and the finished floor
- used where the convector top is lower than the finished floor
- the Z-shaped edge frame is delivered folded together with the grille



- U-, L- and Z-shaped edge frames are available in the same colours as the duralumin grilles.
- U-, L- and Z-shaped edge frames must be ordered together with the grille.
- The slats for the PMO, PMZ and PMU/PML grilles are of different lengths. The grilles and edge frames cannot be combined at a later date.
- If the convector duct shape changes due to its incorrect installation or mechanical damage, the manufacturer is not responsible for any problems with the installation of the edge frame.
- U- and L-shaped edge frames must be fixed to the floor with silicone sealant or glue so that the edge frame cannot loosen spontaneously.
- The Z-shaped edge frame is not self-supporting - it needs to be supported to function properly.
- The maximum length of the U-, L- and Z-shaped edge frame is 350 cm. If needed, longer edge frames can be created using multiple shorter ones.

Cover grilles

Ordering code

Type	Width BB	Length LLL	Grille design	Grille slat material	U-, L- and Z-shaped frame material
PMO - grille without frame	17 = 170 mm	070 = 700 mm	11 = roll-up, duralumin	00 = natural anodised	00 = natural anodised
	20 = 200 mm	:	21 = longitudinal, duralumin	02 = light bronze anodised	duralumin
PMU - grille with U-shaped frame	23 = 230 mm	:		03 = dark bronze anodised	02 = light bronze anodised
	25 = 250 mm	:		04 = black anodised	duralumin
PML - grille with L-shaped frame	28 = 280 mm	:			03 = dark bronze anodised
	30 = 300 mm	:	12 = roll-up, beech	00 = without surface treatment	duralumin
PMZ - grille with Z-shaped frame	34 = 340 mm	:	14 = roll-up, oak	20 = oil	04 = black anodised
	42 = 420 mm	:		21 = matt lacquer	duralumin
		:			
		:	13 = roll-up, stainless steel	00 = without surface treatment	
		900 = 9 000 mm	23 = longitudinal, stainless steel		

Example:

Grille without frame, width 420 mm, length 3 200 mm, transverse slats, material natural anodised duralumin

PMO - 42 - 320 - 11 - 00

Grille with L-shaped frame, width 300 mm, length 1 500 mm, transverse slats, material matt lacquer oak, light bronze duralumin L-shaped frame

PML - 30 - 150 - 14 - 21 - 02

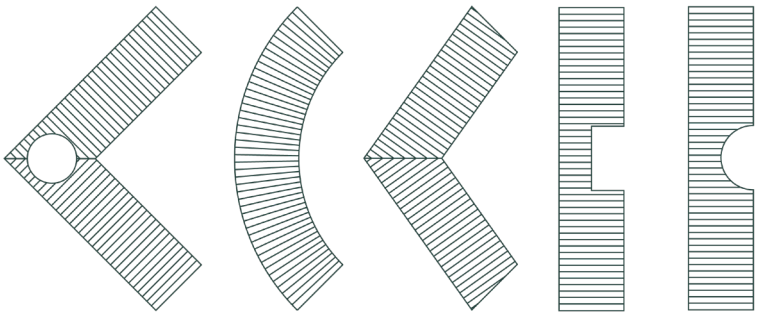
Weight [kg/m]

Grille type	PMO							PMU, PML							PMZ						
Width [mm]	17	20	23	25	30	34	42	17	20	23	25	30	34	42	17	20	23	25	30	34	42
Duralumin	1.9	2.2	2.4	2.6	3.0	3.4	4.0	2.6	2.9	3.2	3.3	3.8	4.1	4.8	3.1	3.3	3.6	3.8	4.2	4.6	5.3
Beech, oak	1.5	1.7	1.9	2.0	2.4	2.6	3.2	2.2	2.5	2.7	2.8	3.1	3.4	3.9	2.7	2.9	3.1	3.3	3.6	3.9	4.5
Stainless steel	5.1	5.8	6.6	7.2	8.5	9.5	11.6	5.6	6.4	7.2	7.8	9.1	10.1	12.2	5.9	6.7	7.5	8.0	9.3	10.4	12.5

Grille design

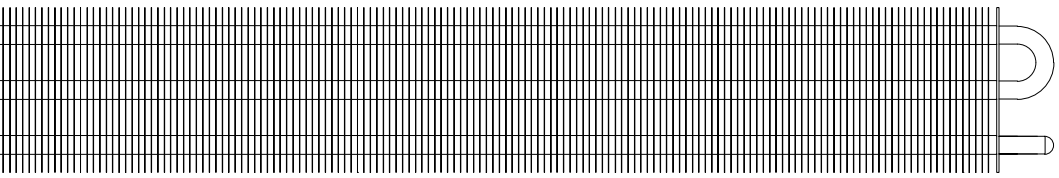
Sometimes atypical solutions are needed. If you need arch, corner or other atypical grilles, we will be happy to help.

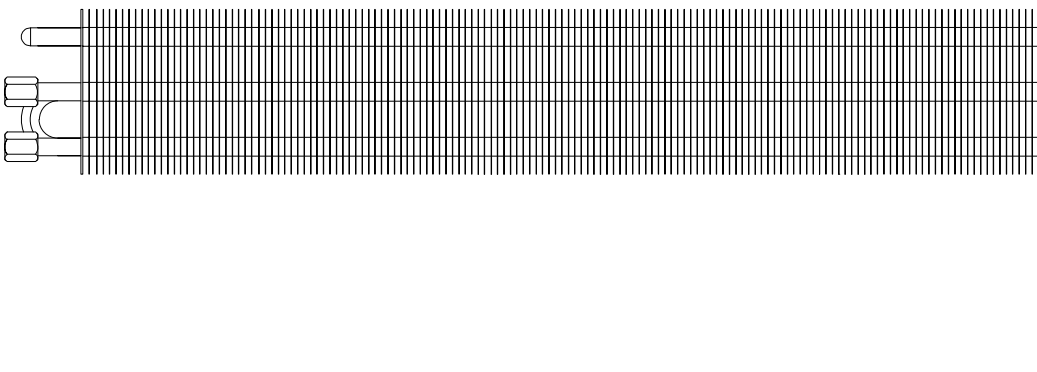
For demanding projects, a professional measuring service is included.



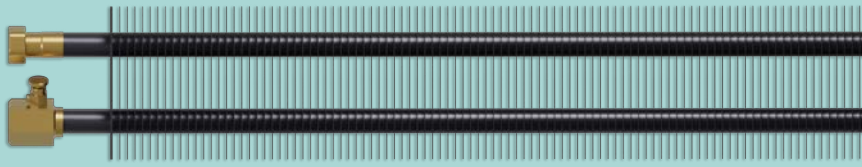
07 Heat exchangers

Heat exchangers have many uses. They are installed, for example, in built-in furniture, cellars and attics. You can also find them under the pews in churches. Floor and wall brackets can be supplied as accessories. They are supplied unlacquered or lacquered in RAL 9005. The package includes an air vent (automatic or manual) and outlets with a G1/2" internal thread.

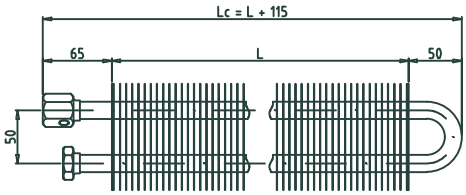




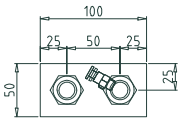
Stand-alone heat exchangers



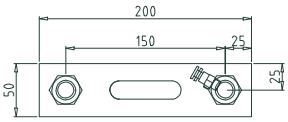
Height	50, 100 mm
Width	100, 150, 200 mm
Finned length	from 560 to 2 760 mm
Heat output	from 245 to 4 082 W
Connection thread	internal thread G1/2"



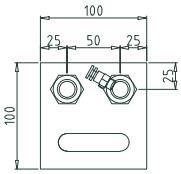
LVF-09



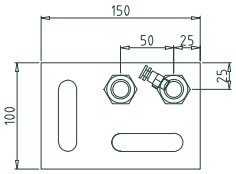
LVF-19



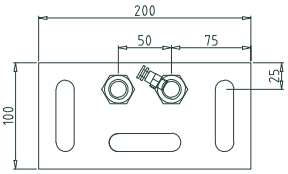
LVR-10



LVR-15



LVR-20



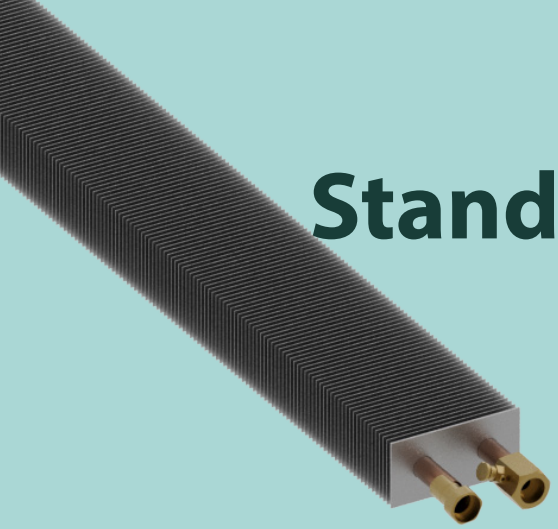
Ordering code

Type	Code	Finned length	Lacquering	Air vent valve	Bracket
LVF - heat exchanger	09	056 = 560 mm	10 = unlacquered	0 = without air vent	0 = without bracket
LVR - heat exchanger	10	:	11 = lacquered	A = automatic air vent	F = with floor brackets
	15	:		K = manual air vent	W = with wall brackets
	19	:			
	20	276 = 2 760 mm			

Example:

LVF-09 heat exchanger, finned exchanger length 1 560 mm, unlacquered, manual air vent, with wall brackets

