SOODIA

COPPER-TUBE CONVECTOR

TECHNICAL MANUAL

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Longgang Industry and Trade Park,
Zhengzhou City, Henan Province, China

Leading Copper-Tube Convector Manufacturer in China
Contributor to China's Convector Industry Standard

ABOUT US

SOODIA specializes in high-performance heating solutions for commercial and architectural applications. With manufacturing experience dating back to 1990 and the SOODIA brand established in 2006, we integrate R&D, manufacturing, global sales and technical support.

Our 30,000 m² manufacturing facility is equipped with more than 500 units of advanced production equipment, supporting reliable and consistent production of copper-tube convectors for international markets.

Beyond our standard product range, we provide customised solutions in dimensions, configurations, finishes and exterior designs to meet specific project requirements. We welcome distributors, HVAC contractors, engineering companies and project partners worldwide.

30,000 m²
Manufacturing Facility

500+
Units of Production Equipment

ISO 9001
Certified

ISH China
Product Innovation Award



MANUFACTURING CAPABILITY









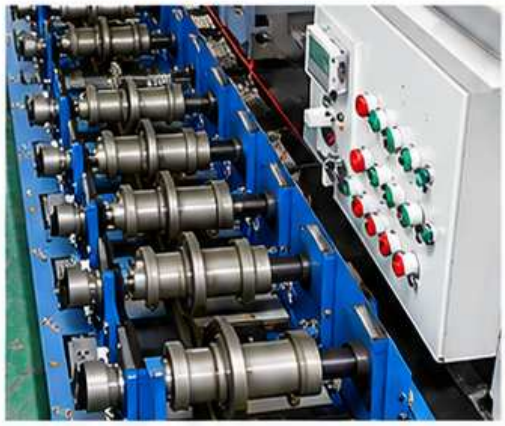
CNC Punching



Laser Cutting



Forming & Punching



Tube Expanding

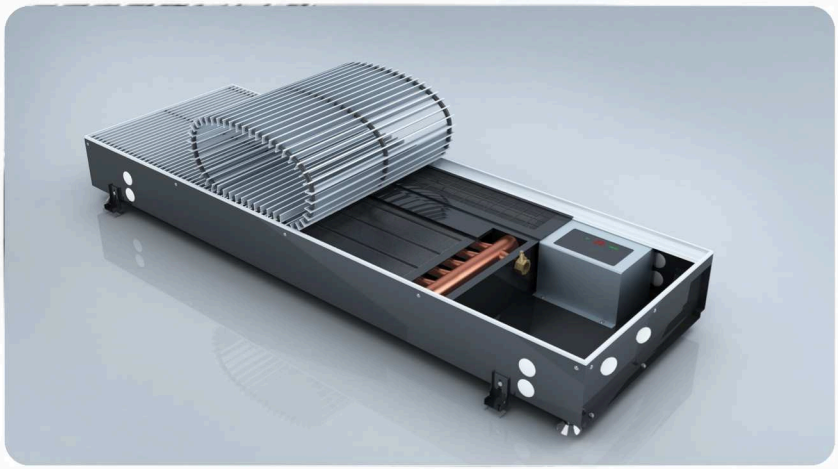


Automatic Welding



Automated Coating Line

PRODUCT RANGE



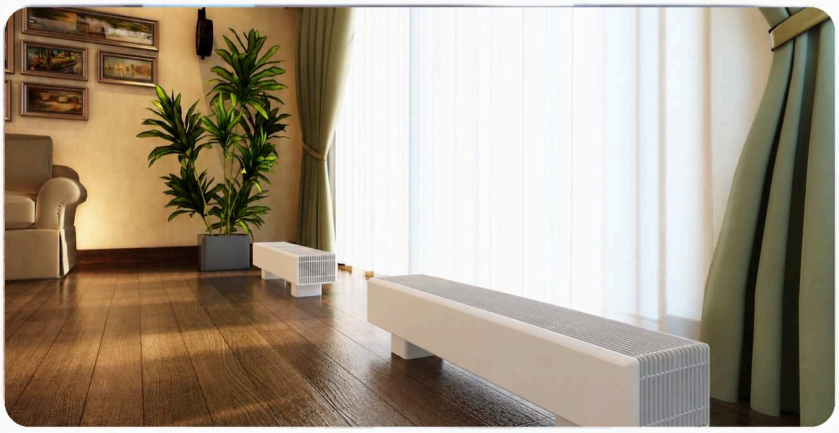
01
Hydronic Trench Convectors

For modern architectural spaces



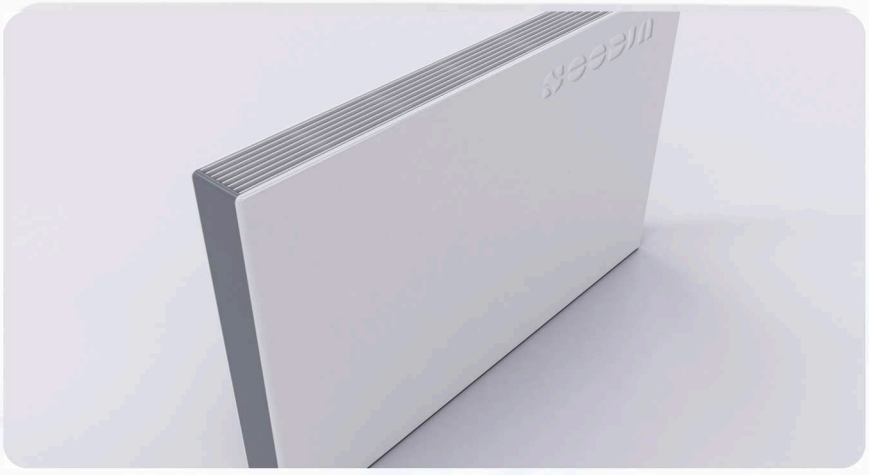
02
Hydronic Perimeter Convectors

Seamless integration with interior design



03
Freestanding Hydronic Convectors

Flexible installation for various spaces



04
Wall-Mounted Hydronic Convectors

Efficient and reliable heating solution



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HYDRONIC TRENCH CONVECTORS

SOODIA hydronic trench convectors are recessed into the floor along large windows and glazed façades, providing perimeter heating without taking up wall space or interrupting the view. They help counter cold downdraughts near the glazing while blending discreetly into the interior.

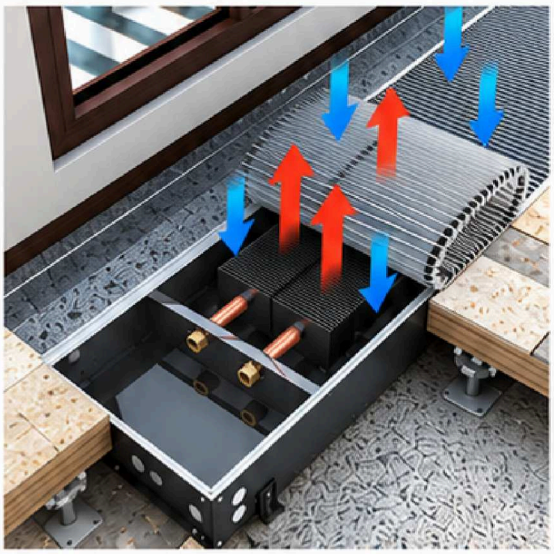
The range includes natural convection, fan-assisted heating, and heating and cooling models. Standard sizes are available, together with customised dimensions and configurations to suit the installation space, piping layout and heating or cooling requirements of each project.

