



FREESTANDING CONVECTORS SC-H

 FOR HEATING

 NATURAL CONVECTION

- 288 models x 3 types
- Perfect for rooms where installation of trench convectors not possible
- Attractive classic design
- Tested according to EN442 in independent accredited laboratory
- 10 year warranty for heat exchangers
- Safe casings - all sharp edges are rounded
- Low heights (from 14,5 cm) - not obstructive for large windows
- Exceptional rigidity: can withstand weight of few people
- Highly efficient, rapid and economic copper - aluminium heat exchangers
- Possibility to install on the floor or on the wall
- Good compatibility with heat pumps
- Low surface temperature even at max heating output
- Easy installation and maintenance



2024



SC-H



FREESTANDING CONVECTORS **SC-H**

Freestanding convectors SC-H operate on the principle of **natural convection** and are an economic alternative to trench heaters. Their heating capacity is high, which means they may be used as the main heaters for low to medium energy performance buildings.

Due to **extremely low inertia**, can quickly increase and precisely maintain the set room temperature, **providing the room with exactly as much heat as you require just when it is required.**

Create an effective warm air curtain for large windows, without allowing cold to penetrate the premises. The heat is perfectly distributed throughout the room.

The standard colour is white, but they **are also available in other RAL standard colours on request.**

Classic design and wide range of colour options **allow** the convectors to be **adapted to a wide range of the interior designs and styles**, while the low casing will **not obstruct the view through the window.**

The casings are **safe**: they have no sharp edges and do not reach temperatures over 40°C.

The design is simple and has been created for a **fast and easy installation.**

SC-H



10-year warranty for heat exchangers

We are confident in the longevity of our heat exchangers; therefore, we provide them with a 10-year guarantee.



Tested according to EN442

The outputs of freestanding convectors SC-H have been tested by independent accredited laboratories according to the latest standards.

With us, 1 kW means 1 kW.



Maximum operating pressure 25 bar

All the devices are **factory tested** for leaks at a pressure of **30 bar**. The maximum maintained pressure (strength limit) is **110 bar**. Konveka devices easily withstand hydraulic tests and hydraulic shocks and can be installed in extremely tall buildings.



Noiseless

Completely noiseless operation



Reinforced casings

Casings of convectors SC-H are very sturdy: they can maintain the weight of few people



Small water content

Due to small water content convectors SC-H have extremely low inertia. Thus, they precisely maintain set room temperature avoiding redundant overheating