LVF - 09 - 156 - 10 - K - W



Stand-alone heat exchangers

Heat output

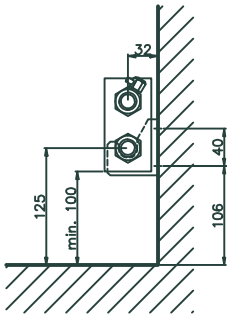
Convector length	Total exchanger length Lc	Finned exchanger length L	Recommended number of brackets	Heat exchanger type				
				LVF-09	LVF-19	LVR-10	LVR-15	LVR-20
[mm]	[mm]	[mm]	[pcs]	Heat output [W] according to EN 16430 - 75/65/20 °C				
600	475	360	2	245	549	379	554	722
700	575	460	2	286	640	442	647	842
800	675	560	2	326	732	506	739	963
900	775	660	2	368	824	569	832	1 083
1 000	875	760	2	408	915	632	924	1 203
1 100	975	860	2	449	1 006	695	1 016	1 324
1 200	1 075	960	2	490	1 098	758	1 108	1 444
1 300	1 175	1 060	2	531	1 190	834	1 220	1 591
1 400	1 275	1 160	2	571	1 281	909	1 332	1 737
1 500	1 375	1 260	2	612	1 373	985	1 444	1 884
1 600	1 475	1 360	2	653	1 464	1 060	1 556	2 030
1 700	1 575	1 460	2	694	1 555	1 136	1 668	2 176
1 800	1 675	1 560	2	734	1 646	1 211	1 779	2 322
1 900	1 775	1 660	2	775	1 738	1 287	1 891	2 469
2 000	1 875	1 760	2	816	1 830	1 363	2 003	2 615
2 100	1 975	1 860	3	857	1 922	1 439	2 115	2 762
2 200	2 075	1 960	3	898	2 013	1 514	2 227	2 908
2 300	2 175	2 060	3	939	2 105	1 590	2 339	3 054
2 400	2 275	2 160	3	979	2 196	1 666	2 451	3 200
2 500	2 375	2 260	3	1 020	2 288	1 742	2 563	3 347
2 600	2 475	2 360	3	1 061	2 379	1 818	2 675	3 493
2 700	2 575	2 460	3	1 119	2 492	1 903	2 434	3 637
2 800	2 675	2 560	3	1 176	2 604	1 988	2 192	3 780
2 900	2 775	2 660	3	1 233	2 764	2 047	3 010	3 931
3 000	2 875	2 760	3	1 290	2 924	2 106	3 828	4 082
Water volume	[l/m]			0.3	0.7	0.7	1.0	1.4
Weight	[kg/m]			1.4	2.6	2.4	3.5	4.6

The heat output is derived from installation in free-standing convectors. The casing height is 90 mm for LVF-09 and LVF-19, and 140 mm for LVR-10, LVR-15 and LVR-20. The bottom edge of the heat exchanger is 100 mm above the floor. The heat output will be different under other conditions.

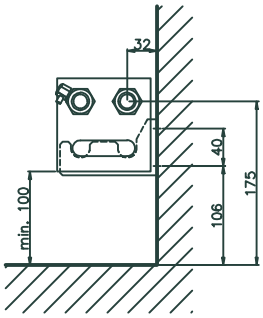
Options for installing heat exchangers

Wall brackets

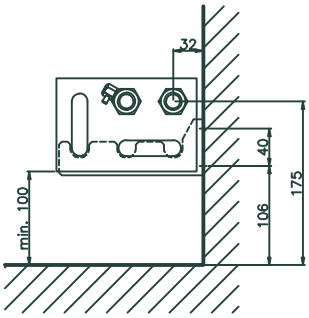
LZN-W05



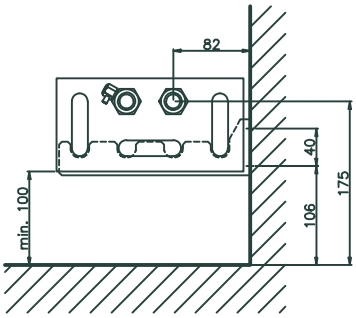
LZN-W10



LZN-W15

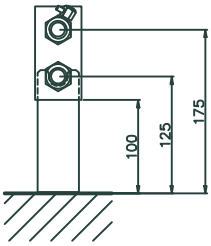


LZN-W20

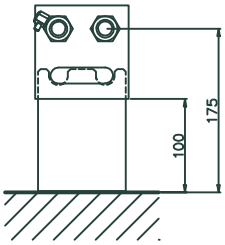


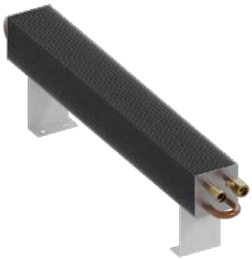
Brackets for finished floors

LZN-F05-100

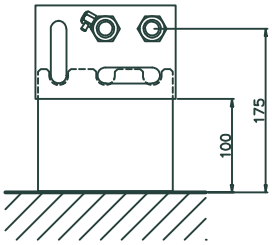


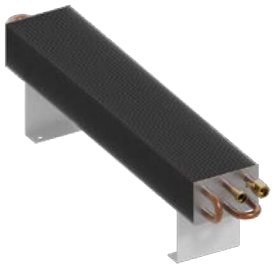
LZN-F10-100



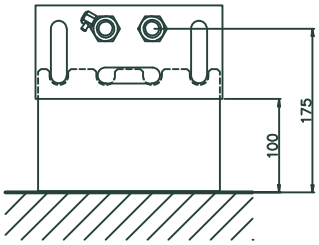


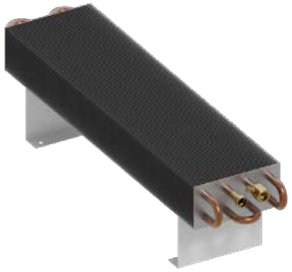
LZN-F15-100





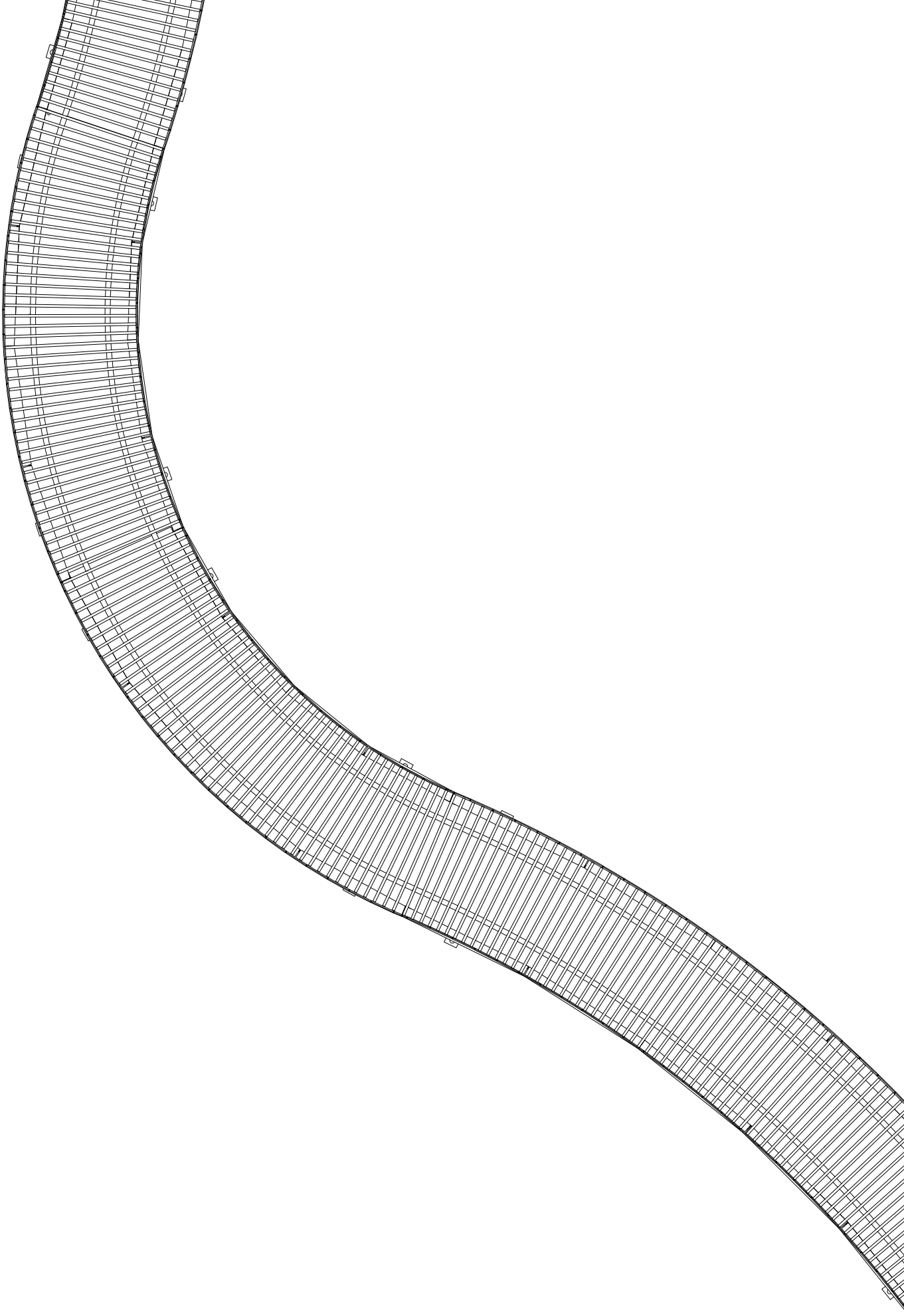
LZN-F20-100





08 Atypical convectors

We offer solutions for atypical trench convectors that can be adapted to various shapes and sizes according to your requirements. We offer professional on-site measuring for larger and more complex projects. We use state-of-the-art laser measuring instruments to ensure maximum precision, guaranteeing the final product is flawless. Your individual requirements and demanding projects are a challenge that we are happy to meet with the highest levels of precision and professionalism.



Atypical convectors

Set for installation on raised floors

Must be specified when ordering the convector

- adjustment range 20–200 mm
- the spreading plates are riveted to the bottom of the convector duct, while the height can be freely adjusted by means of screws
- recommended amount per convector:
  total convector length / 500 mm + 1 pc

Acoustic absorbent film

Must be specified when ordering the convector

- reduces the noise level of fan-assisted convectors
- installed on the outer bottom of trench convector ducts
- can also be installed on the outside of trench convectors

In-duct transformer

Must be specified when ordering the convector

- 50 W DC power source
- the convector length must be extended by 150–200 mm
- can be connected in parallel with other convectors in the room
- IP protection of the DC power supply IP 67
- IP protection of the 230 V connection wiring box IP 66
- for convectors F1S, F2C, F4C

Air spigots for connection to air conditioning

Must be specified when ordering the convector

- used to supply fresh air or to terminate the air-conditioning system in the convector duct
- can be used with all models of trench convectors
- any air spigot shape and size can be used
- the air spigot size depends on the height of the convector duct

Corner version

Must be specified when ordering the convector

- all models of trench convectors and grilles can be adapted for corner installation
- obtuse, right and acute angles can be produced
- on-site measurements can be carried out in the case of more complex shapes

Curved version

Must be specified when ordering the convector

- all models of trench convectors and grilles can be adapted to produce curves
- any shape can be produced
- on-site measurements can be carried out in the case of more complex shapes

Swimming-pool version

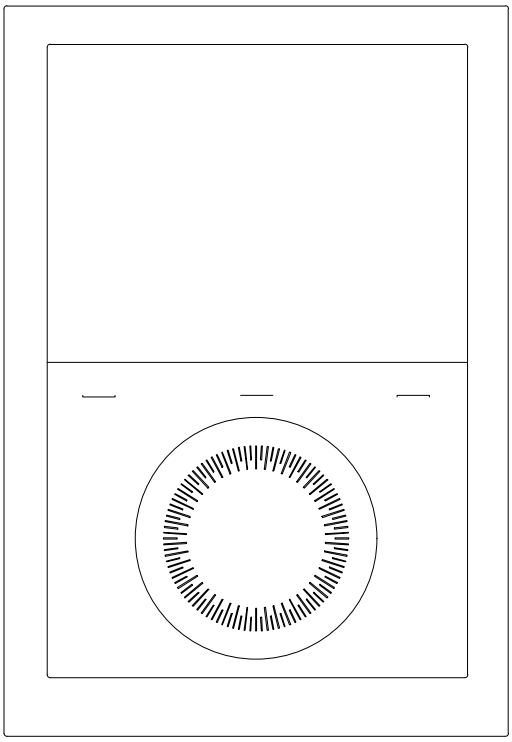
Must be specified when ordering the convector

The installation of an trench convector in a swimming-pool environment requires the use of suitable corrosion-resistant materials and a technical solution ensuring the sealing of the duct and its drainage.