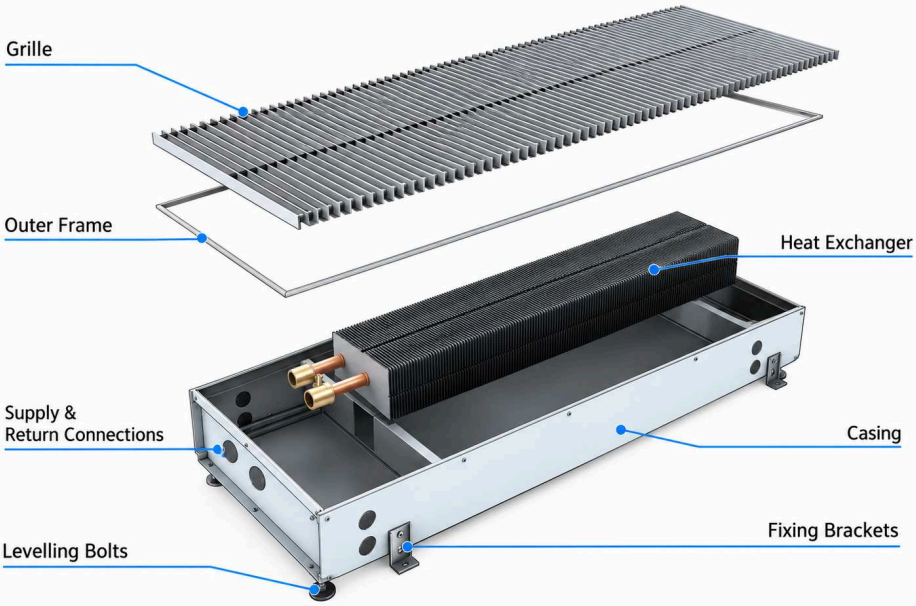
HYDRONIC TRENCH CONVECTOR



Natural Convection

The floor convector is designed for buildings with large glass curtain walls or French windows. It provides efficient perimeter heating, reduces cold downdraughts and helps prevent condensation, while maintaining a clean, zero-footprint architectural aesthetic.





Model Identification

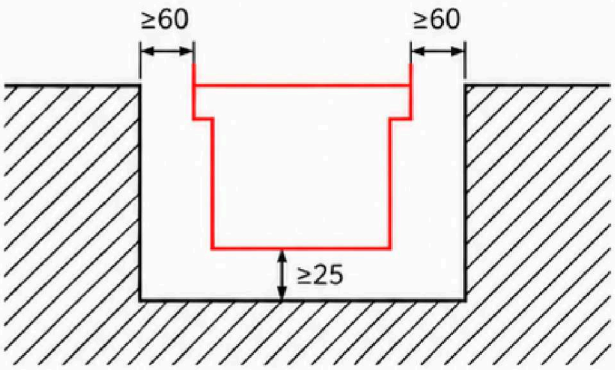
STLDXX -XXX -XXX/XXXX

- Casing Length
- Casing Width
- Casing Height
- **FN** (In-Floor Natural Convection)
- **FF** (In-Floor Forced Convection)
- **FHC** (In-Floor Heating & Cooling)
- Continuous Copper Tube Convector
- Soodia

INSTALLATION INSTRUCTIONS

(Fig. 1: Natural Convection, Cross-Flow Fan & Heating & Cooling Models)

1. **Site Check:** Verify pre-formed trench dimensions per Fig. 1.
2. **Levelling:** Place convector in trench; level all sections before connecting pipes.
3. **Piping:** Drill holes on the pipe side, install valves, and secure bolts.
4. **Backfilling:** Pressure test per standard protocols; backfill only when leak-free.



(Trimmable base edge | On-site trenching | Heating & Cooling)

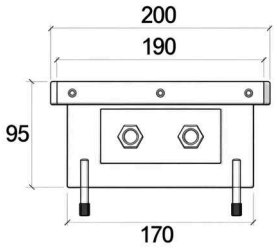
— Fig. 1 —

PIPING CONNECTION METHODS

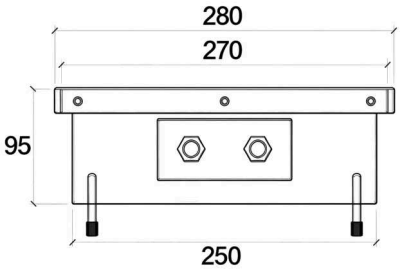
The convector casing extends 200 mm beyond the heating element. Holes can be pre-cut at the ends/sides per project requirements, or drilled on-site for connection to main supply pipes.
Connection sizes: DN15 / DN20.

Hydronic Trench Convector - Natural Convection

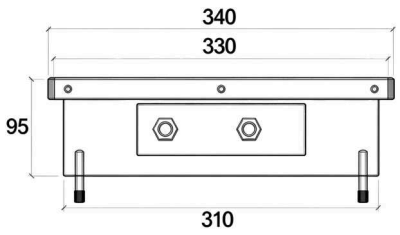
STLDFN-95-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-95-200/850	163	119	66	500	
STLDFN-95-200/1250	293	213	119	900	
STLDFN-95-200/1750	456	332	185	1400	
STLDFN-95-200/2250	619	450	251	1900	
STLDFN-95-200/2750	782	569	317	2400	
STLDFN-95-200/3250	945	687	383	2900	
Heat Output per Metre (W/m)	326	237	132	1000	

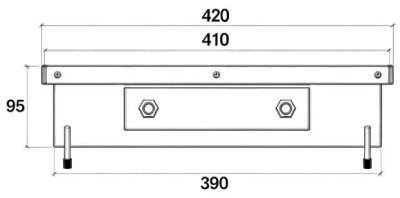
STLDFN-95-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-95-280/850	223	162	91	500	
STLDFN-95-280/1250	401	292	163	900	
STLDFN-95-280/1750	623	454	253	1400	
STLDFN-95-280/2250	846	616	344	1900	
STLDFN-95-280/2750	1068	778	434	2400	
STLDFN-95-280/3250	1291	940	525	2900	
Heat Output per Metre (W/m)	445	324	181	1000	

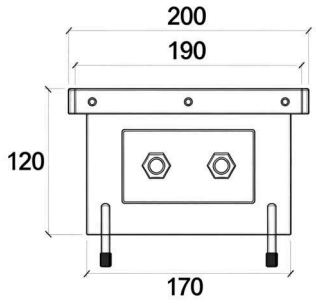
STLDFN-95-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-95-340/850	288	210	117	500	
STLDFN-95-340/1250	518	377	211	900	
STLDFN-95-340/1750	805	587	328	1400	
STLDFN-95-340/2250	1093	796	445	1900	
STLDFN-95-340/2750	1380	1006	562	2400	
STLDFN-95-340/3250	1668	1215	679	2900	
Heat Output per Metre (W/m)	575	419	234	1000	