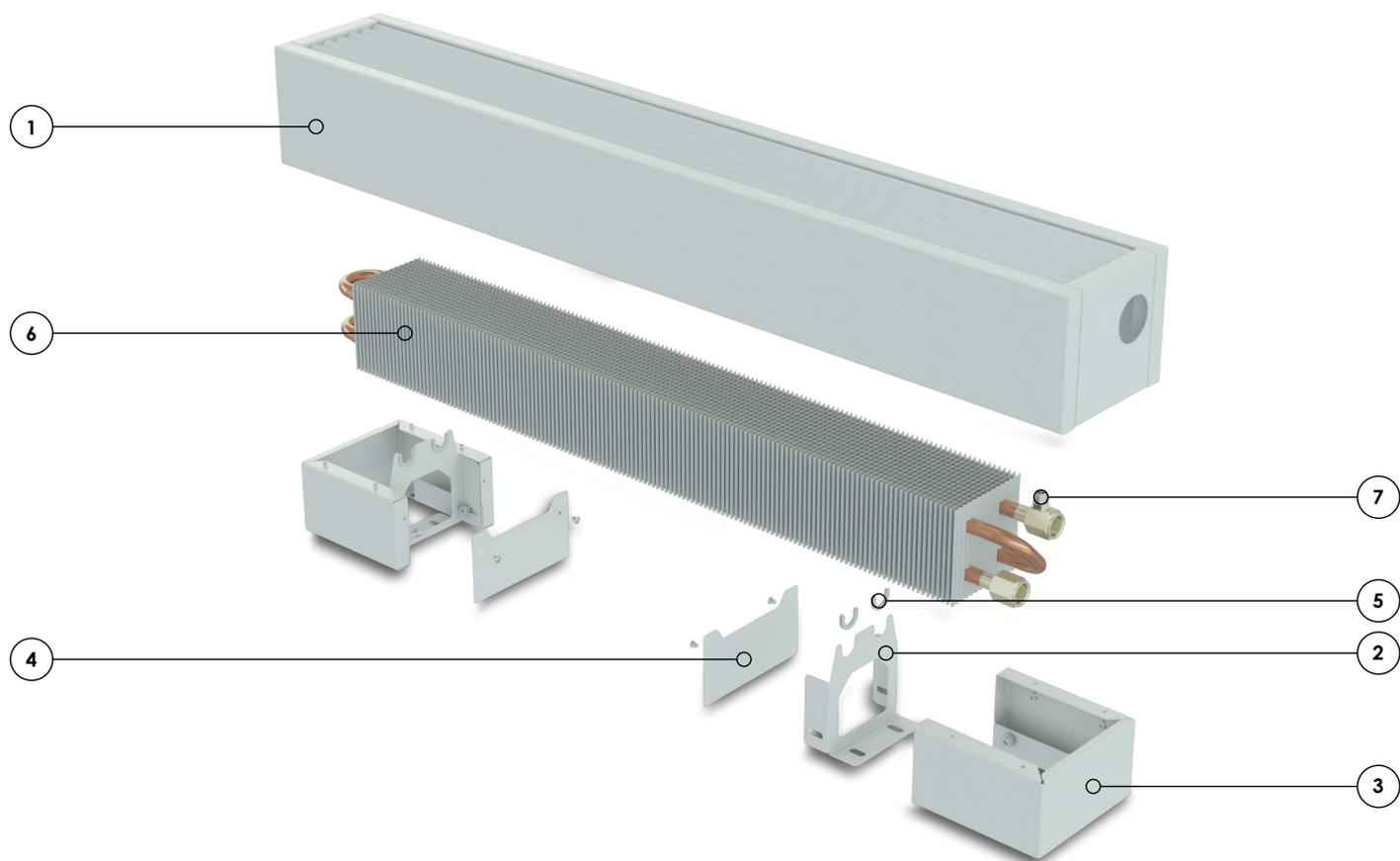
Easy and fast installation

Convectors SC designed for easy and fast installation and maintenance

OVERVIEW

STANDARD SET	5
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288 models	
Length	from 60 to 290 cm
Width	15, 20 and 25 cm
Height	14,5; 21,5; 26,5 and 33 cm
Heat output	up to 5 095 W
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STANDARD SET



- ① Powder coated steel casing
- ② Powder coated steel brackets
- ③ Powder coated steel pipe covers
- ④ Powder coated steel covers
- ⑤ Heat exchanger fixing-protection elements
- ⑥ Copper aluminium heat exchanger

- ⑦ Air vent
- All fasteners required for installation
- Installation manual
- 5 layer 2 parts cardboard box, additionally used for device protection during installation and construction works

TECHNICAL DETAILS



Dimensions

Length	from 60 to 290 cm
Width	15, 20 and 25 cm
Height	14,5; 21,5; 26,5 and 33 cm

Colour

Standard colour	white, RAL 9016
	any RAL colour - optional

Connections to the heating system

Heat exchanger thread	G 1/2" (inner)
Standart conection side	right
Optional conection side	left

Max operating pressure	25 bar
Max operating temperature	2 - 120°C

EN442 certified heat outputs, W (75/65/20°C)

Width, cm	Height, cm	Length, cm																							
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
15	14,5	169	226	270	315	360	405	450	495	540	586	631	676	649	694	763	808	853	899	944	989	1 034	1 080	1 125	1 170
	21,5	259	345	412	481	550	619	688	757	826	895	964	1 033	991	1 061	1 165	1 235	1 304	1 373	1 442	1 511	1 581	1 650	1 719	1 788
	26,5	308	411	491	573	655	737	819	901	983	1 066	1 148	1 230	1 181	1 263	1 388	1 470	1 553	1 635	1 718	1 800	1 883	1 965	2 047	2 130
	33	357	477	569	665	760	855	951	1 046	1 141	1 237	1 332	1 427	1 370	1 466	1 610	1 706	1 802	1 898	1 993	2 089	2 184	2 280	2 376	2 471
20	14,5	252	327	419	486	553	620	688	760	828	895	963	1 030	987	1 055	1 159	1 227	1 295	1 363	1 431	1 499	1 567	1 635	1 702	1 770
	21,5	388	517	618	721	825	928	1 032	1 135	1 239	1 342	1 446	1 549	1 487	1 591	1 748	1 852	1 956	2 060	2 163	2 267	2 371	2 475	2 578	2 682
	26,5	459	596	762	884	1 006	1 129	1 252	1 383	1 506	1 629	1 752	1 875	1 796	1 920	2 109	2 233	2 356	2 480	2 604	2 727	2 851	2 975	3 098	3 222
	33	533	711	849	992	1 134	1 276	1 418	1 560	1 702	1 845	1 987	2 129	2 044	2 187	2 402	2 545	2 688	2 831	2 973	3 116	3 259	3 401	3 544	3 686
25	14,5	354	472	564	658	753	847	941	1 036	1 130	1 224	1 319	1 413	1 357	1 452	1 594	1 689	1 784	1 879	1 974	2 068	2 163	2 258	2 352	2 447
	21,5	542	722	863	1 007	1 152	1 296	1 441	1 585	1 729	1 874	2 018	2 163	2 076	2 222	2 440	2 585	2 731	2 876	3 021	3 165	3 310	3 455	3 600	3 745
	26,5	625	834	996	1 163	1 330	1 496	1 663	1 830	1 996	2 163	2 330	2 497	2 397	2 565	2 817	2 985	3 152	3 320	3 487	3 654	3 821	3 989	4 156	4 323
	33	709	945	1 129	1 318	1 507	1 696	1 885	2 074	2 263	2 452	2 642	2 831	2 718	2 908	3 194	3 384	3 574	3 764	3 953	4 143	4 333	4 522	4 712	4 901