- the convector duct in the swimming-pool version is made of AISI 316L stainless steel
- all duct joints are sealed with a special sealant
- the bottom of the duct is equipped with drainage outlets, while the location and direction of these outlets can be changed on request
- 24 V fan power supply

09 Accessories

For our convectors, we offer a complete range of accessories from the international companies SIEMENS, WATTS and OVENTROP, including fittings, thermostats, transformers, thermostatic heads and thermal actuators. These accessories help ensure optimum comfort and convenience at home.



Accessories

PRS-01
PRS-02

SIEMENS shut-off valves

- dimension 1/2" G, DN 15
- maximum operating pressure PN 10
- maximum operating temperature 110 °C
- straight version (PRS-01) or corner version (PRS-02)

Number of turns from closure	1	1.5	2	2.5	3	4	open
k_{vs} [m^3/h]	0.65	1.0	1.3	1.7	1.9	2.3	2.5

PTV-01
PTV-02

SIEMENS thermostatic valve - shortened NF version

- dimension 1/2" G, DN 15
- maximum operating pressure PN 10
- maximum operating temperature 110 °C
- straight version (PTV-01) or corner version (PTV-02)

Valve preset	1	2	3	4	5	open
k_{vs} [m^3/h]	0.1	0.2	0.31	0.45	0.69	0.89

PTV-03

SIEMENS axial thermostatic valve

- dimension 1/2" G, DN 15
- maximum operating pressure PN 10
- maximum operating temperature 110 °C

Valve preset	1	2	3	4	5	N
k_{vs} [m^3/h]	0.13	0.23	0.34	0.52	0.66	0.77

RHE-11
RHE-12

Thermal actuator for WATTS thermostatic valve control

- supply voltage 230 V / 50 Hz
- cable length 1 m
- connection cable 2 x 0.5 mm^2
- power consumption 1.8 W
- protection level in all installation directions IP 54
- RHE-11 - no current open (NO), RHE-12 - no current closed (NC)
- for convectors FMS, F2V, F4V

RHE-21
RHE-22

Thermal actuator for WATTS thermostatic valve control

- supply voltage 24 V AC/DC
- cable length 1 m
- connection cable 2 x 0.5 mm^2
- power consumption 1.6 W
- protection level in all installation directions IP 54
- RHE-21 - no current open (NO), RHE-22 - no current closed (NC)
- for convectors FMS, F1S, F2C, F4C

PTH-01

SIEMENS RTN 81 thermostatic actuator with separate control

- temperature range setting 8–28 °C
- frost protection 8 °C
- liquid sensor connector length 2 m
- thermostatic actuator length 74 mm, M30 x 1.5 thread
- separate control dimensions (h x w x d): 55 x 80 x 80 mm

PPT-01

SIEMENS RAA21 room thermostat

- room thermostat for controlling thermal actuators
- 2-point thermal actuator ON/OFF control
- control of up to 24 RHE-11, RHE-12 thermal actuators
- protection level IP30
- operating voltage 24–250 V AC / 50 or 60 Hz
- temperature range setting 8–30 °C
- dimensions (h x w x d): 35.3 x 96 x 97 mm
- for FMS convectors

PER-35

SIEMENS RDE100.1 room thermostat

- room thermostat with weekly programming and multifunction input
- 2-point thermal actuator ON/OFF control
- control of up to 20 RHE-11, RHE-12 thermal actuators with 230 V AC power supply
- control of up to 4 RHE-21, RHE-22 thermal actuators with 24 V DC power supply
- protection level IP30
- supply voltage: 3 V DC (2 x 1.5 V)
- operating voltage 24–230 V AC
- temperature range setting 5–35 °C
- dimensions (h x w x d): 21.5 x 85 x 127 mm
- for FMS convectors

PER-36

SIEMENS RAB21-DC room thermostat

- room thermostat with three-stage speed switch
- for 2-pipe trench convectors with EC fans
- 2-point thermal actuator ON/OFF control
- control of up to 4 RHE-22 thermal actuators
- EC fan control voltage 0–10 V DC
- operating voltage 24 V DC
- protection level IP30
- temperature range setting 8–30 °C
- dimensions (h x w x d): 29 x 96 x 110 mm
- for F1S, F2C convectors

PER-37

SIEMENS RDG260T room thermostat

- room thermostat with weekly programming and three multifunction inputs
- for 2-pipe and 4-pipe trench convectors with EC fans
- control of up to 10 RHE-21, RHE-22 electrothermal actuators per output
- EC fan control voltage 0–10 V DC
- operating voltage 24 V DC
- power consumption 4 W
- commissioning via the PCT GO mobile app
- protection level IP30
- temperature range setting 5–40 °C
- dimensions (h x w x d): 25 x 92 x 134 mm
- for F1S, F2C, F4C convectors

PER-39

SIEMENS RDG200T room thermostat

- room thermostat with weekly programming and three multifunction inputs
- for 2-pipe and 4-pipe trench convectors with EC fans
- control of up to 20 RHE-12 electrothermal actuators per output
- EC fan control voltage 0–10 V DC
- operating voltage 230 V AC
- power consumption 7 W
- commissioning via the PCT GO mobile app
- protection level IP30
- temperature range setting 5–40 °C
- dimensions (h x w x d): 25 x 92 x 134 mm
- for F2V, F4V convectors

RELE

This auxiliary relay increases the number of connected thermal actuators

- supply voltage 24 V DC
- switching current 16 A
- up to 60 connected thermal actuators (24 V or 230 V)
- DIN rail mounting
- protection level IP20
- dimensions (h x w x d): 64 x 17.6 x 90 mm

DC voltage source

DC voltage source for DIN rail

- We recommend ordering a power supply with an input power at least 20 % higher than the total calculated input power of the convectors.

power supply size	30 W	60 W	100 W	120 W	240 W
input supply voltage	180–264 V AC	180–264 V AC	180–264 V AC	85–264 V AC	24 V DC/2.5 A
output voltage	24 V DC/1.25 A	24 V DC/2.50 A	24 V DC/4.15 A	24 V DC/5.00 A	24 V DC/10.00 A
dimensions (h x w x d)	56 X 62.5 X 93	56 X 78 X 93	56 X 100 X 93	118.5 X 50 X 121	118.5 X 85 X 121
ordering code	DRP-24V-030W	DRP-24V-060W	DRP-24V-100W	DRP-24V-120W	DRP-24V-240W

Thermostatic head

OVENTROP thermostatic head with M30 x 1.5 thread

- temperature setting range 7–28 °C
- dimensions (h x w x d): 35 x 34 x 78 mm

colour	white/chrome	chrome/chrome	stainless steel
ordering code	THL-01	THL-02	THL-03

PTL-01
PTL-02

Fan-speed restriction kit

- the fan switches on when the water temperature in the heat exchanger reaches 40 °C
- no cold air blows into the room when turning on the heate

- PTL-01 is only used with an F1S convector
- PTL-02 is only used with the fan-assisted free-standing convectors Aura Electric and Aura Scandi Electric

WZA connection cover

For WBF and WKF free-standing convectors

Ordering code

Type	Convector width	Cover length	Colour
WZA - connection cover	09 = 96 mm	100 = 185 mm	04 = RAL 9016
	14 = 146 mm		06 = RAL 9005
	19 = 186 mm		09 = RAL 9007
	24 = 236 mm		

Example: WZA-09-100-04

Note: when installing the WZA connection cover, it is necessary to rotate the convector leg from the standard position

WZB leg cover

For WBF and WKF free-standing convectors

Ordering code

Type	Convector width	Cover length	Colour
WZB = leg cover	09 = 96 mm	100 = 51 mm	04 = RAL 9016
	14 = 146 mm		06 = RAL 9005
	19 = 186 mm		09 = RAL 9007
	24 = 236 mm		

Example: WZB-09-100-04

WZS-01

Conversion mounting kit for centre connection of 186 mm-wide convectors

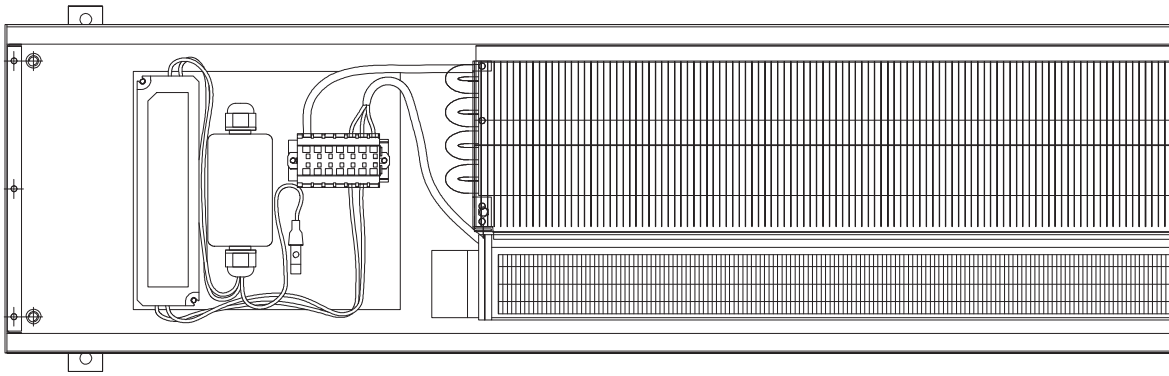
- length 10 cm
- maximum operating pressure 10 bar
- maximum operating temperature 100 °C
- package contains 1 each of: bellows, nut, gasket, ring, fitting

