

# TRENCH HEATERS WITH FAN AND COOLING OPTION

## HC LINE ▶



### CHARACTERISTICS

- for cooling and heating
- high performance of forced convection (heats even when fan is off)
- stainless steel body
- available in many variants to suit your exact needs
- electronically commutated (EC) fan optimized for high performance and low vibration
- safe voltage 24 V DC
- control unit with its own microprocessor enabling a wide range of settings
- suitable for heat pumps and other renewable energy sources
- **4P** - double-circuit connection - the heating and cooling circuit can be used separately
- **AIR** - with connection to HVAC

Orientation: L = left water connection / P = right water connection

Category	Convector	Orientation	Width [mm]	Height [mm]	Length [mm]										Type
					09 = 900 [mm]	10 = 1000 [mm]	12 = 1250 [mm]	15 = 1500 [mm]	17 = 1750 [mm]	20 = 2000 [mm]	22 = 2250 [mm]	25 = 2500 [mm]	27 = 2750 [mm]	30 = 3000 [mm]	

▶ Heating output with heat gradient 75/65/20°C [W]-fan speed 2  
 ▶ Cooling output with heat gradient 7/12/27 °C [W]-fan speed 2 (sens.)

single-circuit convector with heating OR cooling function																	
KPSF	HC	L / P	200	110	1073	1252	1699	2146	2593	3040	3487	3934	4382	4829	41A		
					302	352	477	603	729	854	980	1106	1231	1357			
		L / P	260	110	1556	1816	2464	3113	3761	4410	5058	5707	6355	7004	41A		
					405	472	641	809	978	1147	1315	1484	1652	1821			
		L / P	340	110	2058	2401	3258	4116	4973	5831	6688	7546	8403	9261	81A		
					679	792	1075	1357	1640	1923	2206	2488	2771	3054			
		L / P	340	150	2900	3383	4592	5800	7008	8217	9425	10633	11842	13050	C1A		
					799	932	1265	1598	1931	2264	2596	2929	3262	3595			
		L / P	340	185	3309	3860	5239	6618	7997	9375	10756	12133	13512	14890	G1A		
					1052	1228	1666	2105	2543	2982	3420	3859	4297	4736			
double-circuit convector with heating AND cooling function																	
KPSE	HC 4P	L / P	260	110	884	1032	1400	1769	2137	2506	2874	3243	3611	3980	61A		
					306	357	485	613	740	868	996	1123	1251	1378			
		L / P	340	110	1362	1589	2156	2723	3291	3858	4425	4993	5560	6128	81A		
					646	754	1023	1293	1562	1831	2101	2370	2639	2908			
		L / P	340	150	1198	1398	1898	2397	2896	3396	3895	4394	4894	5393	C1A		
					699	816	1107	1398	1689	1981	2272	2563	2854	3146			
		L / P	340	185	1236	1442	1957	2472	2987	3502	4017	4532	5047	5562	G1A		
					1032	1204	1633	2063	2493	2923	3353	3783	4213	4642			
		single-circuit convector with heating OR cooling function AND ventilation															
		KPSH	HC AIR	L / P	356	110	2058	2401	3259	4116	4974	5831	6689	7546	8404	9261	81A
679	792						1075	1357	1640	1923	2206	2488	2771	3054			
double-circuit convector with heating AND cooling function AND ventilation																	
KPSG	HC 4P AIR	L / P	356	110	1362	1589	2156	2723	3291	3858	4425	4993	5560	6128	81A		
					646	754	1023	1293	1562	1831	2101	2370	2639	2908			

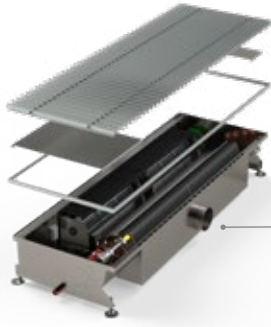
### Other technical data

Equivalent acoustic pressure level LAeq, 2m [dB] fan speed 2	HC / HC 4P / AIR version	200/260	110	22,4	22,6	23,1	23,6	23,8	23,9	24,7	25,5	26,3	27,1
		340/356 (AIR)	110/150	32,6	33,2	34,7	34,8	35,9	36,1	36,3	36,5	36,7	36,9
		340	185	34,8	35,0	35,5	36,0	37,0	38,0	38,3	38,5	38,8	39,0
Input power - EC motor [W]	HC / HC 4P / AIR version	200/260	110	6	7	8	11	13	15	18	20	22	24
		340	110/150	16	27	24	40	54	48	72	81	77	99
		340	185	17	18	50	75	84	90	93	102	150	168

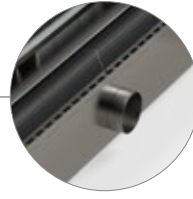
The grilles are not part of the convectors, they must be ordered separately. For the grilles see page 13.

The technical parameters are set according to the standards EN 442 and EN16430. In fact, they may vary depending on the location of the convector, the covering grille, the connection type.

