

KT 1



EFFICIENT TRENCH HEATER WITH A FAN



CHARACTERISTICS

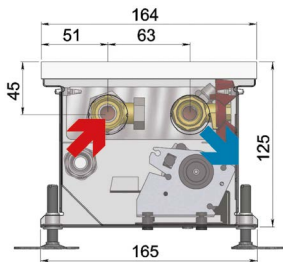
- body made from high quality stainless steel
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor

DIMENSIONS

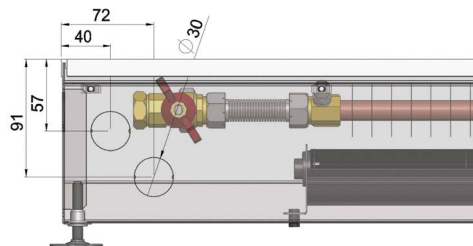
width - with standard frame	164 mm
width - with covering frame	190 mm
height	125 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

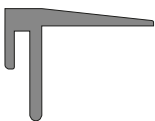


FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)

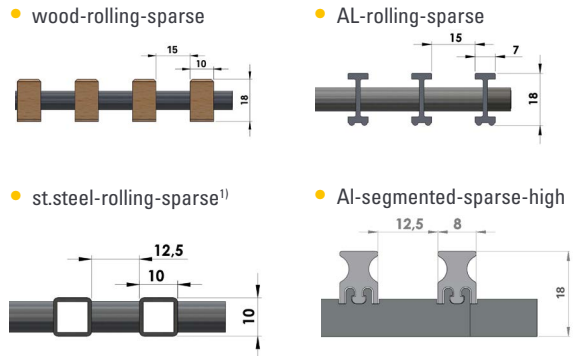


GRILLES - materials



(shades of the grilles are only illustrative)

GRILLES - profile



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

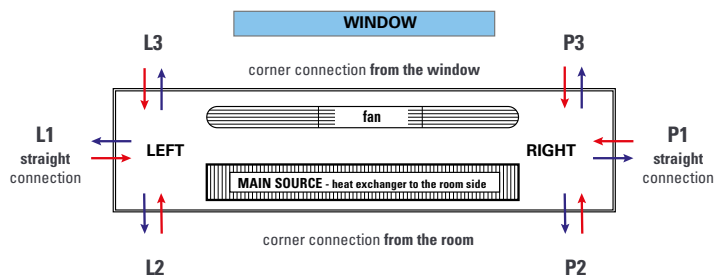
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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

length L [mm]	input / output water temperature [°C]	heating output Q [W]			
		speed			
		speed 0	speed 1	speed 2	speed 3
air temperature t _A = 20°C					
09 = 900	85/75	107	545	581	661
	75/65	86	439	467	532
	65/55	66	337	359	408
	45/40	33	170	181	206
10 = 1000	85/75	125	636	677	771
	75/65	101	512	545	621
	65/55	77	393	418	476
	45/40	39	198	211	240
12 = 1250	85/75	170	864	919	1046
	75/65	137	695	740	842
	65/55	105	533	568	646
	45/40	53	269	287	326
15 = 1500	85/75	214	1091	1161	1321
	75/65	173	878	935	1064
	65/55	132	674	717	816
	45/40	67	340	362	412
17 = 1750	85/75	259	1318	1403	1597
	75/65	208	1061	1130	1286
	65/55	160	814	867	986
	45/40	81	411	437	498
20 = 2000	85/75	304	1545	1645	1872
	75/65	244	1244	1325	1507
	65/55	187	954	1016	1156
	45/40	95	482	513	583
22 = 2250	85/75	348	1773	1887	2147
	75/65	280	1427	1519	1729
	65/55	215	1095	1165	1326
	45/40	108	552	588	669
25 = 2500	85/75	393	2000	2129	2423
	75/65	316	1610	1714	1951
	65/55	243	1235	1315	1496
	45/40	122	623	663	755
27 = 2750	85/75	437	2227	2371	2698
	75/65	352	1793	1909	2172
	65/55	270	1375	1464	1666
	45/40	136	694	739	841
30 = 3000	85/75	482	2454	2613	2973
	75/65	388	1976	2104	2394
	65/55	298	1516	1614	1836
	45/40	150	765	814	927

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	21,3	23,6	34,9
1000	21,6	23,9	35,2
1250	22,4	24,7	36,0
1500	23,1	25,4	36,7
1750	23,7	26,0	37,3
2000	24,3	26,6	37,9
2250	24,8	27,1	38,4
2500	25,3	27,6	38,9
2750	25,8	28,1	39,4
3000	26,3	28,6	39,9

measurement at a distance of 2m from the noise source at 1m height

INPUT POWER

length [mm]	power [W]
EC MOTOR	
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.

