

HC



SINGLE-CIRCUIT TRENCH HEATER WITH A FAN



heating



cooling



with a fan



dry environment



CHARACTERISTICS

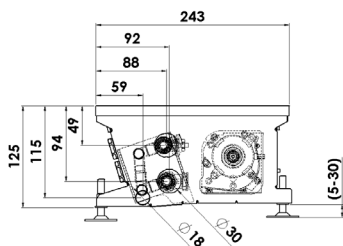
- body made from high quality stainless steel
- high forced convection output
- rapid room heating
- heating also when the fan is off
- designed also for cooling
- designed for dry (EC motor) and also for wet (AC motor) environment
- safe 12 V DC / 12 AC voltage
- low electricity consumption
- also suitable for heat pump

DIMENSIONS

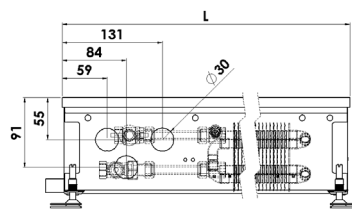
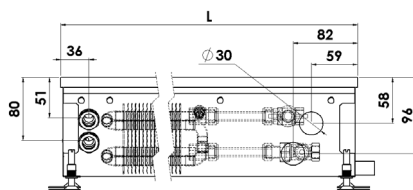
width - with standard frame	243 mm
width - with covering frame	269 mm
height	125 mm
length	900 - 3000 mm
connection *	G3/8"

* external thread on the heat-exchanger, without water connection accessories

CROSS SECTION



LONGITUDINAL SECTION

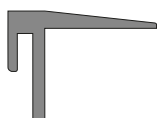


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

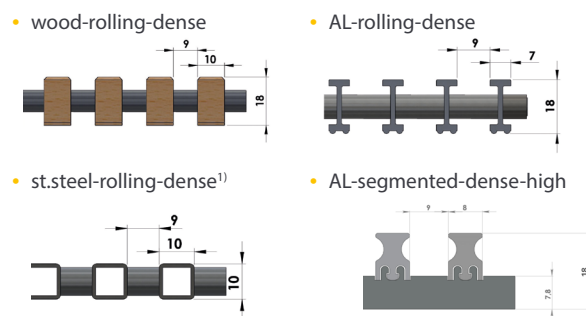


GRILLES - materials



(shades of the grilles are only illustrative)

GRILLES - profile



1) the grille must be ordered with the convector due to the modification of the convector construction

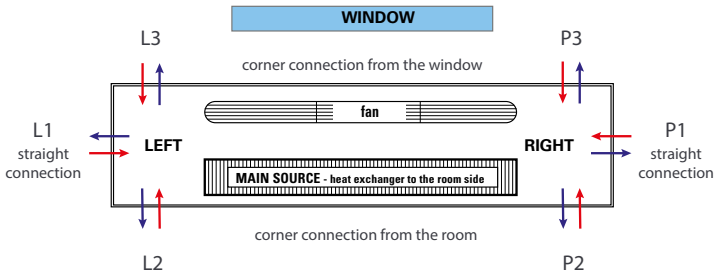
Standard grilles are transverse, if you are interested in LONGITUDINAL GRILLES, please contact your sales representative.

Convectors are designed to the CONCRETE FLOOR, in case of HOLLOW FLOOR installation, please consult with your sales representative.

The standard delivery includes convector and anchoring accessories. All other accessories (grille, connection accessories, control elements, etc.) must be ordered and specified separately.

As a part of the product development, MINIB, a.s. reserves the right of construction and price adjustments.

ORIENTATION AND CONNECTION OF THE CONVECTOR



If the convector is used as an additional heat source which prevents the condensation of the window (exchanger position at the window side), please consult with your sales representative. Combination of the exchanger position (room side/window side), convector type (left/right) and water connection (straight/corner) must be specified with the order of the convector.

HEATING OUTPUT

length L [mm]	heating output Q [W]				
	input/output water temperature [°C]	speed			
		speed 0	speed 1	speed 2	speed 3
		air temperature tA = 20°C			
09 = 900	85/75	119	1041	1319	1579
	75/65	100	868	1101	1318
	65/55	80	696	882	1056
	45/40	45	393	499	597
10 = 1000	85/75	139	1214	1539	1843
	75/65	116	1013	1284	1538
	65/55	93	812	1029	1232
	45/40	53	459	582	696
12 = 1250	85/75	189	1648	2089	2501
	75/65	158	1375	1743	2087
	65/55	126	1102	1397	1672
	45/40	71	623	789	945
15 = 1500	85/75	238	2081	2639	3159
	75/65	199	1737	2202	2636
	65/55	159	1392	1765	2112
	45/40	90	787	997	1194
17 = 1750	85/75	288	2515	3188	3817
	75/65	240	2099	2661	3185
	65/55	193	1682	2132	2553
	45/40	109	950	1205	1442
20 = 2000	85/75	338	2949	3738	4475
	75/65	282	2461	3119	3734
	65/55	226	1972	2500	2993
	45/40	128	1114	1413	1691
22 = 2250	85/75	387	3382	4288	5133
	75/65	323	2823	3578	4283
	65/55	259	2262	2868	3433
	45/40	146	1278	1620	1940
25 = 2500	85/75	437	3816	4838	5791
	75/65	365	3184	4037	4833
	65/55	292	2552	3235	3873
	45/40	165	1442	1828	2188
27 = 2750	85/75	487	4250	5387	6449
	75/65	406	3546	4496	5382
	65/55	326	2842	3603	4313
	45/40	184	1606	2036	2437
30 = 3000	85/75	537	4683	5937	7107
	75/65	448	3908	4954	5931
	65/55	359	3132	3971	4753
	45/40	203	1770	2243	2686