## TRENCH HEATERS WITH AIR SPIGOT FOR CONNECTION TO HVAC



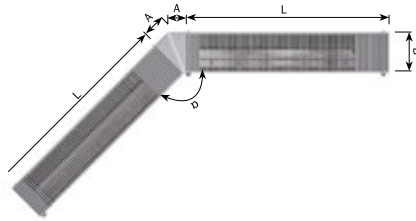
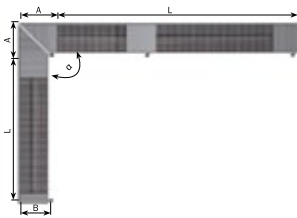
We are able to produce air spigot of **any shape and dimensions** according to customer requirements for most of our standard convectors, ensuring fresh air supply and healthy ventilation.



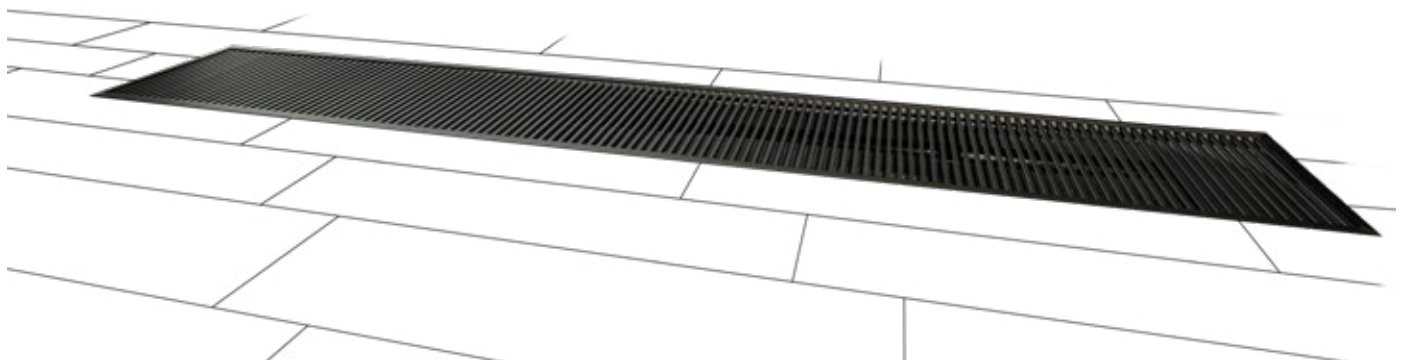
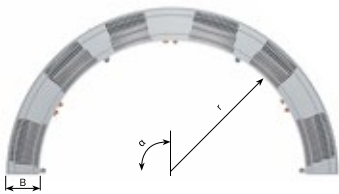
illustrative picture about possible design of air spigot

## POSSIBLE ANGLES AND ARCS OF TRENCH HEATERS

### ▶ ANGLE TYPE OF CONNECTION

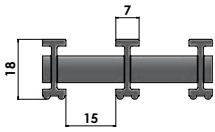


### ▶ ARC TYPE OF CONNECTION

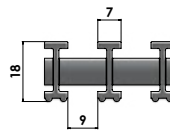


# GRILLES ► PROFILES

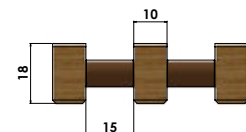
- AL - ROLLING / STABLE\* - SPARSE



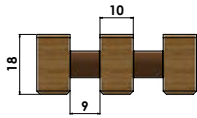
- AL - ROLLING / STABLE\* - DENSE



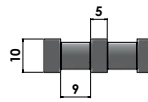
- WOOD - ROLLING / STABLE\* - SPARSE



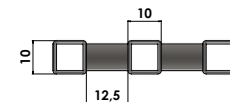
- WOOD - ROLLING / STABLE\* - DENSE



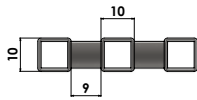
- AL - ROLLING / STABLE\* - DENSE - 10mm



- ST.STEEL - ROLLING - SPARSE\*\*



- ST.STEEL - ROLLING - DENSE\*\*



\* ROLLING and STABLE grilles do not differ visually. The STABLE grille is more rigid by the means of reinforced rod. It can not be rolled up. The ROLLING grille can be rolled up.

\*\* the grille must be ordered with the convector due to the modification of the convector construction

In case of wet environment, please let us know when you order.

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

# GRILLES ► MATERIALS AND COLOURS

WOOD*	oak	maple	beech
			
	ALUMINIUM	silver	bronze
			
ST.STEEL		stainless steel	(shades of the grilles are only illustrative)
			



The standard delivery of trench heaters includes convector, standard frame and anchoring accessories. The type and colour of the frame and grille must be specified. The grille must be ordered separately.

\* Wooden grilles are supplied in an unfinished, untreated state. We recommend treating them prior to use for both heating and cooling.

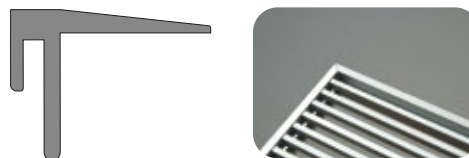
# FRAMES FOR TRENCH HEATERS

- Standard frame (AL-aluminium)



example with wooden grille

- Covering frame (AL-aluminium)



example with AL grille

\* width of the convector = width of the frame / length of the convector = length of the frame