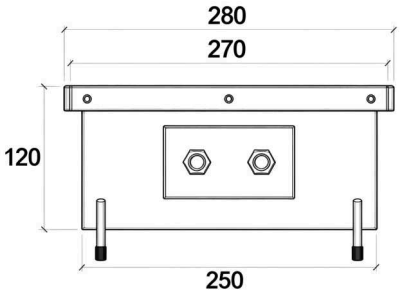
STLDFN-95-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-95-420/850	347	253	142	500	
STLDFN-95-420/1250	646	471	264	900	
STLDFN-95-420/1750	972	708	396	1400	
STLDFN-95-420/2250	1319	961	538	1900	
STLDFN-95-420/2750	1666	1214	679	2400	
STLDFN-95-420/3250	2013	1467	821	2900	
Heat Output per Metre (W/m)	694	506	283	1000	

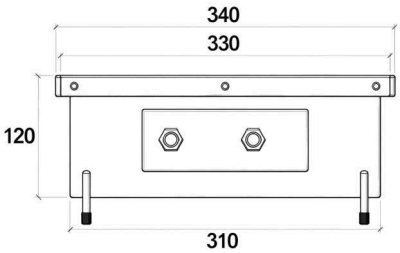
STLDFN-120-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-200/850	165	122	68	500	
STLDFN-120-200/1250	297	220	122	900	
STLDFN-120-200/1750	462	342	189	1400	
STLDFN-120-200/2250	627	464	257	1900	
STLDFN-120-200/2750	792	586	324	2400	
STLDFN-120-200/3250	957	708	392	2900	
Heat Output per Metre (W/m)	330	244	135	1000	

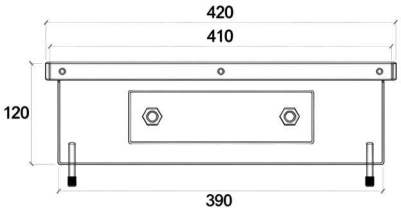
STLDFN-120-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-280/850	246	182	101	500	
STLDFN-120-280/1250	443	328	182	900	
STLDFN-120-280/1750	689	510	283	1400	
STLDFN-120-280/2250	935	692	384	1900	
STLDFN-120-280/2750	1181	874	485	2400	
STLDFN-120-280/3250	1427	1056	586	2900	
Heat Output per Metre (W/m)	492	364	202	1000	

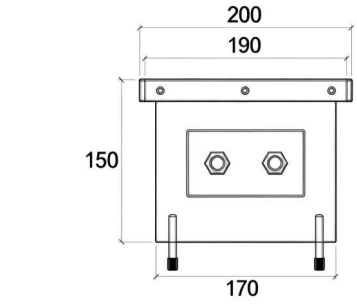
STLDFN-120-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-340/850	378	283	163	500	
STLDFN-120-340/1250	680	509	293	900	
STLDFN-120-340/1750	1057	792	455	1400	
STLDFN-120-340/2250	1435	1075	618	1900	
STLDFN-120-340/2750	1812	1358	780	2400	
STLDFN-120-340/3250	2190	1641	943	2900	
Heat Output per Metre (W/m)	755	566	325	1000	

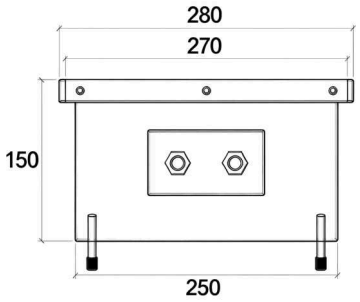
STLDFN-120-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-420/850	411	303	169	500	
STLDFN-120-420/1250	740	545	304	900	
STLDFN-120-420/1750	1151	847	473	1400	
STLDFN-120-420/2250	1562	1150	642	1900	
STLDFN-120-420/2750	1973	1452	811	2400	
STLDFN-120-420/3250	2384	1755	980	2900	
Heat Output per Metre (W/m)	822	605	338	1000	

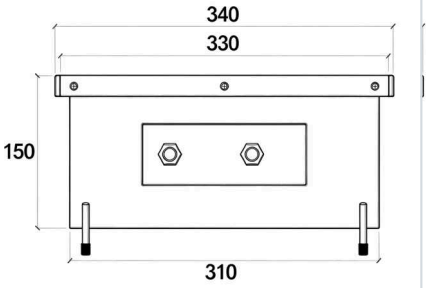
STLDFN-150-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-150-200/850	168	125	69	500	
STLDFN-150-200/1250	302	224	123	900	
STLDFN-150-200/1750	470	349	192	1400	
STLDFN-150-200/2250	638	473	260	1900	
STLDFN-150-200/2750	806	598	329	2400	
STLDFN-150-200/3250	974	722	397	2900	
Heat Output per Metre (W/m)	336	249	137	1000	

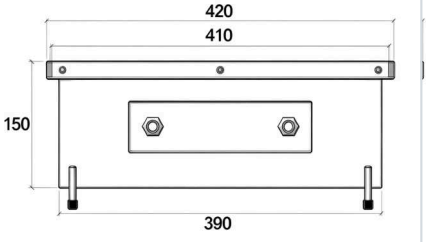
STLDFN-150-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-150-280/850	276	202	111	500	
STLDFN-150-280/1250	496	364	200	900	
STLDFN-150-280/1750	771	566	312	1400	
STLDFN-150-280/2250	1047	768	423	1900	
STLDFN-150-280/2750	1322	970	535	2400	
STLDFN-150-280/3250	1598	1172	647	2900	
Heat Output per Metre (W/m)	551	404	218	1000	

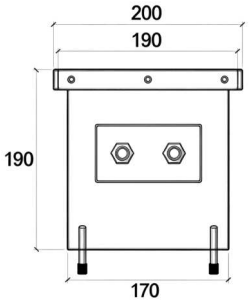
STLDFN-150-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-150-340/850	418	312	168	500	
STLDFN-150-340/1250	752	561	302	900	
STLDFN-150-340/1750	1170	872	470	1400	
STLDFN-150-340/2250	1588	1184	638	1900	
STLDFN-150-340/2750	2006	1495	806	2400	
STLDFN-150-340/3250	2424	1807	974	2900	
Heat Output per Metre (W/m)	836	623	336	1000	

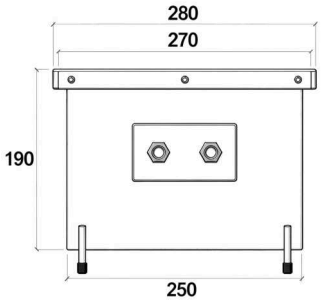
STLDFN-150-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-150-420/850	452	333	188	500	
STLDFN-150-420/1250	814	599	339	900	
STLDFN-150-420/1750	1266	931	528	1400	
STLDFN-150-420/2250	1718	1264	716	1900	
STLDFN-150-420/2750	2170	1596	905	2400	
STLDFN-150-420/3250	2622	1929	1093	2900	
Heat Output per Metre (W/m)	904	665	371	1000	

