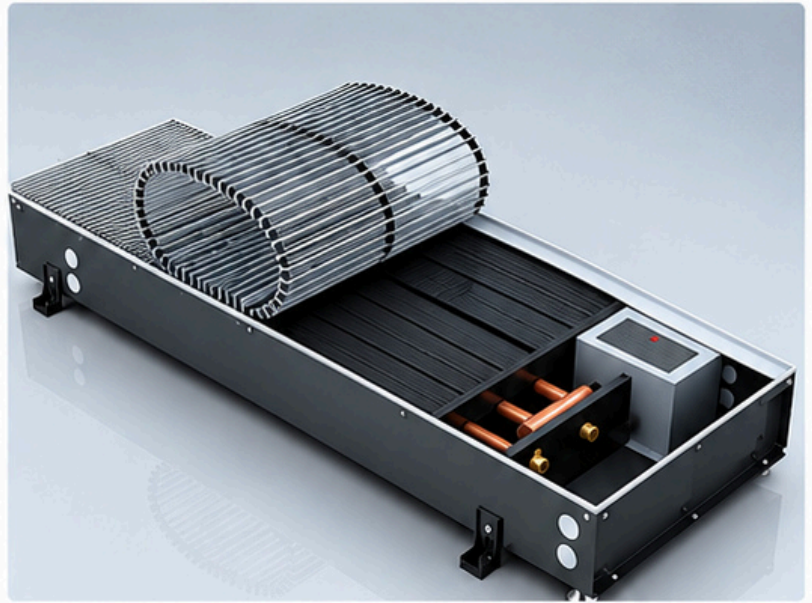
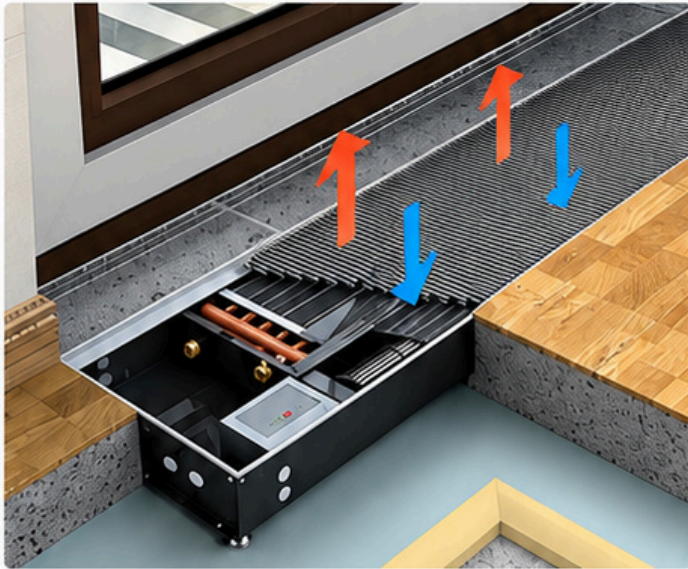


FLOOR CONVECTOR –

Heating & Cooling

Installed discreetly within the floor cavity, our floor-recessed heating and cooling fan coil unit delivers filtered, conditioned air while maximizing usable interior space. Combining high-efficiency thermal performance with an unobtrusive architectural footprint, it is the ideal solution for modern commercial spaces, retail centers, luxury hotels, transit hubs, and high-end residential properties.



1. Grille

High aluminium, sleek, corrosion-resistant, high load-bearing, and easy to install or remove.

2. Heat Exchanger

99.99% pure copper tubes with hydrophilic aluminium fins; compact and high-efficiency.

3. Filter Mesh

Premium nylon; blocks dust and debris; removable and washable.

4. Cross-flow Fan

Optional imported fan; 220 V 5-speed control or 24 V stepless control; low-noise, safe and durable.

5. Waterproof Controller

Custom waterproof design for enhanced safety.

