

T50



A UNIQUE TRENCH HEATER ON THE MARKET
WITH A FAN, WITH A HEIGHT OF ONLY 50 MM



CHARACTERISTICS

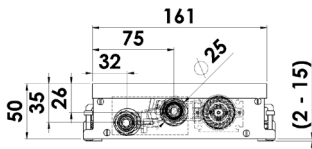
- suitable for interior applications where the lowest possible installation height is required
- **extruded body of high strength alloy of aluminum**
- high forced convection output
- heating unit with short response time
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

width	161 mm
height	50 mm
length	900 - 3000 mm
connection *	G 3/8"

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

CROSS SECTION



LONGITUDINAL SECTION



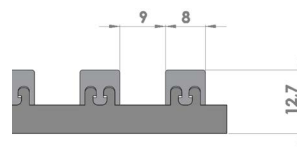
GRILLES - materials



(shades of the grilles are only illustrative)

GRILLES - profile

- AL-segmented-dense-low

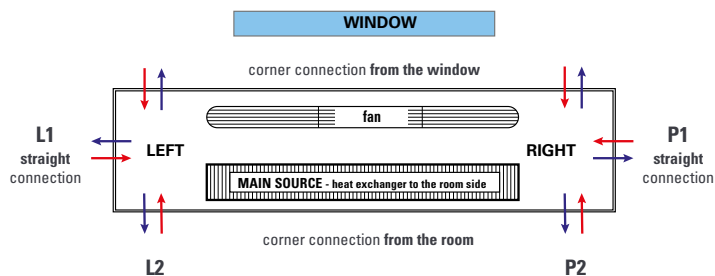


Convectors are designed to the CONCRETE FLOOR, in case of HOLLOW FLOOR installation, please consult with your sales representative.

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]	input / output water temperature [°C]	heating output Q [W]			
		speed			
		speed 0	speed 1	speed 2	speed 3
air temperature tA = 20°C					
09 = 900	85/75	70	381	484	690
	75/65	57	311	395	563
	65/55	44	243	309	440
	45/40	23	129	163	233
10 = 1000	85/75	81	445	565	805
	75/65	66	363	461	657
	65/55	52	284	360	513
	45/40	27	150	191	271
12 = 1250	85/75	110	604	766	1092
	75/65	90	493	626	892
	65/55	70	385	489	697
	45/40	37	204	259	368
15 = 1500	85/75	139	762	968	1379
	75/65	114	623	791	1127
	65/55	89	487	618	880
	45/40	47	257	327	465
17 = 1750	85/75	168	921	1170	1667
	75/65	137	753	956	1362
	65/55	107	588	746	1064
	45/40	57	311	395	562
20 = 2000	85/75	197	1080	1371	1954
	75/65	161	883	1121	1597
	65/55	126	689	875	1247
	45/40	66	364	463	659
22 = 2250	85/75	226	1239	1573	2241
	75/65	185	1012	1285	1831
	65/55	144	791	1004	1430
	45/40	76	418	531	756
25 = 2500	85/75	255	1398	1775	2529
	75/65	208	1142	1450	2066
	65/55	163	892	1133	1614
	45/40	86	472	599	853
27 = 2750	85/75	284	1557	1976	2816
	75/65	232	1272	1615	2301
	65/55	181	993	1261	1797
	45/40	96	525	667	950
30 = 3000	85/75	313	1715	2178	3103
	75/65	256	1402	1780	2536
	65/55	200	1095	1390	1980
	45/40	106	579	735	1047

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** (only L1/P1 and L2/P2)

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

** 22A = silver / 22B = light bronze / 22C = dark bronze

ACOUSTIC PRESSURE

length L [mm]	Speed		
	speed 1	speed 2	speed 3
	Equivalent acoustic pressure level LAeq,2m [dB]		
900	<20	23,7	36,4
1000	<20	23,8	36,5
1250	<20	24,1	36,8
1500	<20	24,3	37,1
1750	20,1	24,6	37,3
2000	20,3	24,8	37,5
2250	20,6	25,0	38,1
2500	20,8	25,1	38,6
2750	21,8	26,1	39,6
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]
900	6
1000	6
1250	10
1500	11
1750	12
2000	16
2250	17
2500	17
2750	22
3000	22

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