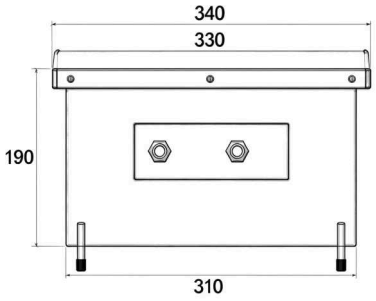
STLDFN-190-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-200/850	204	150	89	500	
STLDFN-190-200/1250	366	270	160	900	
STLDFN-190-200/1750	570	420	249	1400	
STLDFN-190-200/2250	773	570	338	1900	
STLDFN-190-200/2750	977	720	427	2400	
STLDFN-190-200/3250	1180	870	516	2900	
Heat Output per Metre (W/m)	407	300	167	1000	

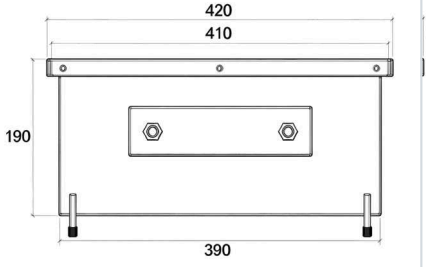
STLDFN-190-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-280/850	317	236	137	500	
STLDFN-190-280/1250	570	424	247	900	
STLDFN-190-280/1750	886	660	385	1400	
STLDFN-190-280/2250	1203	896	522	1900	
STLDFN-190-280/2750	1519	1132	660	2400	
STLDFN-190-280/3250	1836	1368	797	2900	
Heat Output per Metre (W/m)	633	466	260	1000	

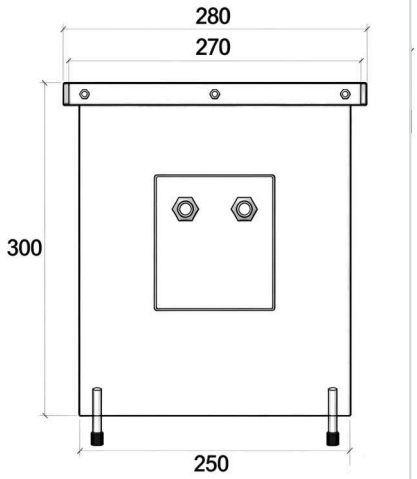
STLDFN-190-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-340/850	460	339	189	500	
STLDFN-190-340/1250	828	609	340	900	
STLDFN-190-340/1750	1288	948	529	1400	
STLDFN-190-340/2250	1748	1286	718	1900	
STLDFN-190-340/2750	2208	1625	907	2400	
STLDFN-190-340/3250	2668	1963	1096	2900	
Heat Output per Metre (W/m)	920	677	378	1000	

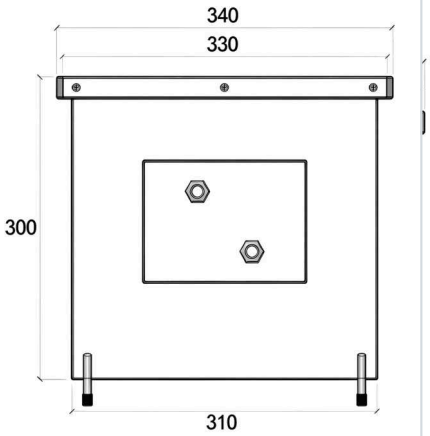
STLDFN-190-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-420/850	522	388	229	500	
STLDFN-190-420/1250	940	698	413	900	
STLDFN-190-420/1750	1462	1086	642	1400	
STLDFN-190-420/2250	1984	1474	872	1900	
STLDFN-190-420/2750	2506	1862	1101	2400	
STLDFN-190-420/3250	3028	2250	1331	2900	
Heat Output per Metre (W/m)	1044	769	429	1000	

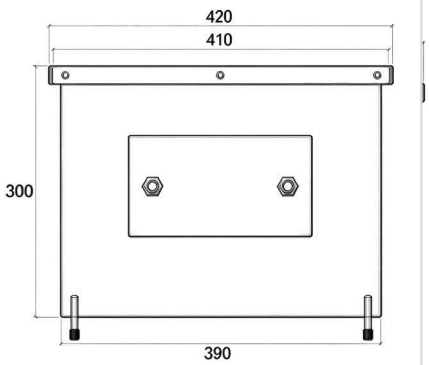
STLDFN-300-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-280/850	495	369	216	500	
STLDFN-300-280/1250	890	664	389	900	
STLDFN-300-280/1750	1385	1033	605	1400	
STLDFN-300-280/2250	1879	1402	821	1900	
STLDFN-300-280/2750	2374	1771	1037	2400	
STLDFN-300-280/3250	2868	2140	1253	2900	
Heat Output per Metre (W/m)	989	738	432	1000	

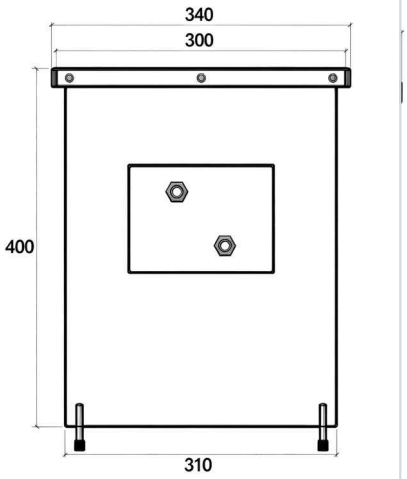
STLDFN-300-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-340/850	710	530	305	500	
STLDFN-300-340/1250	1277	954	549	900	
STLDFN-300-340/1750	1987	1484	854	1400	
STLDFN-300-340/2250	2696	2014	1159	1900	
STLDFN-300-340/2750	3406	2544	1464	2400	
STLDFN-300-340/3250	4115	3074	1769	2900	
Heat Output per Metre (W/m)	1419	1060	610	1000	

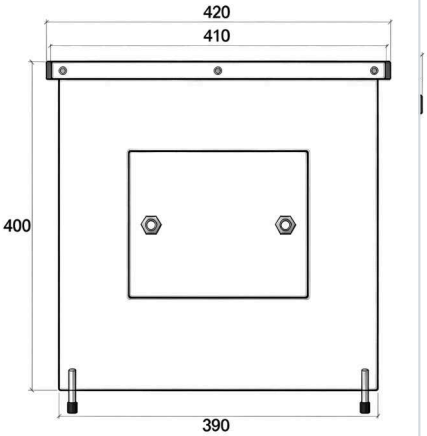
STLDFN-300-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-420/850	804	598	344	500	
STLDFN-300-420/1250	1446	1076	618	900	
STLDFN-300-420/1750	2250	1673	962	1400	
STLDFN-300-420/2250	3053	2271	1305	1900	
STLDFN-300-420/2750	3857	2868	1649	2400	
STLDFN-300-420/3250	4660	3466	1992	2900	
Heat Output per Metre (W/m)	1607	1195	687	1000	

