

# HCX 4P



EFFECTIVE DOUBLE-CIRCUIT TRENCH HEATER  
WITH A FAN FOR HEATING AND COOLING



## CHARACTERISTICS

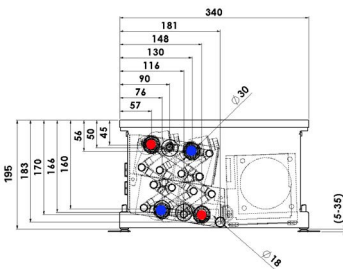
- body made from high quality stainless steel
- double-circuit connection - the heating and cooling circuit can be used separately
- high forced convection output
- rapid room heating, designed also for cooling
- heating also when the fan is off
- contains own microprocessor-controlled unit
- safe 24V DC voltage
- low electricity consumption
- also suitable for heat pump
- electronically commutated (EC) motor

## DIMENSIONS

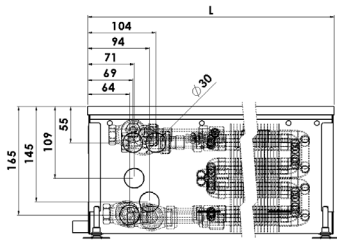
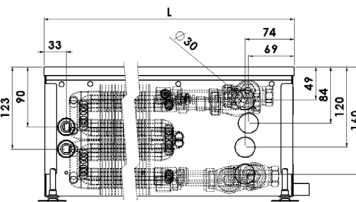
width - with standard frame	340 mm
width - with covering frame	366 mm
height	195 mm
length	900 - 3000 mm
connection *	G1/2"

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

CROSS SECTION



LONGITUDINAL SECTION

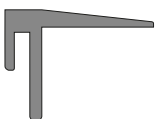


## FRAMES

- Standard frame (AL-aluminium)



- Covering frame (AL-aluminium)



## GRILLES - materials

	oak	maple	beech
<b>WOOD</b>			
	dark bronze	light bronze	silver
<b>ALUMINIUM</b>			
<b>ST. STEEL</b>	stainless steel		

(shades of the grilles are only illustrative)

## GRILLES - profile

• wood-rolling-sparse	
• AL-rolling-sparse	
• st. steel-rolling-sparse <sup>1)</sup>	

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

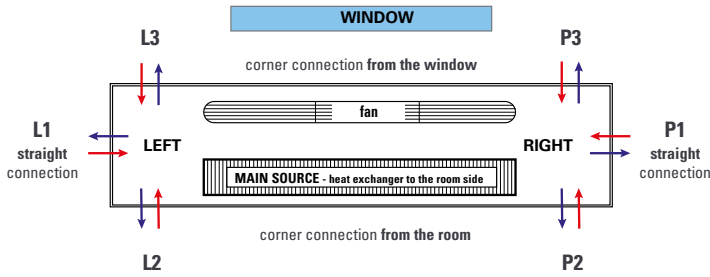
Standard grilles are transverse, if you are interested in **LONGITUDINAL GRILLES**, please contact your sales representative.

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]	heating output Q [W]				
	input / output water temperature [°C]	speed			
		speed 0	speed 1	speed 2	speed 3
09 = 900	85/75	170	1555	2972	4085
	75/65	141	1293	2472	3397
	65/55	113	1032	1973	2711
10 = 1000	45/40	63	577	1103	1515
	85/75	198	1814	3468	4765
	75/65	165	1508	2884	3963
12 = 1250	65/55	131	1204	2302	3163
	45/40	73	673	1286	1768
	85/75	268	2462	4706	6467
15 = 1500	75/65	223	2047	3914	5379
	65/55	178	1634	3124	4292
	45/40	100	913	1746	2399
17 = 1750	85/75	339	3109	5945	8169
	75/65	282	2586	4944	6794
	65/55	225	2064	3946	5422
20 = 2000	45/40	126	1154	2205	3031
	85/75	410	3757	7183	9871
	75/65	341	3125	5974	8209
22 = 2250	65/55	272	2494	4767	6551
	45/40	152	1394	2665	3662
	85/75	480	4405	8422	11573
25 = 2500	75/65	400	3663	7004	9625
	65/55	319	2924	5589	7681
	45/40	178	1634	3124	4293
27 = 2750	85/75	551	5053	9660	13275
	75/65	458	4202	8034	11040
	65/55	366	3354	6411	8811
30 = 3000	45/40	204	1874	3584	4925
	85/75	622	5701	10899	14977
	75/65	517	4741	9064	12456
30 = 3000	65/55	413	3784	7233	9940
	45/40	231	2115	4043	5556
	85/75	692	6348	12137	16679
30 = 3000	75/65	576	5280	10094	13871
	65/55	459	4213	8055	11070
	45/40	257	2355	4503	6187
30 = 3000	85/75	763	6996	13376	18381
	75/65	635	5818	11124	15287
	65/55	506	4643	8877	12199
30 = 3000	45/40	283	2595	4962	6819