COOLING OUTPUT

length L [mm]	cooling output Q [W]			
	input/output water temperature [°C]	relative humidity	speed	
			speed 2	speed 3
			air temperature tA = 27°C	
09 = 900	7/12	sensitive	327	438
	7/12	50%	416	556
	16/18	sensitive	187	250
	16/18	50%	187	250
10 = 1000	7/12	sensitive	382	511
	7/12	50%	485	649
	16/18	sensitive	218	292
	16/18	50%	218	292
12 = 1250	7/12	sensitive	518	693
	7/12	50%	659	881
	16/18	sensitive	296	396
	16/18	50%	296	396
15 = 1500	7/12	sensitive	655	876
	7/12	50%	832	1113
	16/18	sensitive	374	500
	16/18	50%	374	500
17 = 1750	7/12	sensitive	791	1058
	7/12	50%	1006	1345
	16/18	sensitive	452	605
	16/18	50%	452	605
20 = 2000	7/12	sensitive	928	1241
	7/12	50%	1179	1576
	16/18	sensitive	530	709
	16/18	50%	530	709
22 = 2250	7/12	sensitive	1064	1423
	7/12	50%	1352	1808
	16/18	sensitive	608	813
	16/18	50%	608	813
25 = 2500	7/12	sensitive	1201	1605
	7/12	50%	1526	2040
	16/18	sensitive	652	871
	16/18	50%	652	871
27 = 2750	7/12	sensitive	1337	1788
	7/12	50%	1699	2272
	16/18	sensitive	764	1022
	16/18	50%	764	1022
30 = 3000	7/12	sensitive	1474	1970
	7/12	50%	1873	2504
	16/18	sensitive	842	1126
	16/18	50%	842	1126

The technical parameters are set according to the relevant standards. In fact, they may vary depending on the location of the convector, the cover grille, the connection type.

CONNECTION OPTIONS AND ACCESSORIES

- connection WITHOUT HEAD
- connection WITH ELECTROTHERMAL HEAD
- connection WITH CUSTOMER HEAD (after consultation)

The type of connection accessories varies according to the type and purpose of the convector. Connection accessories are packed separately and are not included in the standard convector delivery. Information on request from your sales representative or on our website.

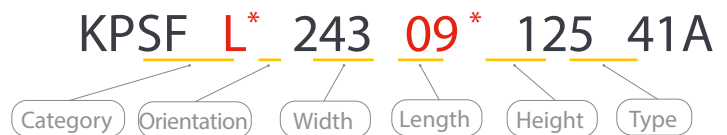
REGULATION OPTIONS

Type of regulation	Function of the convector	Control	Switched sources
EB-A ¹⁾ manual	heating	potentiometer ²⁾ potentiometer + thermostat customer thermostat for 24V or 230V + ADA converter	in mounting box: PSB 55W PSB 90W
	heating cooling	BMS superior system	
EB-B automatic	heating	thermostat CH-110 thermostat CH-150 customer thermostat for 24V or 230V + ADA converter	for DIN rail: PSD 55W PSD 90W PSD 115W
	heating cooling	thermostat TH 0482	
EB-C semi-automatic	heating cooling	thermostat TH 0482	
	heating	customer thermostat for 24V or 230V + ADA converter	

IT IS POSSIBLE TO USE YOUR OWN REGULATION.

- 1) it is necessary to reset the control unit-EB-block (by default it is set to EB-B / EB-C)
- 2) external potential-free switching, e.g. via a boiler

EXAMPLE OF ORDER CODE



Orientation: L = left connection / P = right connection

*orientation and length complete according to the specification of the convector

ACOUSTIC PRESSURE

length L [mm]	Speed		
	speed 1	speed 2	speed 3
	Equivalent acoustic pressure level LAeq,2m [dB]		
900	<20	22,4	34,0
1000	<20	22,6	34,2
1250	<20	23,1	34,7
1500	<20	23,6	35,2
1750	20,1	23,8	35,4
2000	20,2	23,9	35,6
2250	20,9	24,7	36,9
2500	21,5	25,5	38,1
2750	22,2	26,3	39,4
3000	22,8	27,1	40,6

measurement at a distance of 2m from the noise source at 1m height

INPUT POWER

length [mm]	power [W]
	EC MOTOR
900	5
1000	7
1250	8
1500	12
1750	13
2000	14
2250	19
2500	20
2750	24
3000	25

INDIVIDUAL CALCULATION of technical data you can find on our website.