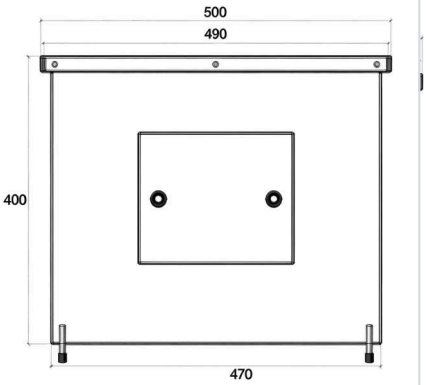
STLDFN-400-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-340/850	828	619	356	500	
STLDFN-400-340/1250	1490	1113	641	900	
STLDFN-400-340/1750	2318	1732	997	1400	
STLDFN-400-340/2250	3146	2350	1353	1900	
STLDFN-400-340/2750	3974	2969	1709	2400	
STLDFN-400-340/3250	4802	3587	2065	2900	
Heat Output per Metre (W/m)	1656	1237	712	1000	

STLDFN-400-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-420/850	1089	815	433	500	
STLDFN-400-420/1250	1959	1466	779	900	
STLDFN-400-420/1750	3048	2281	1212	1400	
STLDFN-400-420/2250	4136	3095	1645	1900	
STLDFN-400-420/2750	5225	3910	2078	2400	
STLDFN-400-420/3250	6313	4724	2511	2900	
Heat Output per Metre (W/m)	2177	1629	866	1000	

STLDFN-400-500/Length

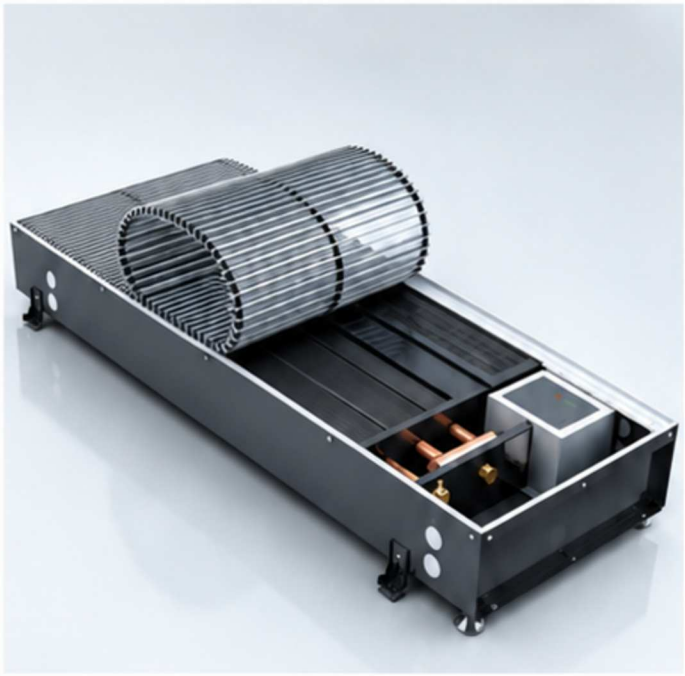
Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-500/850	1229	945	511	500	
STLDFN-400-500/1250	2211	1700	919	900	
STLDFN-400-500/1750	3440	2645	1429	1400	
STLDFN-400-500/2250	4668	3589	1940	1900	
STLDFN-400-500/2750	5897	4534	2450	2400	
STLDFN-400-500/3250	7125	5478	2961	2900	
Heat Output per Metre (W/m)	2457	1889	1021	1000	

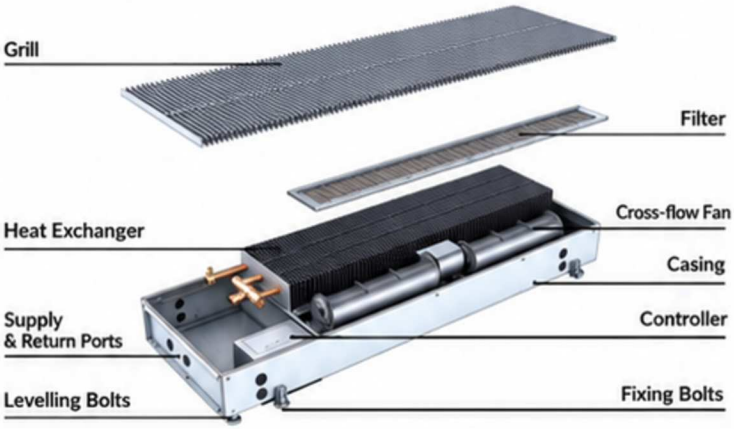
HYDRONIC TRENCH CONVECTOR

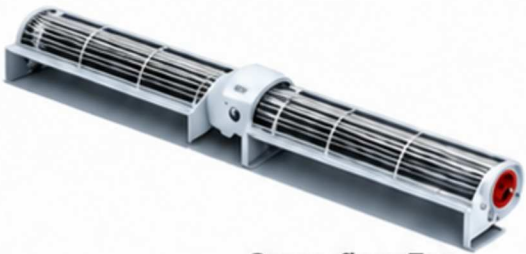


Forced Convection

Building on the natural convection design, the fan-assisted floor convector integrates cross-flow (tangential) fans to deliver significantly higher heat output from a compact footprint. This ensures rapid thermal response, exceptional energy efficiency, and whisper-quiet operation.



