

# KT3



EFFICIENT TRENCH HEATER  
WITH A FAN



## CHARACTERISTICS

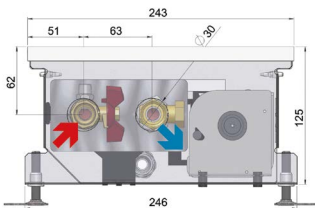
- body made from high quality stainless steel
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

## DIMENSIONS

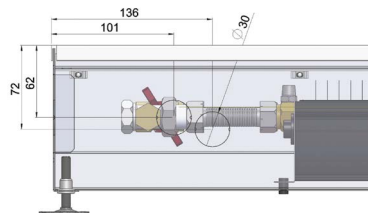
width - with standard frame	243 mm
width - with covering frame	269 mm
height	125 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

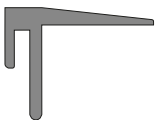


## FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

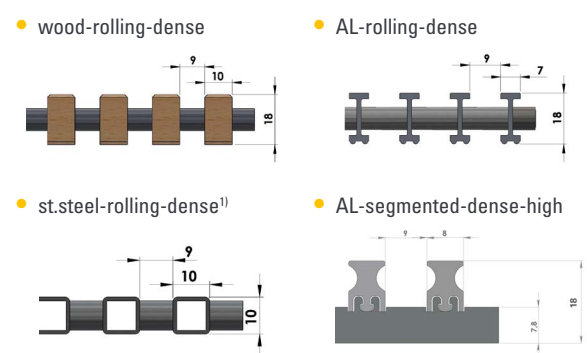


## GRILLES - materials



(shades of the grilles are only illustrative)

## GRILLES - profile



<sup>1)</sup> the grille must be ordered with the convector due to the modification of the convector construction

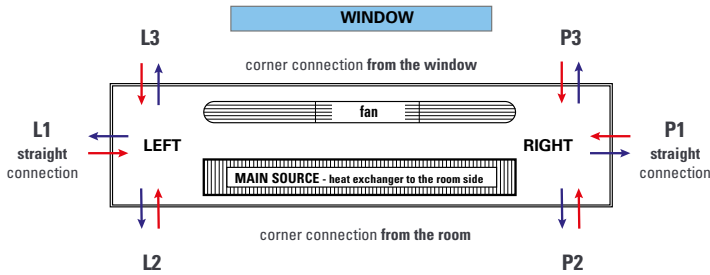
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

Convector is designed to be installed on 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 t <sub>A</sub> = 20°C					
09 = 900	85/75	148	1019	1097	1398
	75/65	122	840	904	1152
	65/55	96	662	713	909
	45/40	52	359	387	493
10 = 1000	85/75	172	1189	1280	1631
	75/65	142	980	1054	1344
	65/55	112	773	832	1060
	45/40	61	419	451	575
12 = 1250	85/75	234	1614	1737	2214
	75/65	192	1329	1431	1824
	65/55	152	1049	1129	1439
	45/40	82	569	613	781
15 = 1500	85/75	295	2038	2194	2797
	75/65	243	1679	1808	2304
	65/55	192	1325	1426	1818
	45/40	104	719	774	986
17 = 1750	85/75	357	2463	2651	3380
	75/65	294	2029	2184	2784
	65/55	232	1601	1723	2197
	45/40	126	869	935	1192
20 = 2000	85/75	418	2887	3108	3962
	75/65	344	2379	2561	3264
	65/55	272	1877	2020	2575
	45/40	147	1018	1096	1397
22 = 2250	85/75	479	3312	3565	4545
	75/65	395	2729	2937	3744
	65/55	312	2153	2317	2954
	45/40	169	1168	1257	1603
25 = 2500	85/75	541	3737	4022	5128
	75/65	446	3079	3314	4225
	65/55	352	2429	2614	3333
	45/40	191	1318	1419	1809
27 = 2750	85/75	602	4161	4479	5710
	75/65	496	3428	3691	4705
	65/55	392	2705	2912	3712
	45/40	212	1468	1580	2014
30 = 3000	85/75	664	4586	4936	6293
	75/65	547	3778	4067	5185
	65/55	432	2981	3209	4090
	45/40	234	1617	1741	2220

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.

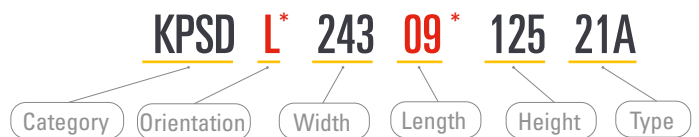
## REGULATION OPTIONS

Type of regulation	Control	Switched sources
<b>EB-A<sup>1)</sup></b> manual	potentiometer <sup>2)</sup>	<b>in mounting box:</b> PSB 55W PSB 90W
	potentiometer + thermostat	
	customer thermostat for 24V or 230V + ADA converter	
	BMS superior system	
<b>EB-B</b> automatic	thermostat CH-110	<b>for DIN rail:</b> PSD 55W PSD 90W PSD 115W
	thermostat CH-150	
	customer thermostat for 24V or 230V + ADA converter	
<b>EB-C</b> 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	22,4	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]
<b>EC MOTOR</b>	
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.

