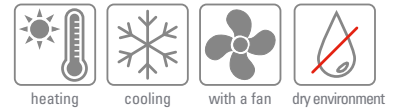


HCM



VERY EFFICIENT SINGLE-CIRCUIT TRENCH HEATER WITH A FAN FOR HEATING AND COOLING



CHARACTERISTICS

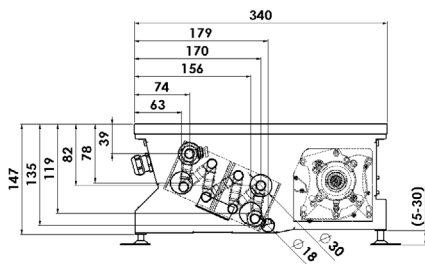
- **body made from high quality stainless steel**
- high forced convection output
- rapid room heating
- heating also when the fan is off
- contains own microprocessor-controlled unit
- designed also for cooling
- safe 12 V DC voltage
- low electricity consumption
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

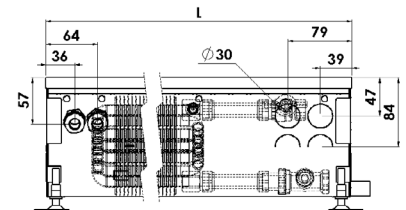
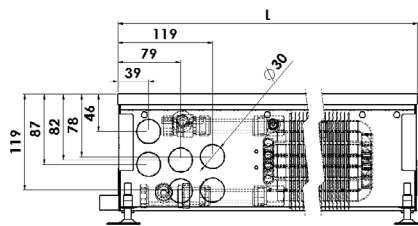
width - with standard frame	340 mm
width - with covering frame	366 mm
height	147 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

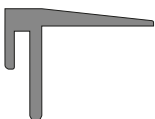


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

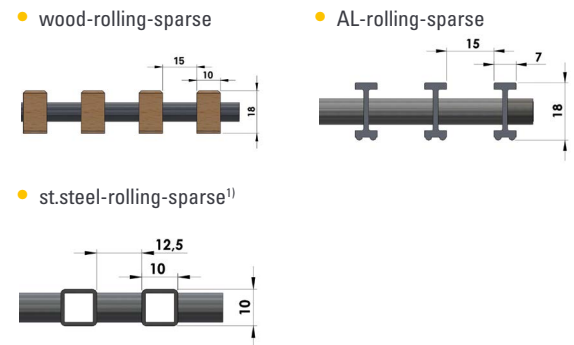


GRILLES - materials



(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

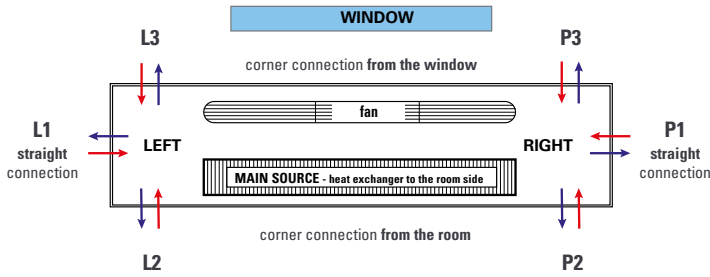
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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
09 = 900	85/75	190	1935	2447	3041
	75/65	160	1627	2058	2558
	65/55	129	1316	1665	2069
	45/40	75	762	964	1198
10 = 1000	85/75	221	2257	2855	3548
	75/65	186	1898	2401	2984
	65/55	151	1535	1942	2414
	45/40	87	889	1124	1397
12 = 1250	85/75	300	3063	3875	4816
	75/65	253	2576	3259	4050
	65/55	204	2084	2636	3276
	45/40	118	1206	1526	1896
15 = 1500	85/75	379	3869	4894	6083
	75/65	319	3254	4116	5115
	65/55	258	2632	3330	4138
	45/40	149	1524	1927	2396
17 = 1750	85/75	458	4675	5914	7350
	75/65	385	3932	4974	6181
	65/55	312	3180	4023	5000
	45/40	181	1841	2329	2895
20 = 2000	85/75	537	5481	6934	8617
	75/65	452	4609	5831	7247
	65/55	366	3729	4717	5862
	45/40	212	2159	2731	3394
22 = 2250	85/75	616	6287	7954	9885
	75/65	518	5287	6689	8313
	65/55	419	4277	5411	6725
	45/40	243	2476	3132	3893
25 = 2500	85/75	696	7093	8973	11152
	75/65	585	5965	7546	9378
	65/55	473	4826	6104	7587
	45/40	274	2793	3534	4392
27 = 2750	85/75	775	7899	9993	12419
	75/65	651	6643	8404	10444
	65/55	527	5374	6798	8449
	45/40	305	3111	3935	4891
30 = 3000	85/75	854	8705	11013	13687
	75/65	718	7321	9261	11510
	65/55	581	5922	7492	9311
	45/40	336	3428	4337	5390

COOLING OUTPUT

length L [mm]	cooling output Q [W]			
	input / output water temperature [°C]	relative humidity	speed	
			speed 2	speed 3
09 = 900	7/12	sensitive	623	817
	7/12	50%	810	1061
	16/18	sensitive	389	510
	16/18	50%	389	510
10 = 1000	7/12	sensitive	727	953
	7/12	50%	945	1238
	16/18	sensitive	454	596
	16/18	50%	454	596
12 = 1250	7/12	sensitive	987	1293
	7/12	50%	1282	1681
	16/18	sensitive	617	808
	16/18	50%	617	808
15 = 1500	7/12	sensitive	1246	1634
	7/12	50%	1620	2123
	16/18	sensitive	779	1021
	16/18	50%	779	1021
17 = 1750	7/12	sensitive	1506	1974
	7/12	50%	1957	2565
	16/18	sensitive	941	1234
	16/18	50%	941	1234
20 = 2000	7/12	sensitive	1766	2314
	7/12	50%	2295	3007
	16/18	sensitive	1104	1446
	16/18	50%	1104	1446
22 = 2250	7/12	sensitive	2025	2655
	7/12	50%	2632	3450
	16/18	sensitive	1266	1659
	16/18	50%	1266	1659
25 = 2500	7/12	sensitive	2285	2995
	7/12	50%	2969	3892
	16/18	sensitive	1368	1793
	16/18	50%	1368	1793
27 = 2750	7/12	sensitive	2545	3335
	7/12	50%	3307	4334
	16/18	sensitive	1590	2085
	16/18	50%	1590	2085
30 = 3000	7/12	sensitive	2804	3676
	7/12	50%	3644	4777
	16/18	sensitive	1753	2297
	16/18	50%	1753	2297

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	30,8	32,6	38,8
1000	31,4	33,2	39,4
1250	32,8	34,7	40,9
1500	33,0	34,8	41,0
1750	34,1	35,9	42,0
2000	34,3	36,1	42,2
2250	34,5	36,3	42,4
2500	34,7	36,5	42,6
2750	34,9	36,7	42,8
3000	35,1	36,9	43,0

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

INPUT POWER

length [mm]	power [W]
900	20
1000	22
1250	31
1500	26
1750	35
2000	30
2250	42
2500	38
2750	50
3000	45

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