WZS-02

Conversion mounting kit for centre connection of 146 and 236 mm-wide convectors

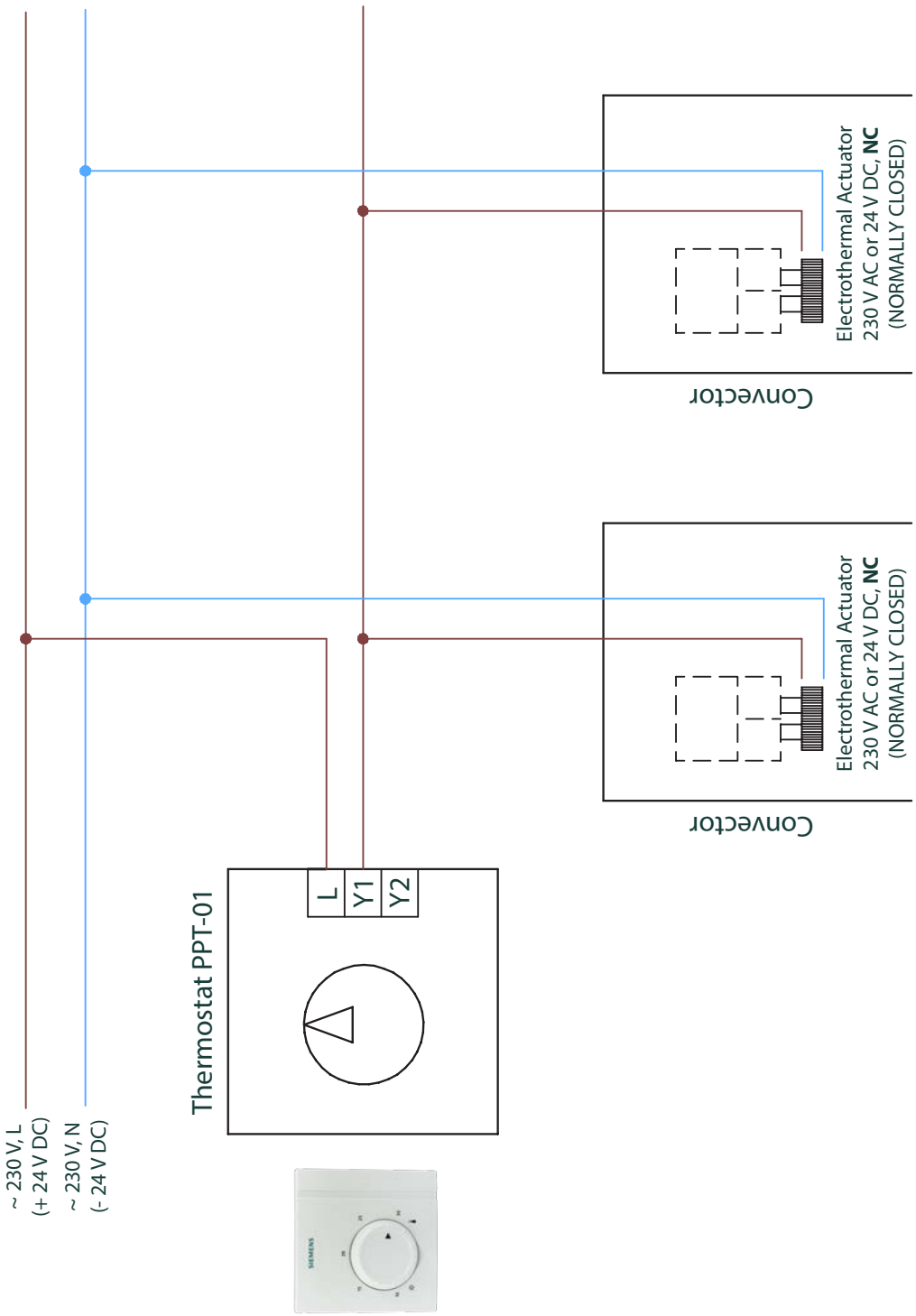
- length 10 cm
- maximum operating pressure 10 bar
- maximum operating temperature 100 °C
- package contains 2 each of: bellows, nut, gasket, ring, fitting