Heat outputs at specific temperatures are available at www.konveka.com

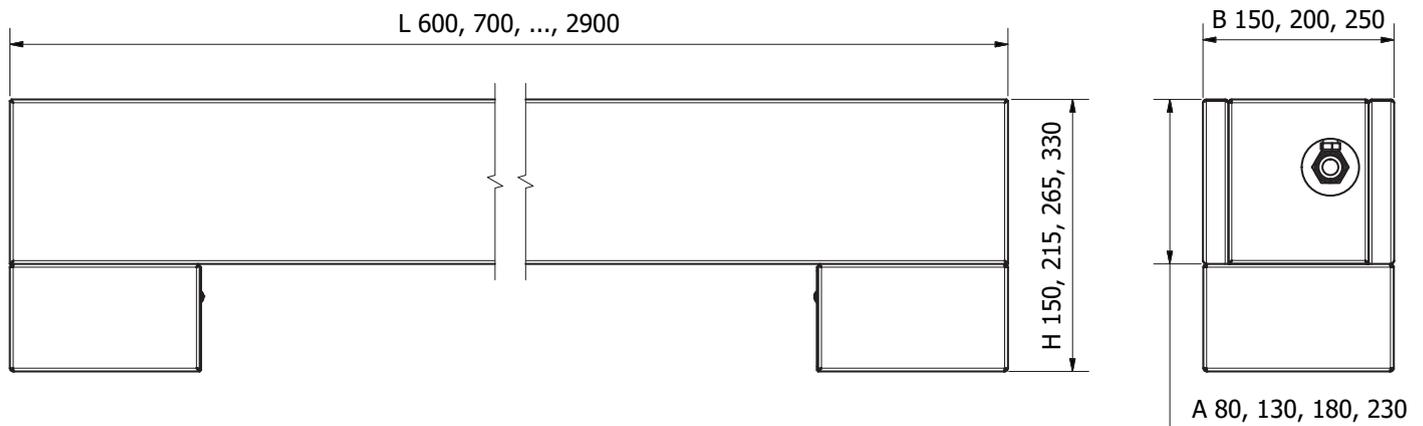
Pressure losses

Width, cm	Height, cm	MAX flow	MAX power	Formulas for pressure losses, Pa
15	8	122	1 420	$(L-0,2) \times (0,0074 \times q^2 - 0,0501 \times q + 0,0796)$
	13	190	2 204	$(L - 0,2) \times (0,0078 \times q^2 + 1,309 \times q - 20,44)$
20	18	226	2 627	$(L-0,2) \times (0,0111 \times q^2 + 2,2429 \times q - 58,22)$
	23	246	2 858	$(L-0,2) \times (0,0157 \times q^2 + 2,6179 \times q - 40,88)$
	8	171	1 986	$(L - 0,24) \times (0,0022 \times q^2 + 0,304 \times q + 4,12)$
	13	265	3 083	$(L - 0,2) \times (0,0111 \times q^2 + 2,2429 \times q - 58,22)$
	18	316	3 676	$(L - 0,24) \times (0,0084 \times q^2 + 0,5728 \times q + 14,976)$
25	23	344	3 998	$(L - 0,2) \times (0,0301 \times q^2 + 1,8654 \times q + 5,7952)$
	8	239	2 779	$(L - 0,2) \times (0,0078 \times q^2 + 1,309 \times q - 20,44)$
	13	371	4 314	$(L-0,2) \times (0,0157 \times q^2 + 2,6179 \times q - 40,88)$
	18	442	5 142	$(L - 0,2) \times (0,0301 \times q^2 + 1,8654 \times q + 5,7952)$
	23	481	5 594	$(L-0,2) \times (0,0313 \times q^2 + 5,2215 \times q - 78,19)$

L – Length of trench heater (m) q – Flow of energy carrier (l/h)