## COOLING OUTPUT

length L [mm]	cooling output Q [W]			
	input / output water temperature [°C]	relative humidity	speed	
			speed 2	speed 3
09 = 900	7/12	sensitive	556	815
	7/12	50%	674	987
	16/18	sensitive	318	465
10 = 1000	16/18	50%	318	465
	7/12	sensitive	649	950
	7/12	50%	786	1151
12 = 1250	16/18	sensitive	371	543
	16/18	50%	371	543
	7/12	sensitive	880	1290
15 = 1500	7/12	50%	1067	1563
	16/18	sensitive	503	737
	16/18	50%	503	737
17 = 1750	7/12	sensitive	1112	1629
	7/12	50%	1347	1974
	16/18	sensitive	636	931
20 = 2000	16/18	50%	636	931
	7/12	sensitive	1344	1968
	7/12	50%	1628	2385
22 = 2250	16/18	sensitive	768	1125
	16/18	50%	768	1125
	7/12	sensitive	1576	2308
25 = 2500	7/12	50%	1909	2796
	16/18	sensitive	900	1319
	16/18	50%	900	1319
27 = 2750	7/12	sensitive	1807	2647
	7/12	50%	2190	3207
	16/18	sensitive	1033	1513
30 = 3000	16/18	50%	1033	1513
	7/12	sensitive	2039	2987
	7/12	50%	2470	3619
30 = 3000	16/18	sensitive	1107	1621
	16/18	50%	1107	1621
	7/12	sensitive	2271	3326
30 = 3000	7/12	50%	2751	4030
	16/18	sensitive	1297	1901
	16/18	50%	1297	1901
30 = 3000	7/12	sensitive	2502	3665
	7/12	50%	3032	4441
	16/18	sensitive	1430	2095
30 = 3000	16/18	50%	1430	2095

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.

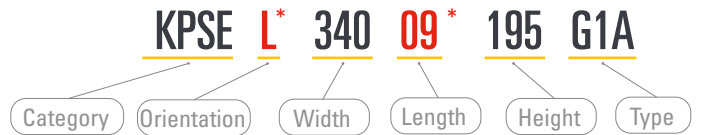
## REGULATION OPTIONS

Type of regulation	Function of the convector	Control	Switched sources
<b>EB-A</b> <sup>1)</sup> manual	heating cooling	<b>BMS superior system</b>	in mounting box: PSB 55W PSB 90W
<b>EB-C</b> semi-automatic	heating cooling	<b>thermostat TH 0482</b>	for DIN rail: PSD 55W PSD 90W PSD 115W

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)

## 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
900	28,8	34,8	48,8
1000	29,0	35,0	49,0
1250	29,5	35,5	49,5
1500	30,0	36,0	50,0
1750	31,0	37,0	51,0
2000	32,0	38,0	52,0
2250	32,3	38,3	52,3
2500	32,5	38,5	52,5
2750	32,8	38,8	52,8
3000	33,0	39,0	53,0

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

## INPUT POWER

length [mm]	power [W]
900	17
1000	18
1250	50
1500	75
1750	84
2000	90
2250	93
2500	102
2750	150
3000	168

INDIVIDUAL CALCULATION of technical data you can find on our website.