6. Levelling Bolts

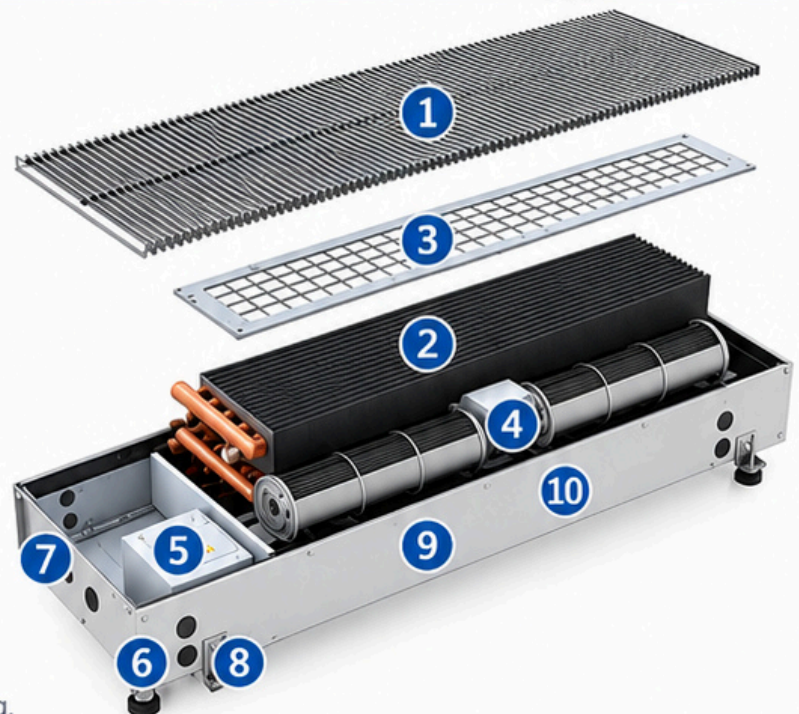
Four anti-vibration levelling bolts compensate for uneven trench surfaces and allow precise levelling.

7. Supply & Return Connections

End or side connection openings can be provided to suit site piping.

8. Fixing Brackets

Four 1.5 mm thick high-strength steel fixing brackets; robust and durable.



9. Thermal Insulation

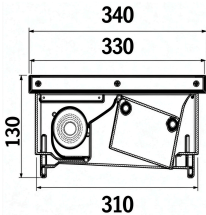
9 mm rubber-plastic insulation for thermal insulation, moisture resistance and condensation control.

10. Casing

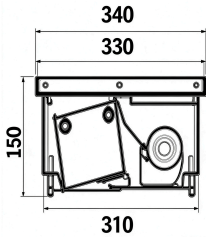
Galvanized steel casing with leak-free powder coating.

Floor Convactor - Heating and Cooling

STLDFHC-130-340/Length (2-Pipe)

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m³/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-130-340/1250	5	37	265	1989	1011	48	1	0	0.5	
	4	32	210	1649	886	41				
	3	25	170	1527	831	35				
	2	22	140	1356	709	28				
	1	20	115	1181	562	20				
STLDFHC-130-340/2000	5	39	530	3735	1932	96	2	0	0.6	
	4	34	420	3084	1671	81				
	3	27	340	2846	1581	69				
	2	24	280	2527	1315	57				
	1	22	230	2213	1049	41				
STLDFHC-130-340/2750	5	40	795	5500	2826	144	3	0	1.0	
	4	36	630	4525	2449	124				
	3	28	510	4179	2307	103				
	2	25	420	3710	1916	88				
	1	23	345	3215	1531	61				

STLDFHC-150-340/Length (2-Pipe)

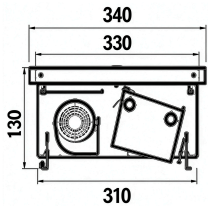
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m³/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-150-340/1250	5	38	340	2560	1345	48	1	0	0.6	
	4	33	250	2067	1104	42				
	3	26	211	1871	1035	37				
	2	23	191	1642	778	31				
	1	21	159	1491	609	23				
STLDFHC-150-340/2000	5	40	680	4841	2561	96	2	0	0.8	
	4	35	500	3899	2105	85				
	3	28	424	3521	1928	72				
	2	25	382	3079	1463	61				
	1	23	315	2780	1149	45				
STLDFHC-150-340/2750	5	41	1020	7124	3789	144	3	0	1.2	
	4	37	750	5739	3105	125				
	3	29	636	5168	2846	108				
	2	26	573	4518	2139	91				
	1	24	477	4061	1681	66				

Note: Standard models shown. Custom engineering available upon request.

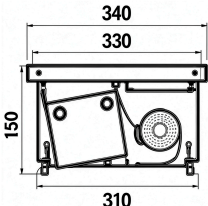
- Cooling Mode: Air inlet 27/19.5°C (DB/WB); Chilled water 7/12°C (In/Out).
- Heating Mode: Air inlet 21°C (DB); Hot water inlet 60°C (Same flow rate as cooling).