10 Wiring diagrams



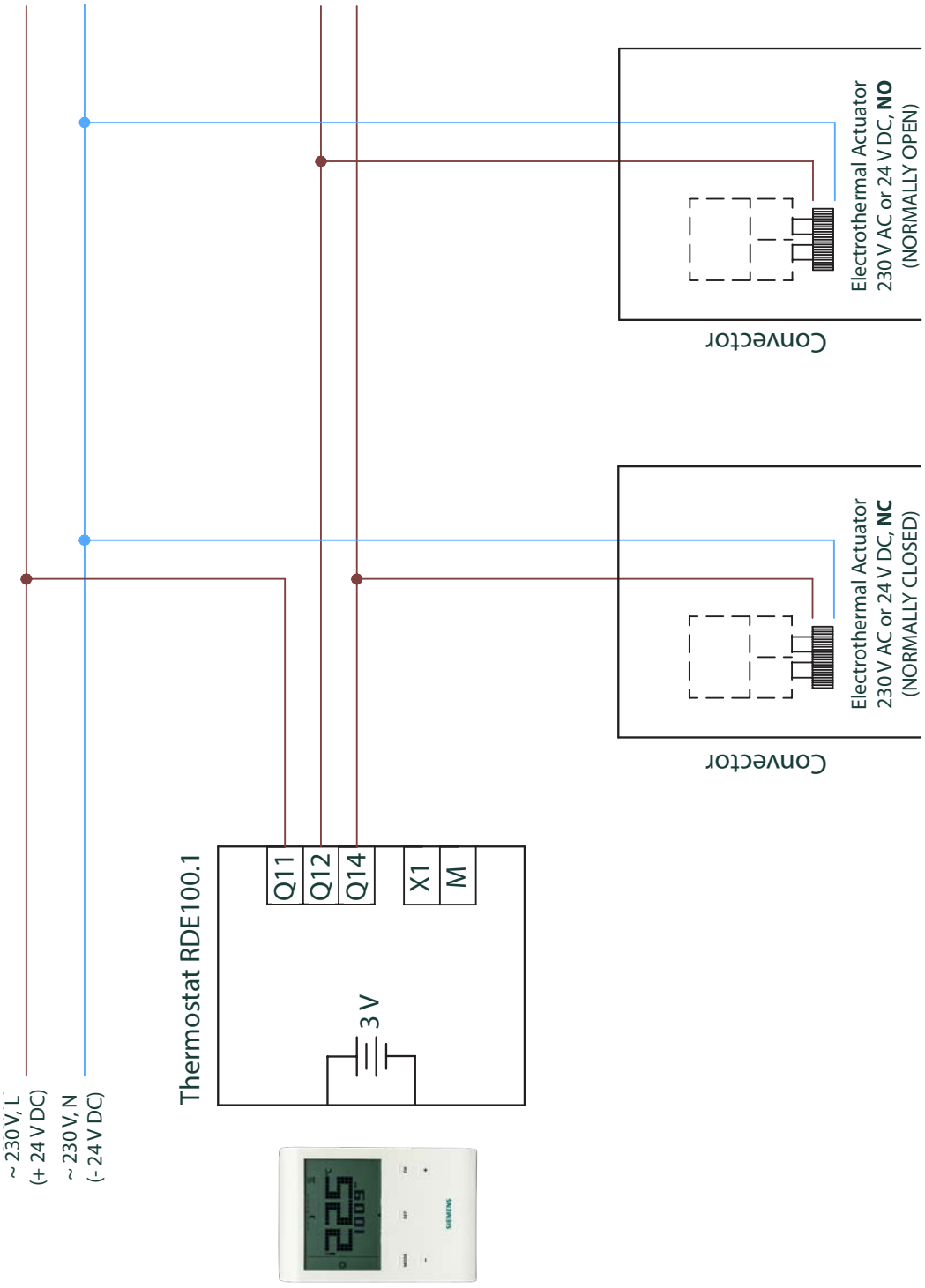
Block diagram No. 1

FMS trench convector connected to a PPT-01 thermostat



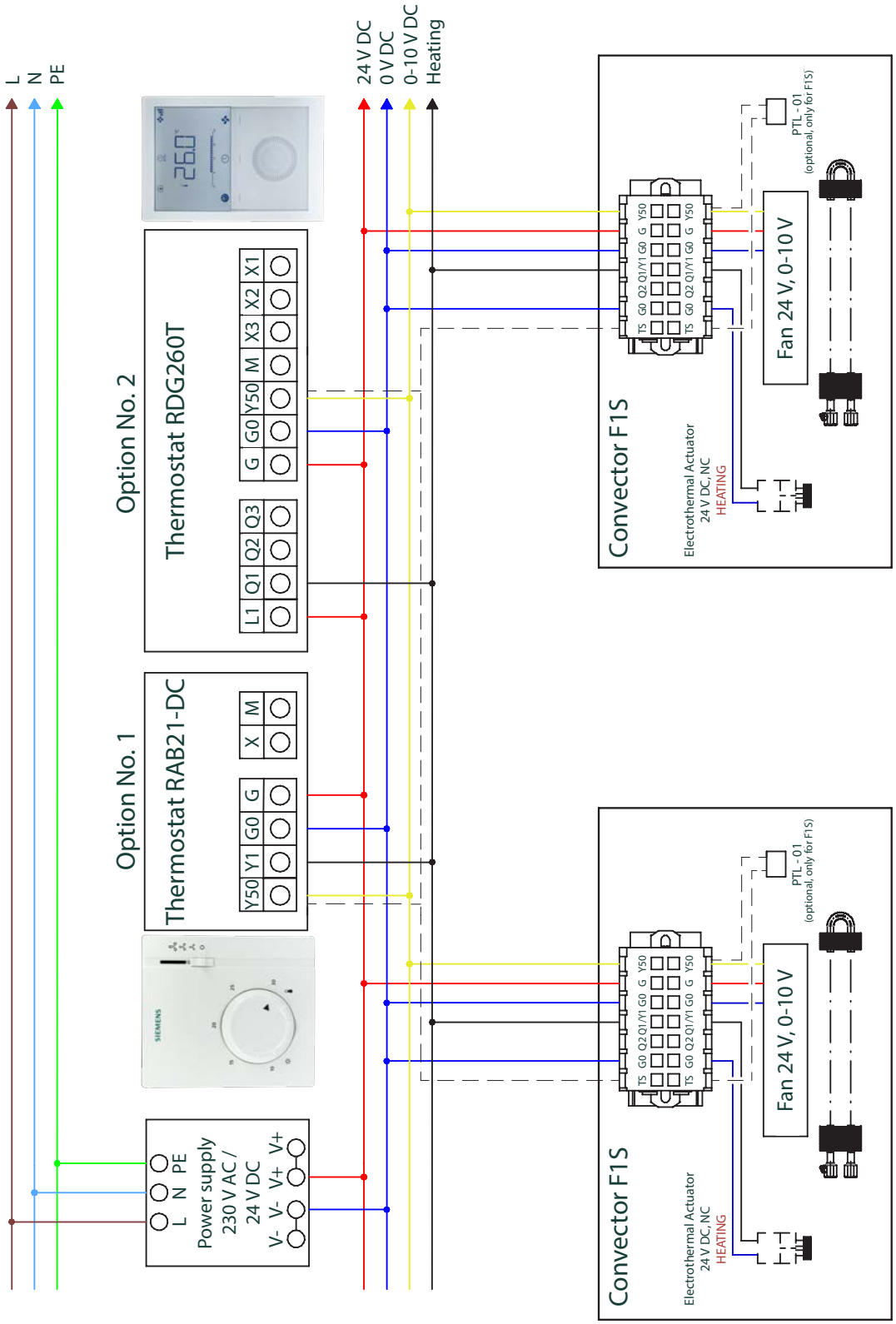
Block diagram No. 2

FMS trench convector connected to a PER-35 thermostat



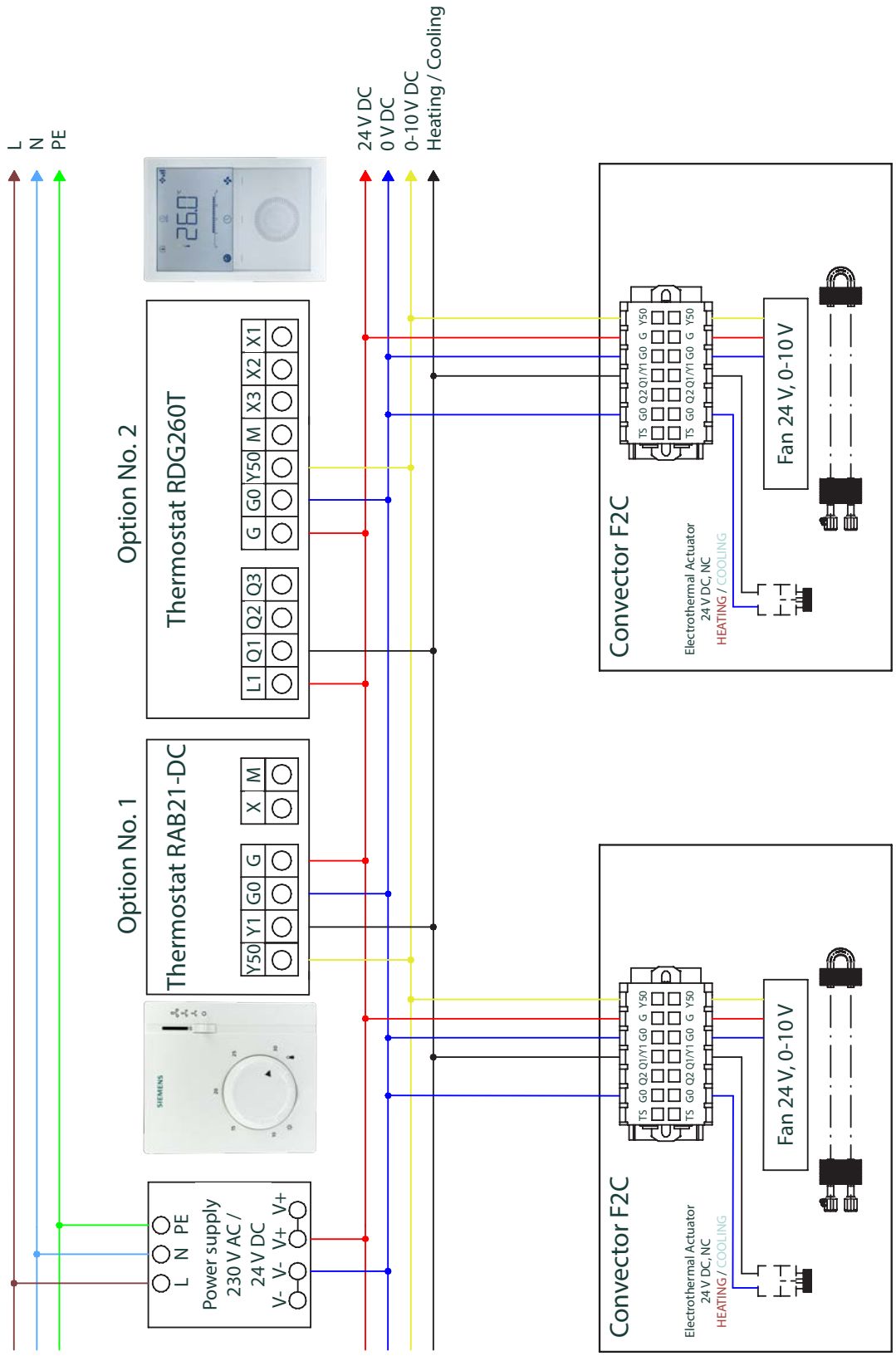
Block diagram No. 3

F1S trench convector connected to a PER-36 or PER-37 thermostat