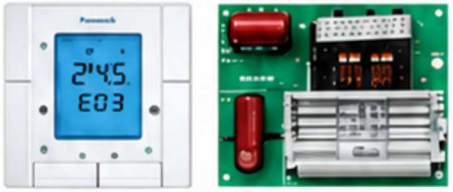




Cross-flow Fan

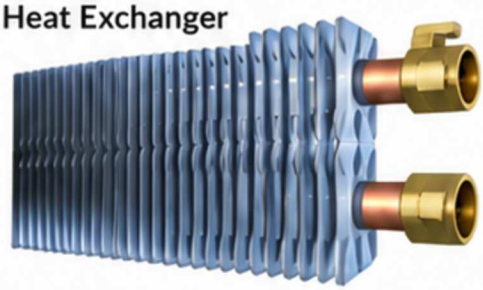


Solenoid Valve



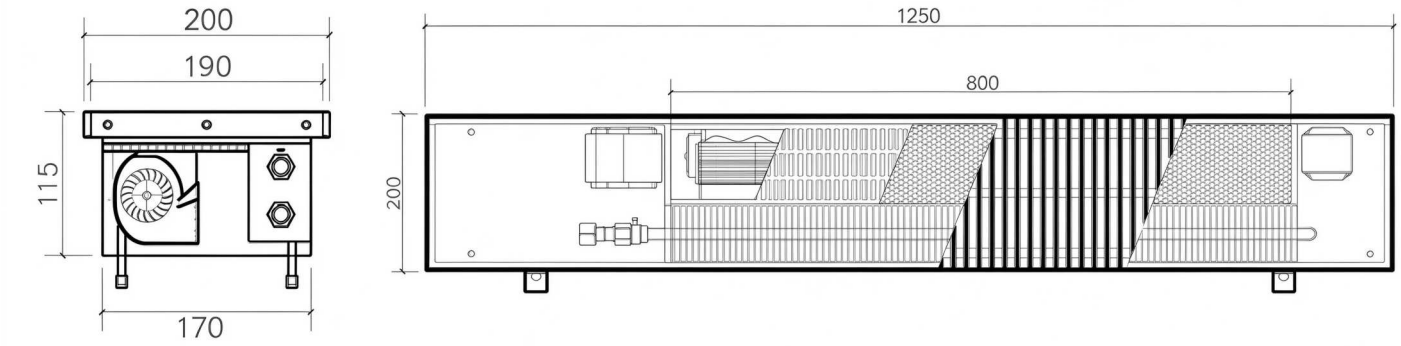
Temperature Controller

Heat Exchanger



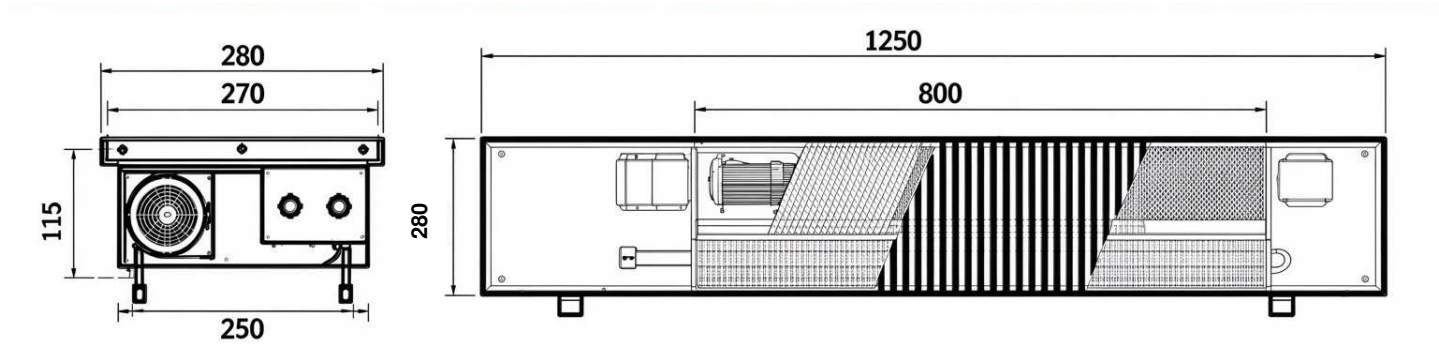
Hydronic Trench Convector - Forced Convection

STLDFF-115-200/Length



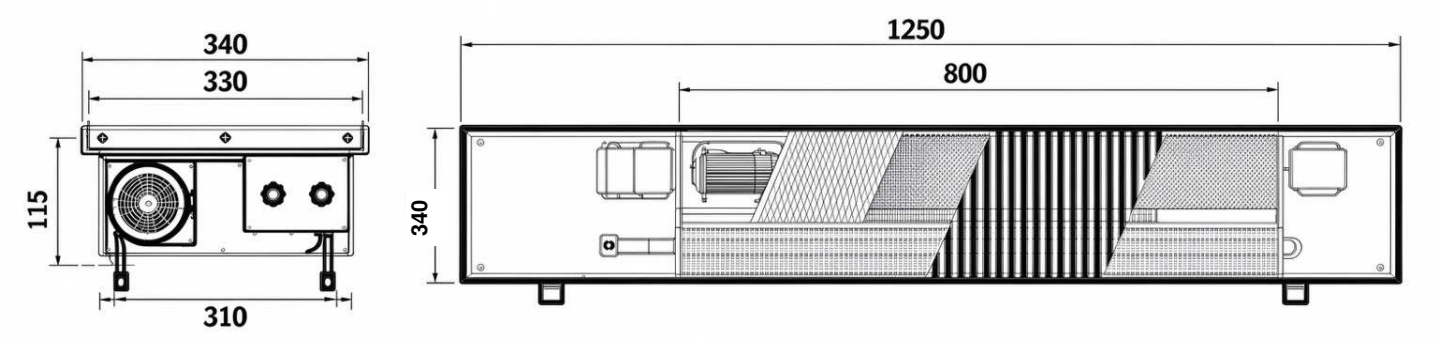
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Operating Heat Output (W)		
				64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STLDFF-115-200/1250	5	40	255	1467	1174	756
	4	30	200	1301	1024	647
	3	25	160	1210	945	587
	2	22	130	1070	829	507
	1	21	105	951	743	459
	Natural Convection	0	0	297	220	122
STLDFF-115-200/1750	5	41	383	2242	1794	1156
	4	31	300	1981	1560	986
	3	26	240	1857	1451	901
	2	23	195	1667	1292	790
	1	22	158	1489	1163	719
	Natural Convection	0	0	462	342	189
STLDFF-115-200/2250	5	42	510	3031	2425	1562
	4	32	400	2667	2100	1327
	3	27	320	2541	1985	1233
	2	24	260	2298	1781	1089
	1	23	210	2064	1613	997
	Natural Convection	0	0	627	464	257
STLDFF-115-200/2750	5	43	638	3796	3037	1957
	4	33	500	3352	2639	1668
	3	28	400	3208	2506	1557
	2	25	325	2899	2247	1374
	1	24	263	2610	2039	1261
	Natural Convection	0	0	792	586	324
STLDFF-115-200/3250	5	44	765	4617	3694	2380
	4	34	600	4049	3188	2014
	3	29	480	3845	3004	1867
	2	26	390	3496	2710	1657
	1	25	315	3145	2457	1519
	Natural Convection	0	0	957	708	392