Floor Convector - Heating and Cooling

STLDFHC-130-340/Length (4-Pipe)

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m³/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-130-340/1250	5	37	265	1298	936	48	1	0	0.5	
	4	32	210	1082	818	41				
	3	25	170	996	765	35				
	2	22	140	897	648	28				
	1	20	115	786	521	20				
STLDFHC-130-340/2000	5	39	530	2428	1791	96	2	0	0.6	
	4	34	420	2021	1558	81				
	3	27	340	1851	1469	67				
	2	24	280	1638	1218	57				
	1	22	230	1429	971	41				
STLDFHC-130-340/2750	5	40	795	3557	2651	144	3	0	1.0	
	4	36	630	2957	2289	124				
	3	28	510	2705	2141	103				
	2	25	420	2398	1783	88				
	1	23	345	2076	1432	61				

STLDFHC-150-340/Length (4-Pipe)

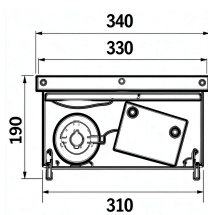
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m³/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-150-340/1250	5	38	340	1502	1288	48	1	0	0.5	
	4	33	250	1341	1048	42				
	3	26	211	1199	957	37				
	2	23	191	1076	759	31				
	1	21	159	1058	584	23				
STLDFHC-150-340/2000	5	40	680	2814	2421	96	2	0	0.8	
	4	35	500	2513	1969	85				
	3	28	424	2239	1784	72				
	2	25	382	2128	1418	61				
	1	23	315	1969	1085	45				
STLDFHC-150-340/2750	5	41	1020	4156	3570	144	3	0	1.2	
	4	37	750	3701	2901	125				
	3	29	636	3293	2636	108				
	2	26	573	3126	2069	91				
	1	24	477	2886	1582	66				

Note: Standard models shown. Custom engineering available upon request.

- Cooling Mode: Air inlet 27/19.5°C (DB/WB); Chilled water 7/12°C (In/Out).
- Heating Mode: Air inlet 21°C (DB); Hot water inlet 60°C (Same flow rate as cooling).

Floor Convector - Heating and Cooling

STLDFHC-190-340/Length (4-Pipe)

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m³/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-190-340/1250	5	37	539	3410	2184	48	1	0	0.7	
	4	32	450	2758	1793	42				
	3	25	411	2475	1642	37				
	2	22	389	2161	1238	31				
	1	20	357	1946	978	23				
STLDFHC-190-340/2000	5	39	1075	6513	4185	96	2	0	1.0	
	4	34	896	5246	3437	85				
	3	27	819	4721	3145	72				
	2	24	776	4108	2368	61				
	1	22	708	3709	1869	45				
STLDFHC-190-340/2750	5	40	1610	9609	6189	144	3	0	1.4	
	4	36	1346	7737	5073	125				
	3	28	1228	6949	4648	108				
	2	25	1159	6068	3512	91				
	1	23	1058	5449	2751	66				

High-spec 0-10V Stepless Modulating Control for Thermal Performance

Model	Sound Pressure Level (dB)	Airflow (m³/h)	Cooling (W)	Heating (W)	Fan Qty.	Power (W)	Air Pressure (Pa)	Water Resistance (kPa)
STLDFHC-130-340/1250	21~36	0~220	670~911	1302~1610	1	10	0	0.5
STLDFHC-130-340/2000	21~36	0~429	1331~1706	2485~3057	2	20	0	0.6
STLDFHC-130-340/2750	22~38	0~649	1976~2523	3651~4526	3	30	0	1
STLDFHC-150-340/1250	20~35	0~249	776~1086	1591~1986	1	10	0	0.6
STLDFHC-150-340/2000	21~38	0~489	1441~2182	3026~3836	2	20	0	0.8
STLDFHC-150-340/2750	22~41	0~741	2126~3276	4468~5754	3	30	0	1.2

Note: Standard models shown. Custom engineering available upon request.

- Cooling Mode: Air inlet 27/19.5°C (DB/WB); Chilled water 7/12°C (In/Out).
- Heating Mode: Air inlet 21°C (DB); Hot water inlet 60°C (Same flow rate as cooling).