

T80



**POWERFUL TRENCH HEATER
WITH A FAN**



CHARACTERISTICS

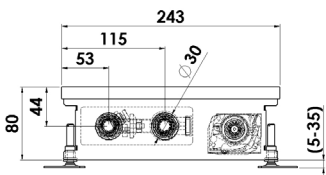
- **body made from high quality stainless steel**
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

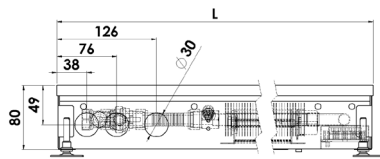
width - with standard frame	243 mm
width - with covering frame	269 mm
height	80 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

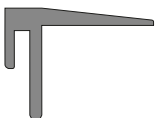


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

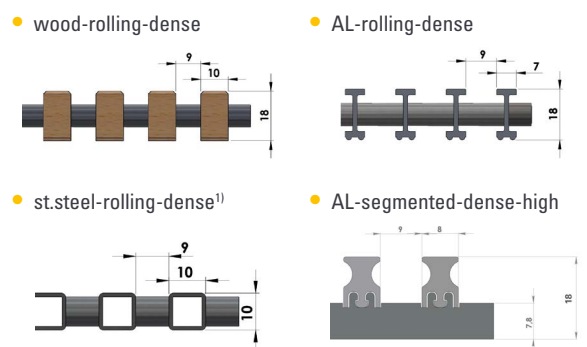


GRILLES - materials



(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

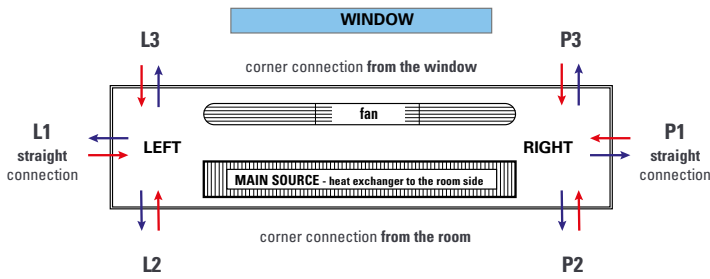
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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

heating output Q [W]					
length L [mm]	input / output water temperature [°C]	speed			
		speed 0	speed 1	speed 2	speed 3
		air temperature tA = 20°C			
09 = 900	85/75	149	797	952	1228
	75/65	123	657	785	1014
	65/55	97	520	621	802
	45/40	53	284	339	438
10 = 1000	85/75	174	929	1110	1433
	75/65	144	767	916	1183
	65/55	114	607	725	935
	45/40	62	331	396	511
12 = 1250	85/75	236	1261	1507	1945
	75/65	195	1041	1244	1605
	65/55	154	823	983	1270
	45/40	84	449	537	693
15 = 1500	85/75	299	1593	1903	2457
	75/65	247	1315	1571	2028
	65/55	195	1040	1242	1604
	45/40	106	568	678	875
17 = 1750	85/75	361	1925	2300	2969
	75/65	298	1589	1898	2450
	65/55	236	1256	1501	1938
	45/40	129	686	819	1058
20 = 2000	85/75	423	2257	2696	3481
	75/65	349	1863	2226	2873
	65/55	276	1473	1760	2272
	45/40	151	804	961	1240
22 = 2250	85/75	485	2589	3093	3992
	75/65	401	2137	2553	3295
	65/55	317	1690	2019	2606
	45/40	173	922	1102	1422
25 = 2500	85/75	547	2921	3489	4504
	75/65	452	2411	2880	3718
	65/55	357	1906	2277	2940
	45/40	195	1041	1243	1605
27 = 2750	85/75	610	3253	3886	5016
	75/65	503	2685	3207	4140
	65/55	398	2123	2536	3274
	45/40	217	1159	1384	1787
30 = 3000	85/75	672	3584	4282	5528
	75/65	555	2959	3535	4563
	65/55	439	2340	2795	3608
	45/40	239	1277	1526	1970

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.

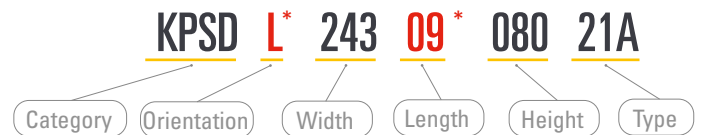
REGULATION OPTIONS

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

ACOUSTIC PRESSURE

length L [mm]	Speed		
	speed 1	speed 2	speed 3
	Equivalent acoustic pressure level LAeq,2m [dB]		
900	20,3	25,4	36,6
1000	20,7	25,8	37,0
1250	21,7	26,8	38,0
1500	22,6	27,9	38,9
1750	23,8	28,7	40,1
2000	24,7	29,8	41,0
2250	25,7	30,8	42,0
2500	26,6	31,9	42,9
2750	27,8	32,7	44,1
3000	28,7	33,8	45,0

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.