DIMENSIONS

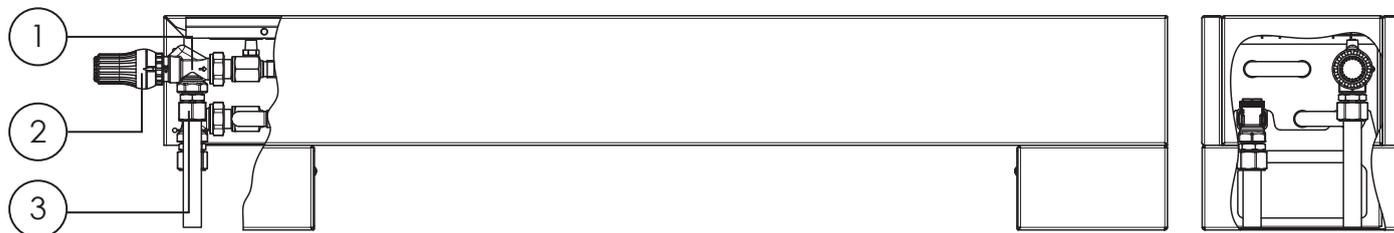
FLOOR MOUNTED CONVECTOR SC-H



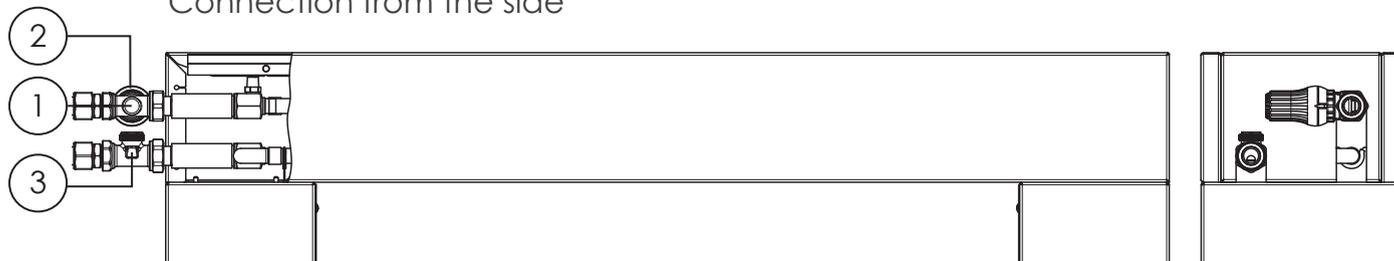
SC-H

EXAMPLE OF CONNECTIONS

Connection from the floor



Connection from the side



- ① Thermostatic valve, axial
 ② Thermostatic head
 ③ Angle lockshield valve

ORDER CODE

Type	Model	Length, cm	Width, cm	Height, cm	Example
SC-H	SC-H	100	15	8	SC-H 100-15-08

ACCESSORIES

THERMOSTATIC VALVE (AXIAL) **TVA15**

Controls flow of energy carrier. Controlled by thermostatic head TH



Controls flow with thermostatic head

Possibility to close flow and disconnect heat exchanger from heating system without draining

DN15 Kvs = 2,00

LOCKSHIELD VALVE (ANGLE) **LA15**

Opens, closes or limits flow of energy carrier



For energy carrier opening, closing and presetting of maximal flow

Possibility to close flow and disconnect heat exchanger from heating system without draining

DN15 Kvs = 1,74

DN20 Kvs = 1,93

THERMOSTATIC HEAD **TH**

Controls preset room temperature



Temperature range 6°C - 28°C

Accuracy - 0,6K

Max temperature limitation

Frost protection

Thread - M30 x 1,5mm

Body material - ABS

ORDER CODES FOR ACCESSORIES

Accessory	Order code
Thermostatic valve (axial)	TVA15
Lockshield valve (angle)	LA15
Capillary thermostatic head	TH

ABOUT KONVEKA

Konveka is a **full production cycle convector manufacturing company** engaged in this activity **since 2005**. The range of products we develop and manufacture is wide: from simple natural convection convectors to complex devices with fans for heating, cooling and ventilation.

Konveka is a manufacturer of high-quality and reliable convectors:

- We provide a **5 - 10 year warranty for all our products** (except their electrical part) without any additional warranty extension fees.
- **The capacities of all our products are determined by independent accredited laboratories** according to current standards. With us, 1kW means 1kW.
- We **do not use cheap, unapproved solutions or use unreliable materials** when designing and manufacturing our devices.

Although we operate in a highly competitive international market, **we are at the forefront where quality, durability and reliability are valued.**

We are well known in **Eastern and Western Europe, Scandinavia, North America and Central Asia**. Konveka products can be seen in many prestigious buildings around the world: administrative buildings, shopping malls, airports, restaurants, theaters, universities, hotels, apartment buildings and individual homes. Visit our website www.konveka.com for more information.

Konveka consistently wins **national awards** (see below) for **reliability, consistency and business growth**.

Our slogan - **“More than you expected”** reflects the quality of our products and technical solutions, which often exceed customer expectations. We value our customers and are happy to be a part of their successful business.





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