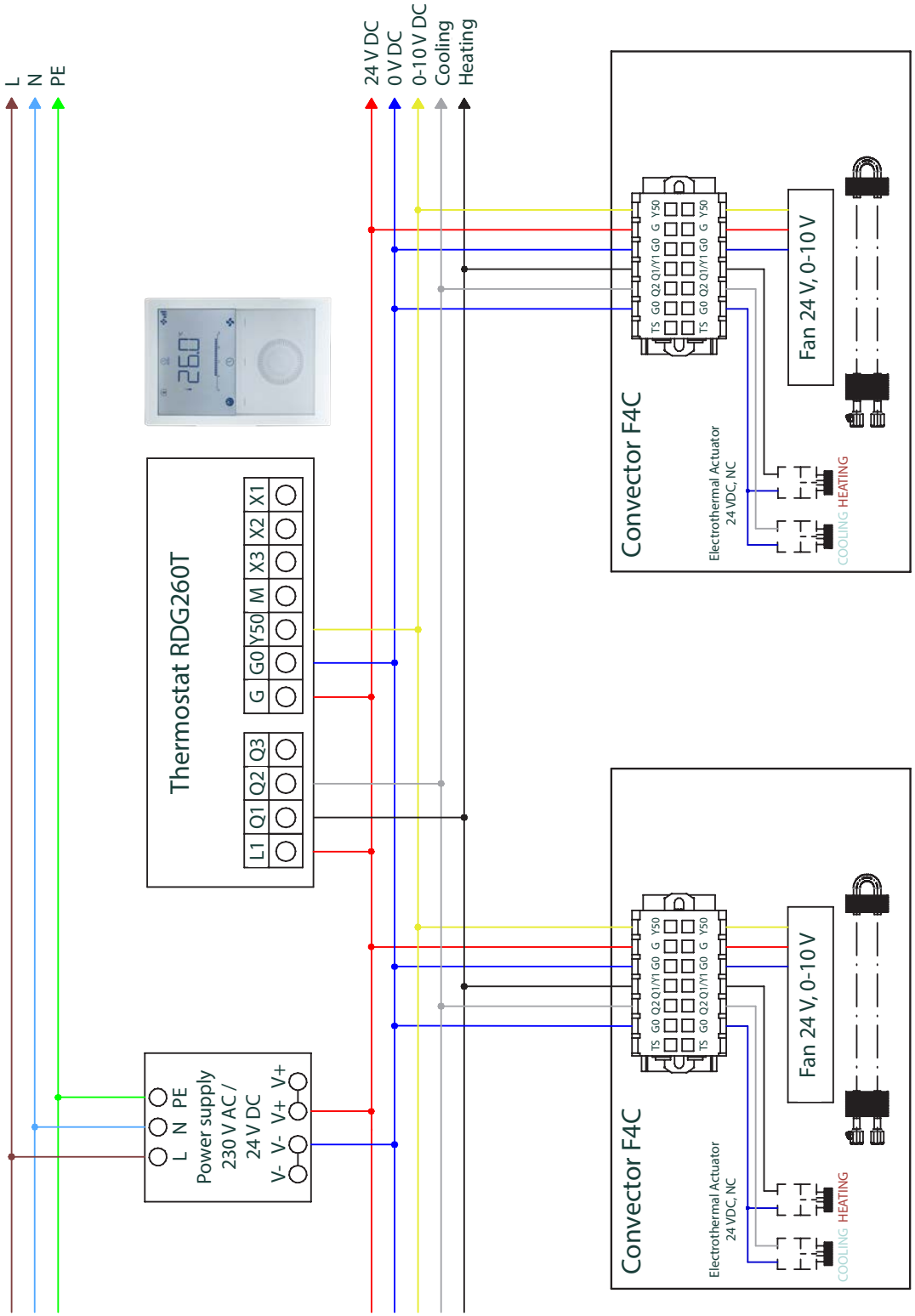
Block diagram No. 4

F2C trench convector connected to a PER-36 or PER-37 thermostat



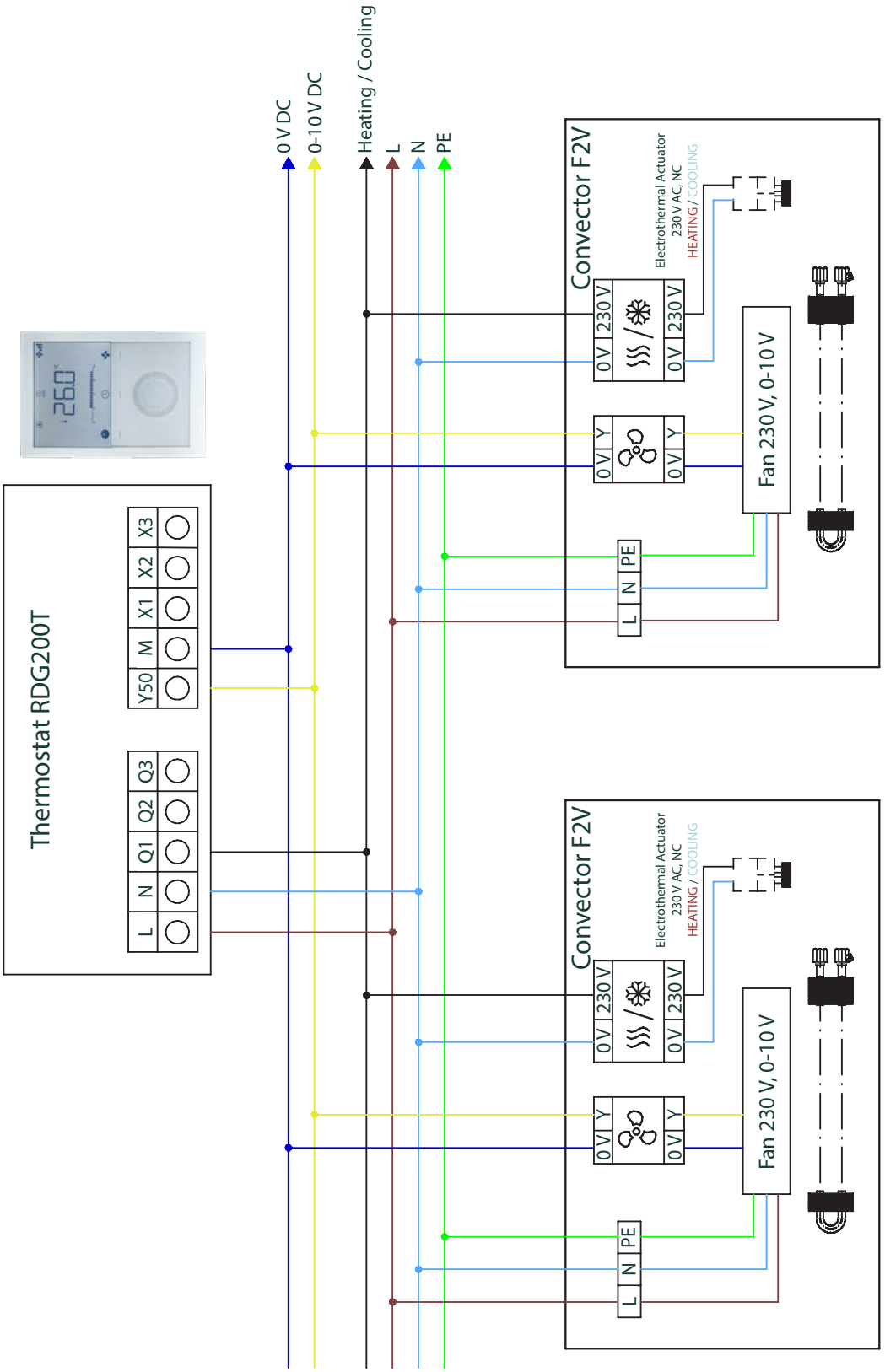
Block diagram No. 5

F4C trench convector connected to a PER-37 thermostat



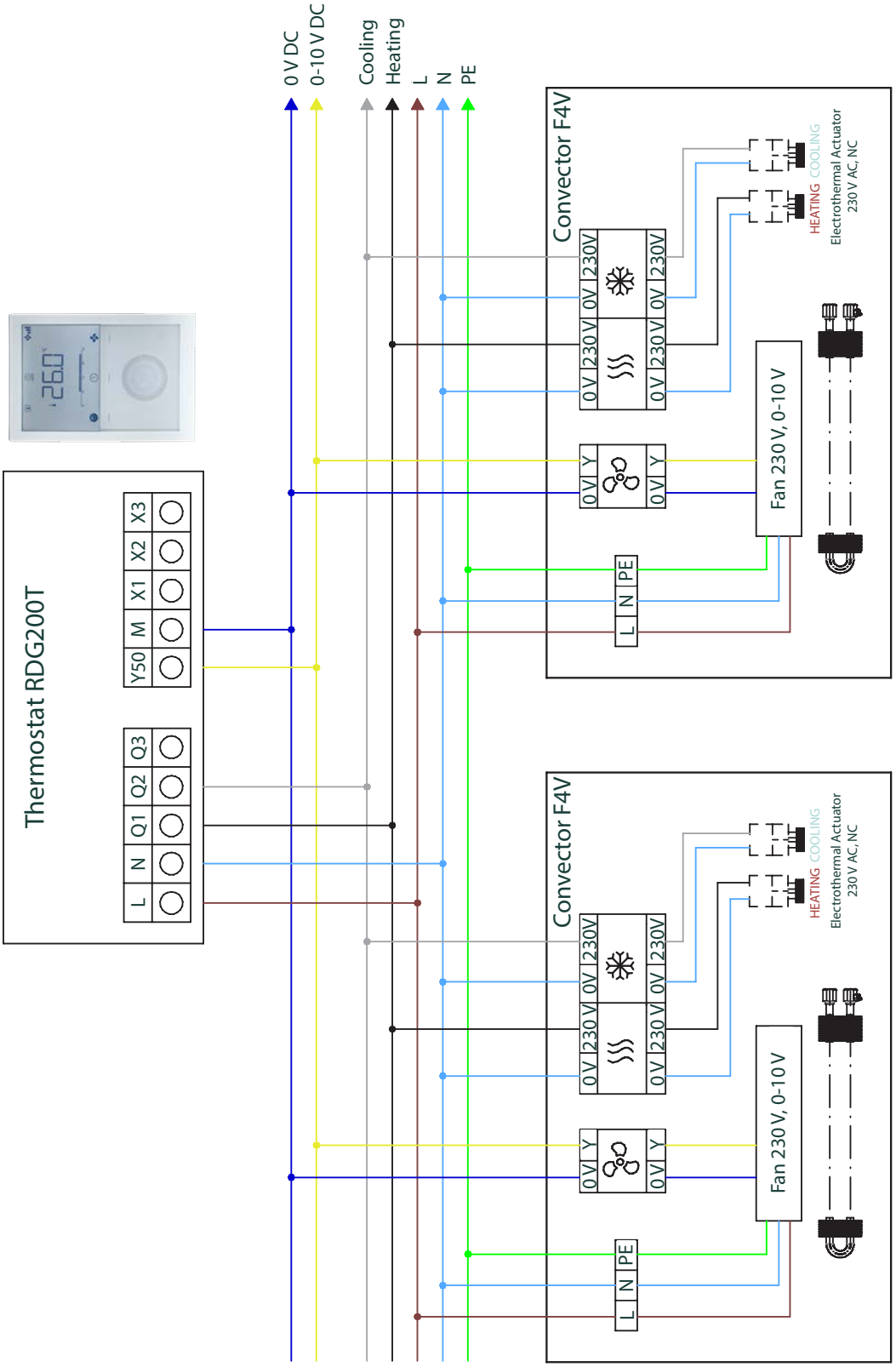
Block diagram No. 6

F2V trench convector connected to a PER-39 thermostat



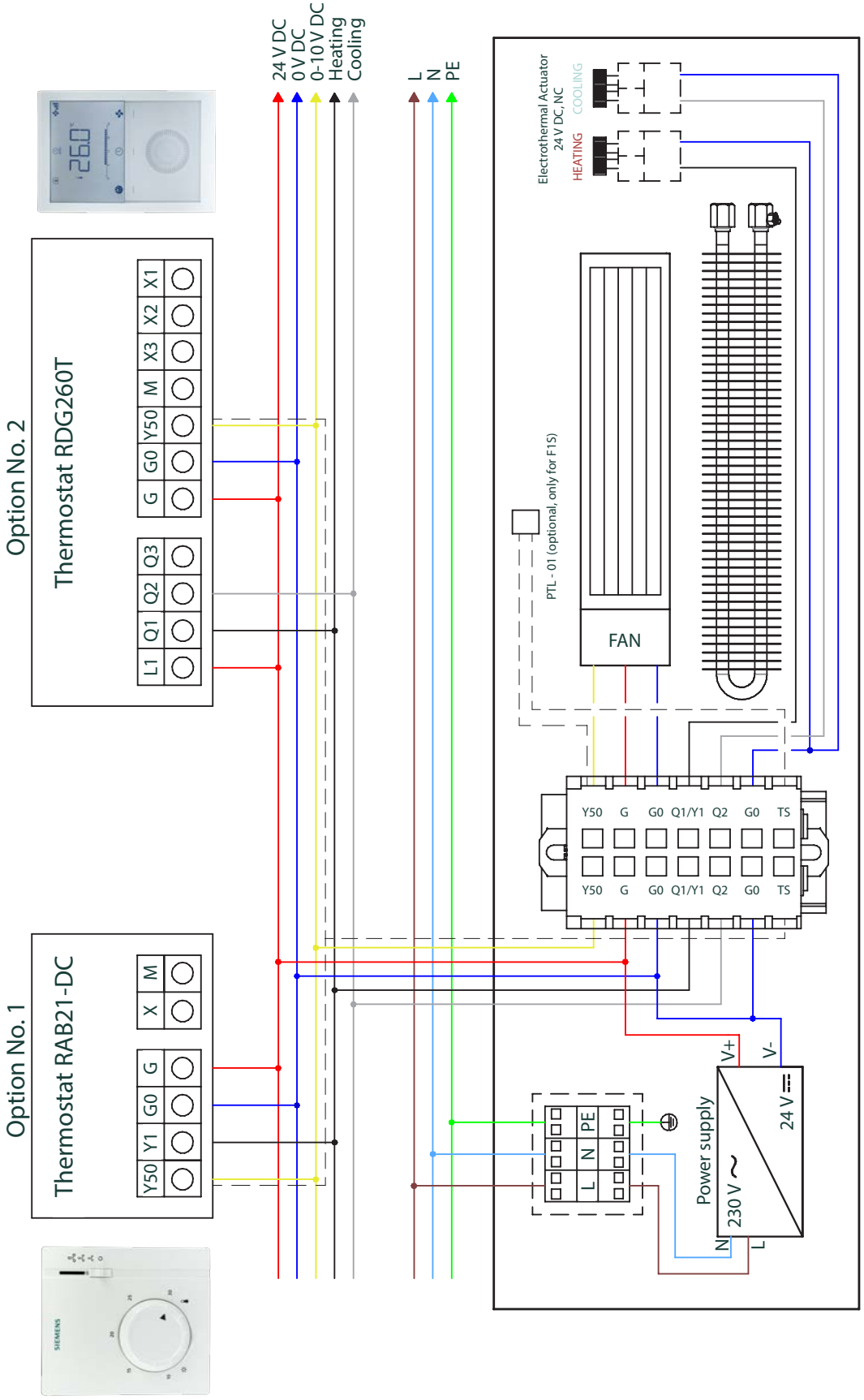