STLDFF-115-280/Length



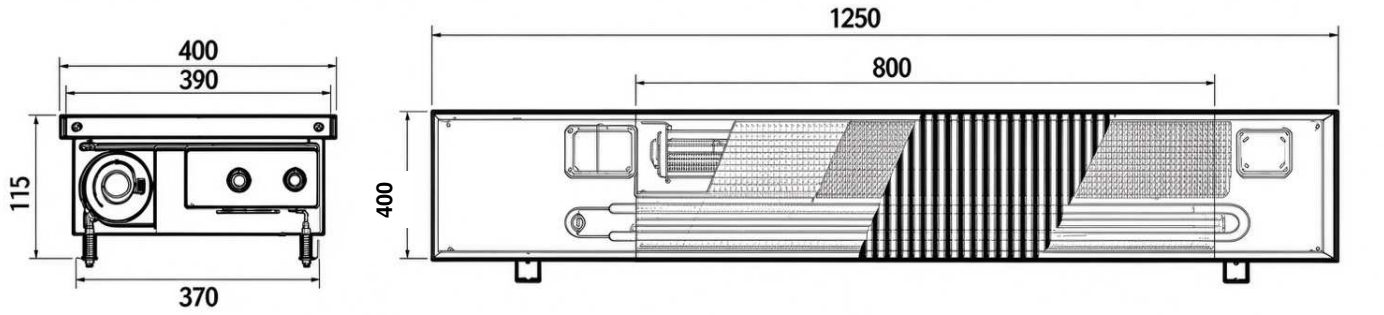
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Operating Heat Output (W)		
				64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STLDFF-115-280/1250	5	40	255	2190	1752	1129
	4	30	200	1761	1387	876
	3	25	160	1565	1223	760
	2	22	130	1366	1059	647
	1	21	105	1181	923	571
	Natural Convection	0	0	443	328	182
STLDFF-115-280/1750	5	41	383	3005	2404	1549
	4	31	300	2537	1998	1262
	3	26	240	2301	1798	1117
	2	23	195	2024	1569	959
	1	22	158	1761	1376	851
	Natural Convection	0	0	689	510	283
STLDFF-115-280/2250	5	42	510	3940	3152	2031
	4	32	400	3304	2602	1644
	3	27	320	3024	2363	1468
	2	24	260	2671	2071	1266
	1	23	210	2332	1822	1127
	Natural Convection	0	0	935	692	384
STLDFF-115-280/2750	5	43	638	4907	3926	2529
	4	33	500	4073	3207	2026
	3	28	400	3803	2971	1846
	2	25	325	3331	2582	1579
	1	24	263	2914	2277	1408
	Natural Convection	0	0	1181	874	485
STLDFF-115-280/3250	5	44	765	5852	4682	3016
	4	34	600	4867	3832	2421
	3	29	480	4499	3515	2184
	2	26	390	3992	3095	1892
	1	25	315	3494	2730	1688
	Natural Convection	0	0	1427	1056	586

STLDFF-115-340/Length



Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Operating Heat Output (W)		
				64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STLDFF-115-340/1250	5	40	255	2550	2040	1314
	4	30	200	2089	1645	1039
	3	25	160	1897	1482	921
	2	22	130	1688	1309	800
	1	21	105	1530	1195	739
	Natural Convection	0	0	680	509	293
STLDFF-115-340/1750	5	41	383	3684	2947	1899
	4	31	300	3035	2390	1510
	3	26	240	2701	2110	1311
	2	23	195	2515	1950	1192
	1	22	158	2263	1768	1093
	Natural Convection	0	0	1057	792	455
STLDFF-115-340/2250	5	42	510	4851	3881	2501
	4	32	400	4041	3182	2010
	3	27	320	3693	2885	1793
	2	24	260	3354	2600	1590
	1	23	210	2997	2341	1448
	Natural Convection	0	0	1435	1075	618
STLDFF-115-340/2750	5	43	638	6039	4831	3113
	4	33	500	4992	3931	2484
	3	28	400	4600	3594	2233
	2	25	325	4150	3217	1967
	1	24	263	3754	2933	1814
	Natural Convection	0	0	1812	1358	780
STLDFF-115-340/3250	5	44	765	7228	5782	3726
	4	34	600	5975	4705	2973
	3	29	480	5504	4300	2672
	2	26	390	4971	3853	2356
	1	25	315	4502	3517	2175
	Natural Convection	0	0	2190	1641	943

STLDFF-115-400/Length

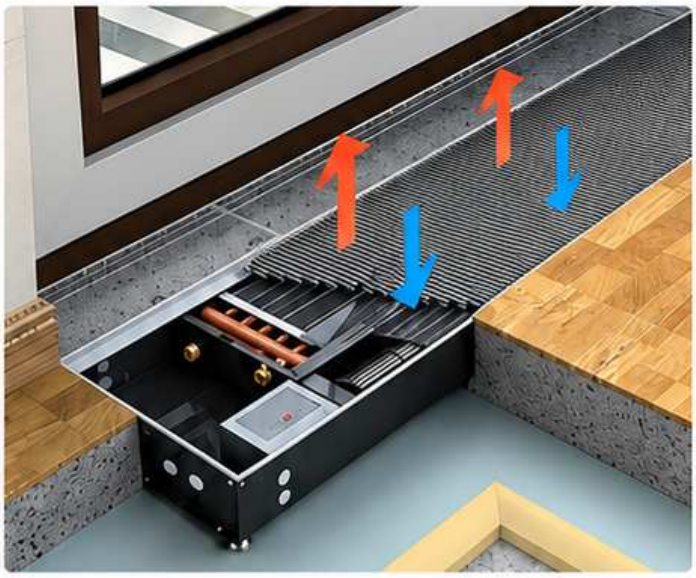


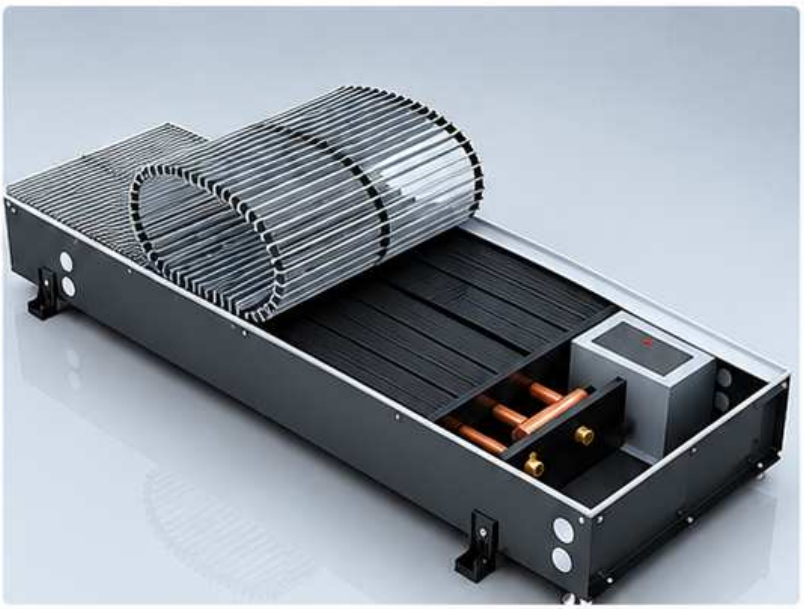
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Operating Heat Output (W)		
				64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STLDFF-115-400/1250	5	40	255	3471	2689	1654
	4	30	200	2843	2202	1355
	3	25	160	2613	2024	1245
	2	22	130	2348	1819	1119
	1	21	105	2082	1612	992
	Natural Convection	0	0	740	545	304
STLDFF-115-400/1750	5	41	383	5166	4005	2472
	4	31	300	4221	3272	2020
	3	26	240	3878	3006	1866
	2	23	195	3482	2699	1666
	1	22	158	3082	2389	1475
	Natural Convection	0	0	1151	847	473
STLDFF-115-400/2250	5	42	510	6901	5350	3302
	4	32	400	5646	4377	2702
	3	27	320	5185	4019	2481
	2	24	260	4655	3609	2227
	1	23	210	4124	3197	1973
	Natural Convection	0	0	1562	1150	642
STLDFF-115-400/2750	5	43	638	8635	6694	4132
	4	33	500	7068	5479	3382
	3	28	400	6491	5032	3106
	2	25	325	5830	4519	2790
	1	24	263	5165	4004	2472
	Natural Convection	0	0	1973	1452	811
STLDFF-115-400/3250	5	44	765	10371	8040	4963
	4	34	600	8482	6575	4059
	3	29	480	7799	6046	3732
	2	26	390	7004	5429	3334
	1	25	315	6206	4811	2970
	Natural Convection	0	0	2384	1755	980

HYDRONIC TRENCH 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.

