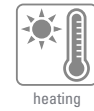


KT 110



**EFFICIENT TRENCH HEATER
WITH A FAN**



CHARACTERISTICS

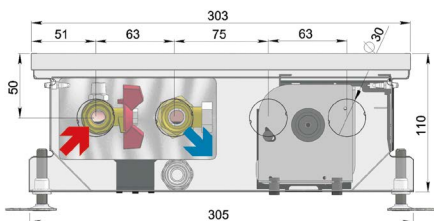
- **body made from high quality stainless steel**
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

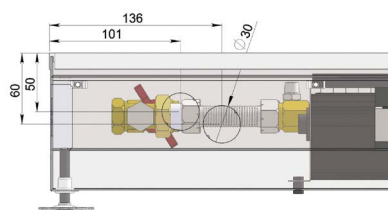
width - with standard frame	303 mm
width - with covering frame	329 mm
height	110 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

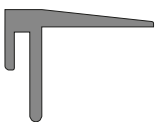


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

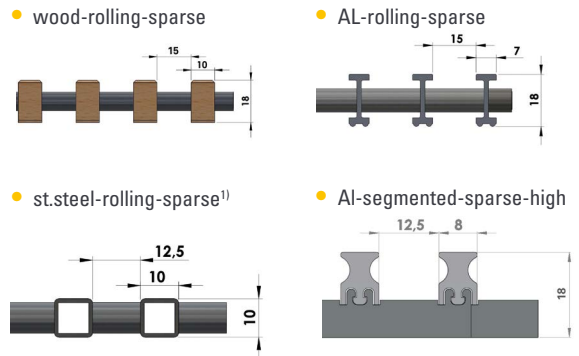


GRILLES - materials



(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

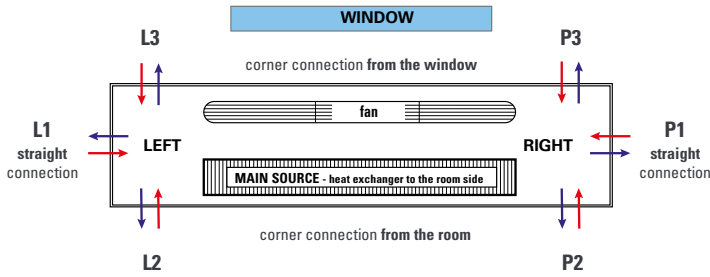
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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	207	1080	1188	1590
	75/65	170	888	976	1307
	65/55	134	698	768	1028
	45/40	72	376	413	554
10 = 1000	85/75	241	1260	1385	1855
	75/65	198	1036	1139	1525
	65/55	156	815	896	1199
	45/40	84	439	482	646
12 = 1250	85/75	327	1710	1880	2518
	75/65	269	1406	1545	2069
	65/55	212	1106	1216	1628
	45/40	114	596	655	877
15 = 1500	85/75	414	2160	2375	3180
	75/65	340	1776	1952	2614
	65/55	267	1397	1536	2056
	45/40	144	752	827	1107
17 = 1750	85/75	500	2610	2870	3843
	75/65	411	2146	2359	3159
	65/55	323	1688	1855	2485
	45/40	174	909	999	1338
20 = 2000	85/75	586	3060	3365	4505
	75/65	482	2515	2765	3703
	65/55	379	1979	2175	2913
	45/40	204	1066	1172	1569
22 = 2250	85/75	672	3511	3859	5168
	75/65	552	2885	3172	4248
	65/55	434	2270	2495	3341
	45/40	234	1222	1344	1799
25 = 2500	85/75	758	3961	4354	5831
	75/65	623	3255	3579	4792
	65/55	490	2561	2815	3770
	45/40	264	1379	1516	2030
27 = 2750	85/75	844	4411	4849	6493
	75/65	694	3625	3986	5337
	65/55	546	2852	3135	4198
	45/40	294	1536	1688	2261
30 = 3000	85/75	931	4861	5344	7156
	75/65	765	3995	4392	5881
	65/55	602	3143	3455	4626
	45/40	324	1692	1861	2492

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-A¹⁾ manual	potentiometer ²⁾	in mounting box: PSB 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

ACOUSTIC PRESSURE

length L [mm]	Speed		
	speed 1	speed 2	speed 3
	Equivalent acoustic pressure level LAeq,2m [dB]		
900	<20	22,1	35,1
1000	<20	22,2	35,2
1250	<20	22,5	35,5
1500	<20	22,8	35,7
1750	<20	23,0	36,0
2000	<20	23,2	36,2
2250	21,4	24,8	37,7
2500	22,9	26,3	39,2
2750	23,2	26,6	39,5
3000	23,4	26,8	39,7

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.