Block diagram No. 7

F4V trench convector connected to a PER-39 thermostat



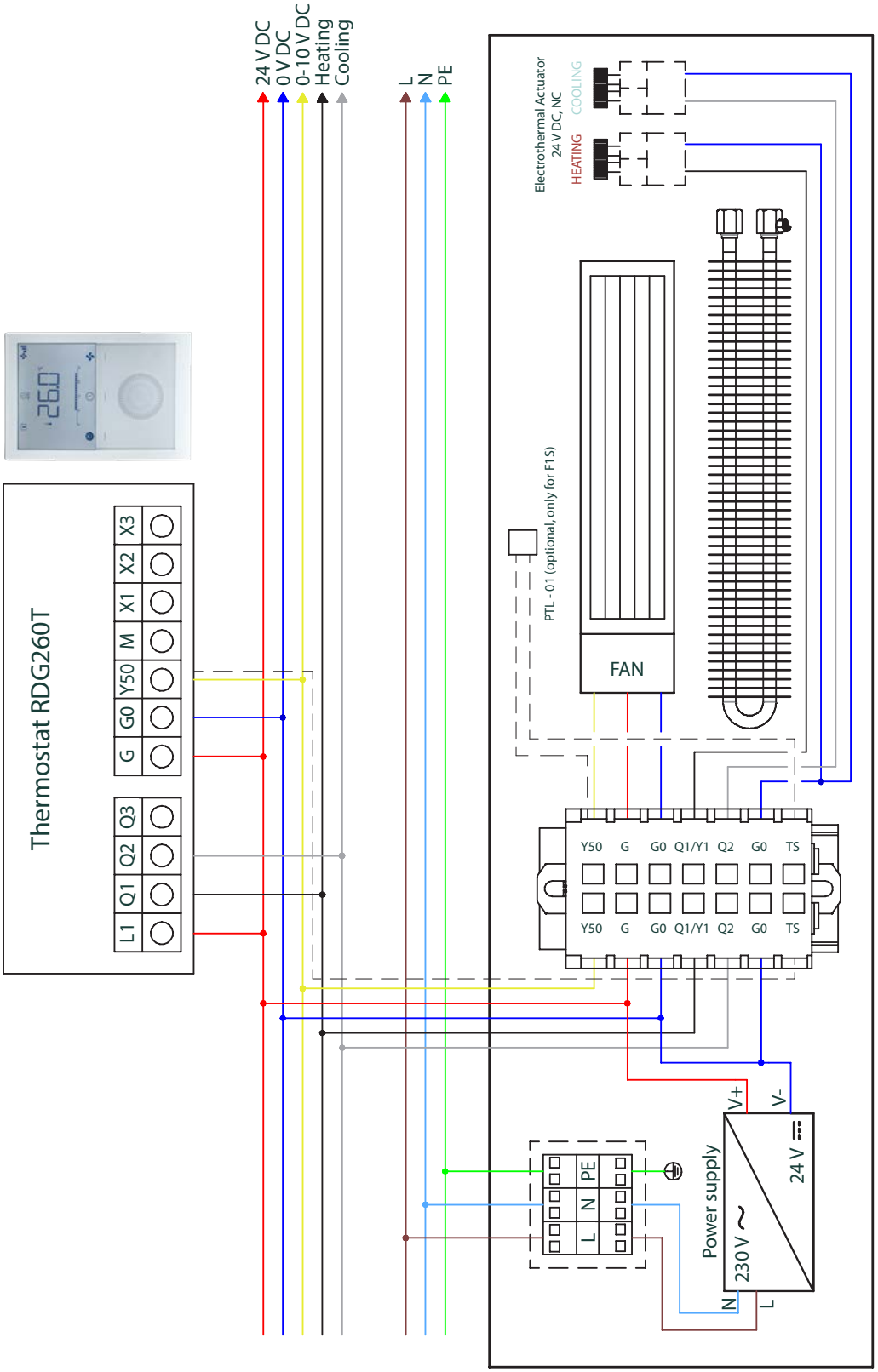
Block diagram No. 8

F1S, F2C trench convector with transformer in the convector duct connected to a PER-36 or PER-37 thermostat



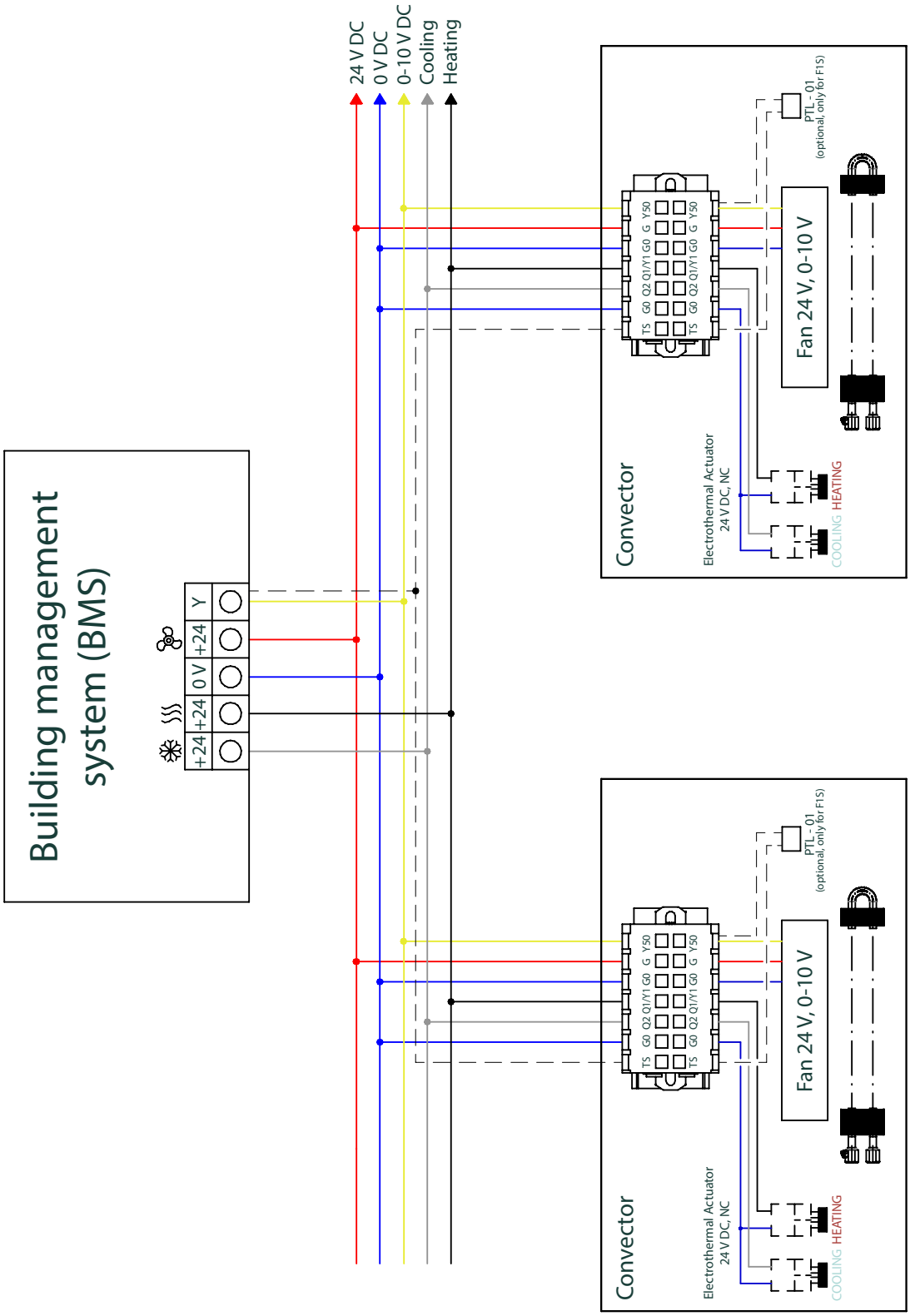
Block diagram No. 9

F4C trench convector with transformer in the convector duct connected to a PER-37 thermostat



