

KT3 105



EFFICIENT TRENCH HEATER
WITH A FAN



CHARACTERISTICS

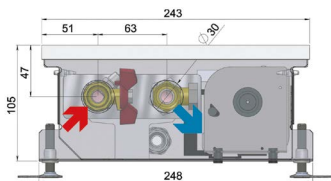
- body made from high quality stainless steel
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

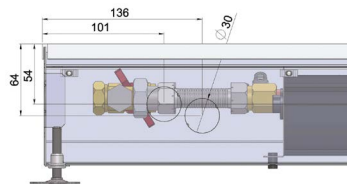
width - with standard frame	243 mm
width - with covering frame	269 mm
height	105 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

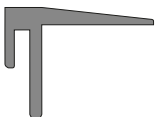


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)



GRILLES - materials

	oak	maple	beech
WOOD			
	dark bronze	light bronze	silver
ALUMINIUM			
	stainless steel		
ST. STEEL			

(shades of the grilles are only illustrative)

GRILLES - profile

• wood-rolling-dense	
• AL-rolling-dense	
• st. steel-rolling-dense ¹⁾	
• AL-segmented-dense-high	

1) the grille must be ordered with the convector due to the modification of the convector construction

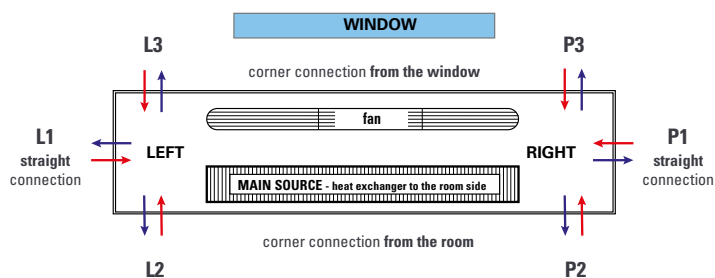
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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	131	936	1064	1257
	75/65	108	773	878	1037
	65/55	85	611	694	820
	45/40	47	333	378	447
10 = 1000	85/75	153	1092	1241	1467
	75/65	126	901	1024	1210
	65/55	100	712	809	957
	45/40	54	388	441	522
12 = 1250	85/75	207	1482	1684	1990
	75/65	171	1223	1390	1642
	65/55	135	967	1098	1298
	45/40	74	527	599	708
15 = 1500	85/75	262	1873	2128	2514
	75/65	216	1545	1756	2075
	65/55	171	1221	1388	1640
	45/40	93	666	757	894
17 = 1750	85/75	316	2263	2571	3038
	75/65	261	1867	2121	2507
	65/55	206	1476	1677	1981
	45/40	112	805	914	1080
20 = 2000	85/75	371	2653	3014	3562
	75/65	306	2189	2487	2939
	65/55	242	1730	1966	2323
	45/40	132	943	1072	1267
22 = 2250	85/75	425	3043	3457	4086
	75/65	351	2511	2853	3371
	65/55	277	1985	2255	2665
	45/40	151	1082	1229	1453
25 = 2500	85/75	480	3433	3901	4609
	75/65	396	2833	3218	3803
	65/55	313	2239	2544	3006
	45/40	171	1221	1387	1639
27 = 2750	85/75	534	3823	4344	5133
	75/65	441	3155	3584	4236
	65/55	349	2493	2833	3348
	45/40	190	1360	1545	1825
30 = 3000	85/75	589	4213	4787	5657
	75/65	486	3477	3950	4668
	65/55	384	2748	3122	3689
	45/40	209	1498	1702	2012

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.

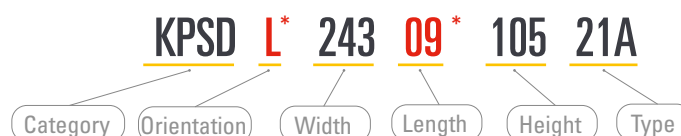
REGULATION OPTIONS

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	22,4	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]
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.