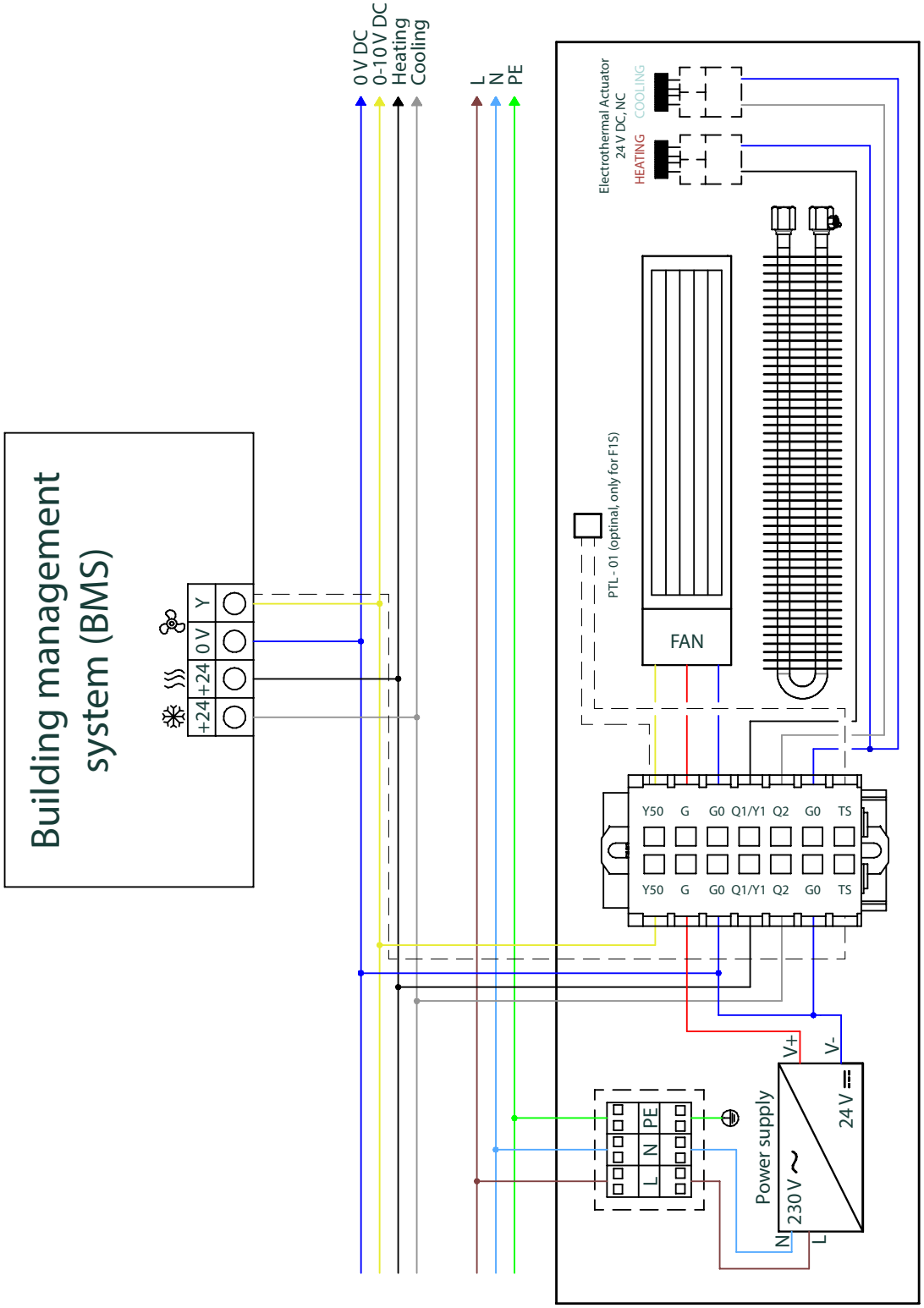
Block diagram No. 10

F1S, F2C, F4C trench convector connected to a BMS



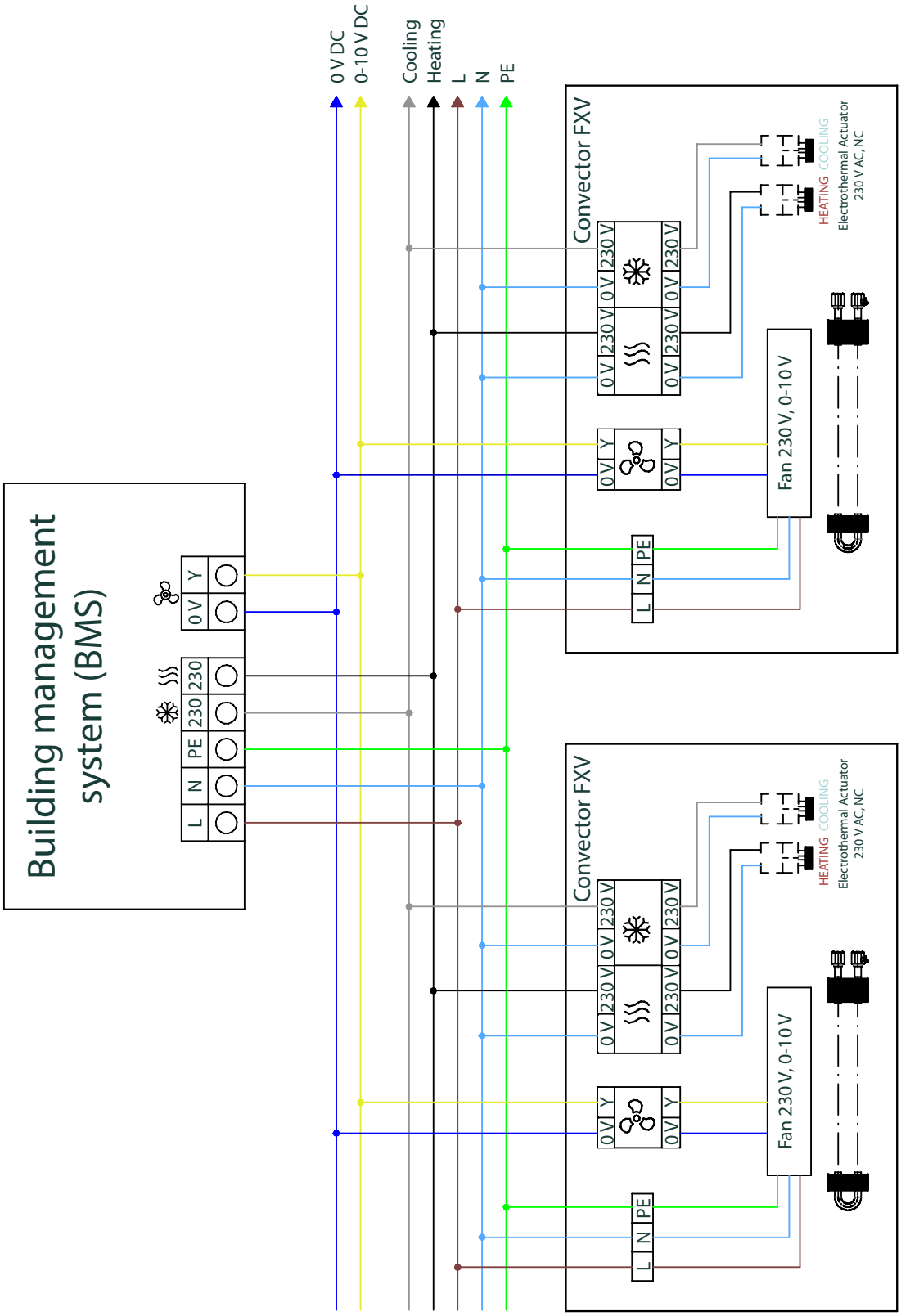
Block diagram No. 11

F1S, F2C, F4C trench convector with transformer in the convector duct connected to a BMS



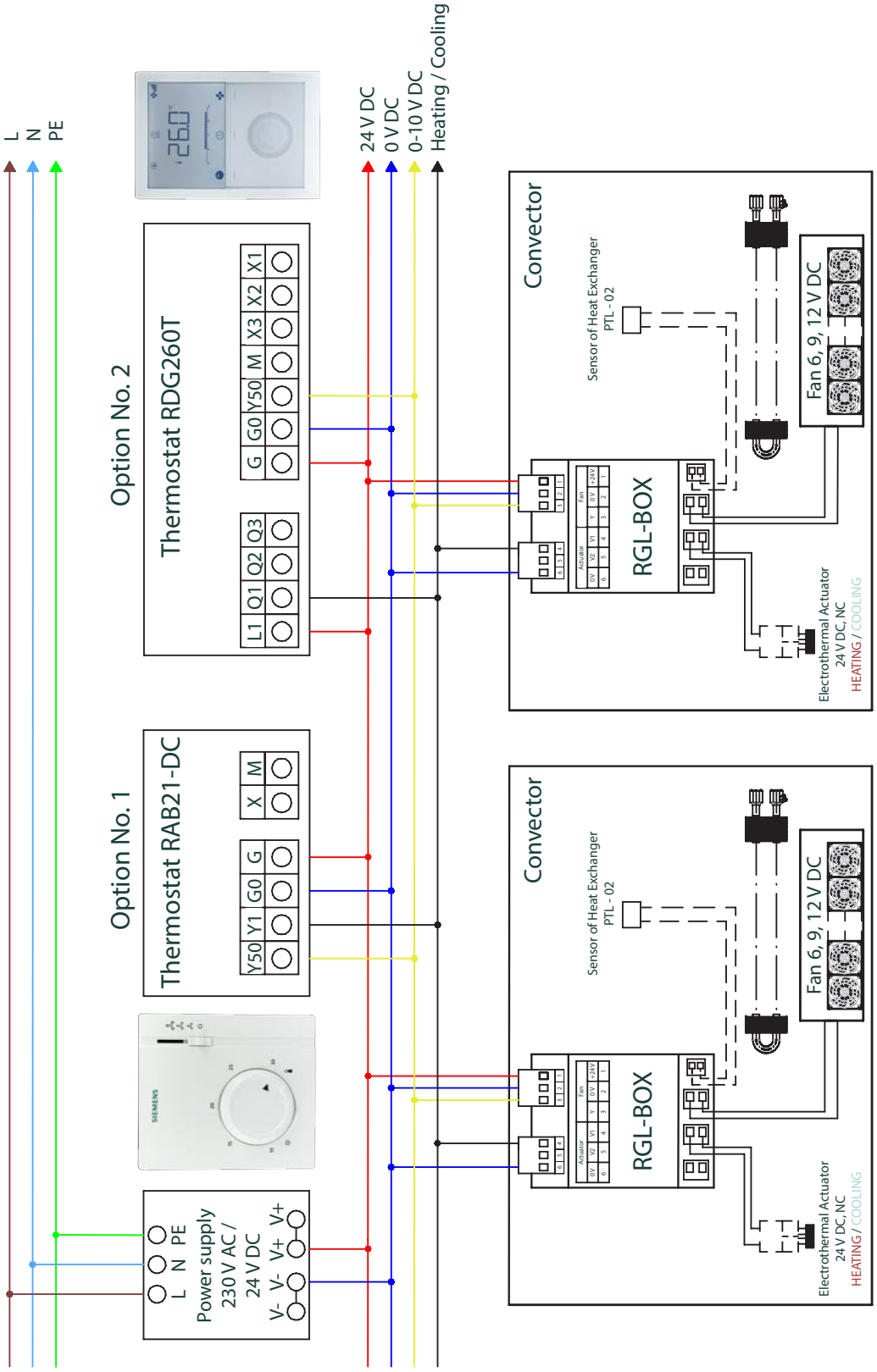
Block diagram No. 12

F2V and F4V trench convector connected to a BMS



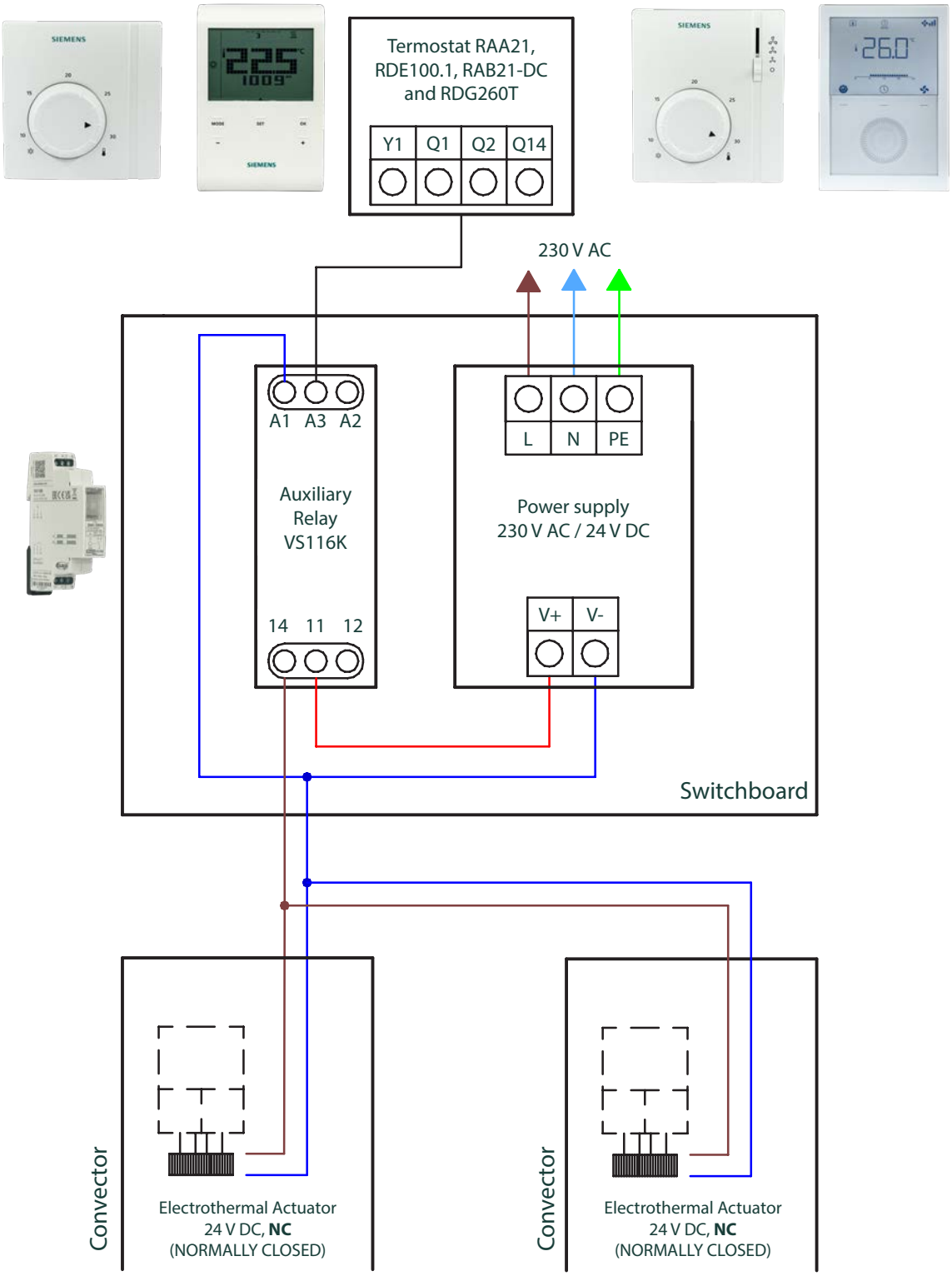
Block diagram No. 13

WKEL and Aura Scandi Electric free-standing convector connected to a PER-36 or PER-37 thermostat



Block diagram No. 14

Auxiliary relay to increase the number of RHE-22 thermal actuators for FMS, F1S, F2C, F4C convectors and PPT-01, PER-35, PER-36, PER-37 thermostats



BOKI Industries a.s.
Na Perštýně 362/2
110 00 Prague

+ 420 545 216 104
heating@bokiindustries.com

eshop.bokiindustries.de

bokiheating.com