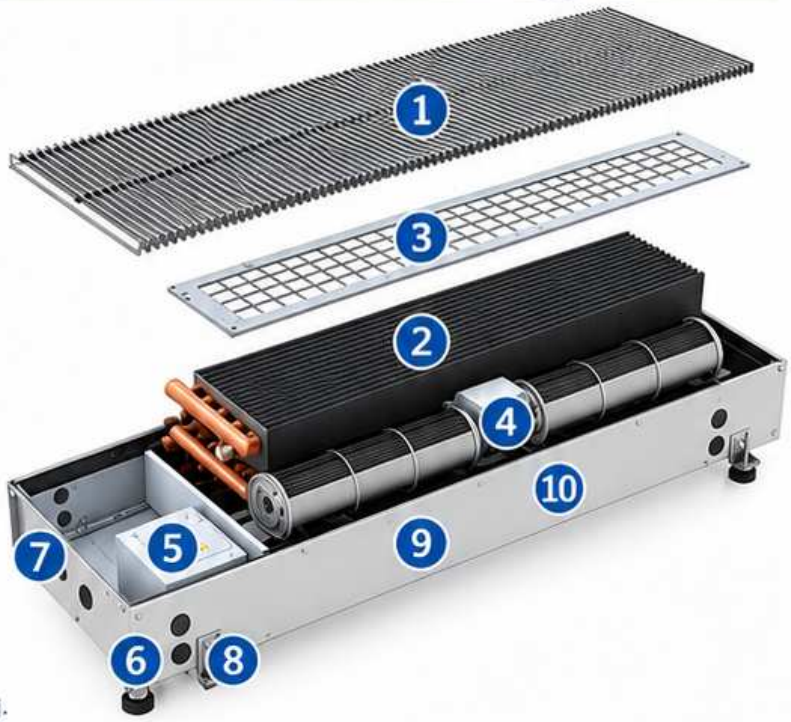
2. Heat Exchanger
99.99% pure copper tubes with hydrophilic aluminium fins; compact and high-efficiency.

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.

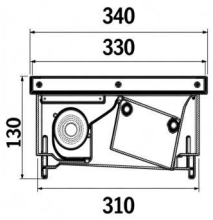
8. Fixing Brackets
Four 1.5 mm thick high-strength steel fixing brackets; robust and durable.

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

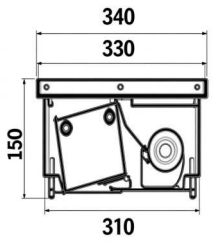
10. Casing
Galvanized steel casing with leak-free powder coating.

Hydronic Trench Convector - Heating and Cooling

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

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/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)

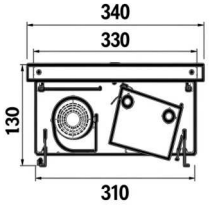
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-150-340/1250	5	38	340	2560	1345	48	1	0	0.6	
	4	33	250	2067	1104	42				
	3	26	211	1871	1035	37				
	2	23	191	1642	778	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.

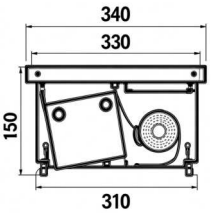
- Cooling Mode: Air inlet 27/19.5°C (DB/WB); Chilled water 7/12°C (In/Out).
- Heating Mode: Air inlet 21°C (DB); Hot water inlet 60°C (Same flow rate as cooling).

Hydronic Trench Convector - Heating and Cooling

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

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/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)

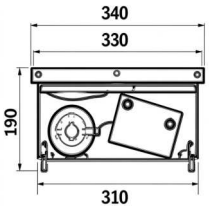
Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/h)	Capacity (W)		Power Input (W)	Fan Qty.	Air Pressure (Pa)	Water Resistance (kPa)	Product Diagram
				Heating	Cooling					
STLDFHC-150-340/1250	5	38	340	1502	1288	48	1	0	0.5	
	4	33	250	1341	1048	42				
	3	26	211	1199	957	37				
	2	23	191	1076	759	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).

Hydronic Trench Convector - Heating and Cooling

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

Model	Fan Speed	Sound Pressure Level (dB)	Airflow (m^3/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 (m^3/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	0~244	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).



HYDRONIC PERIMETER CONVECTORS

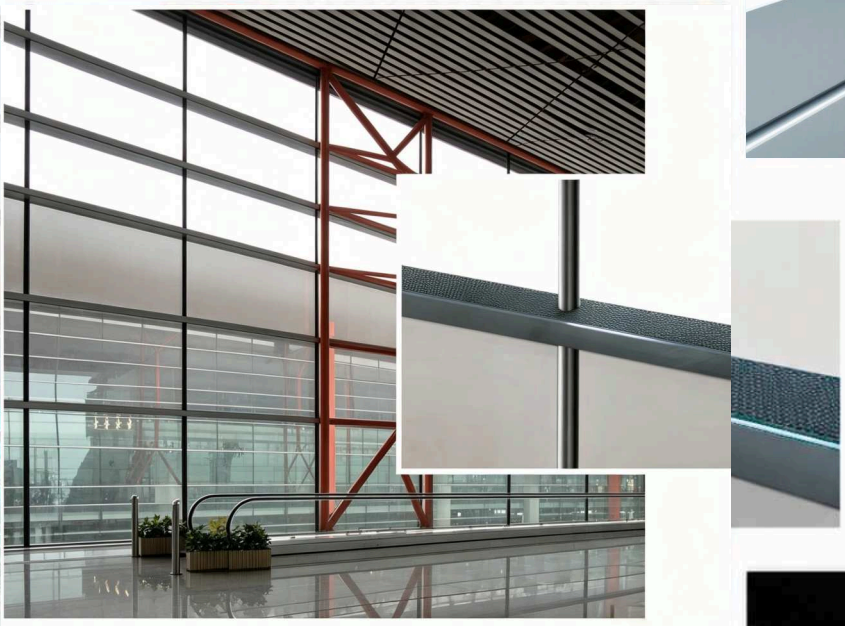
SOODIA hydronic perimeter convectors follow the architectural lines of window sills, glazed façades and interior walls. Straight, corner and curved configurations allow the units to fit the building layout, combining a copper-tube heat exchanger with a discreet decorative enclosure.

The range includes natural convection and heating and cooling models. Standard sizes and customised dimensions, shapes and connection arrangements are available to suit the project's installation space and system requirements.

PERIMETER CONVECTOR

Designed to run along window sills and glazed façades, providing perimeter heating within a coordinated architectural enclosure.





CURTAIN WALL

The heat exchanger can be incorporated into a suitable curtain-wall enclosure, helping to counter cold downdraughts near the glazing.



WALL ENCLOSED

Straight sections, corners and curves can be arranged along interior walls, with dimensions and finishes tailored to the room layout.

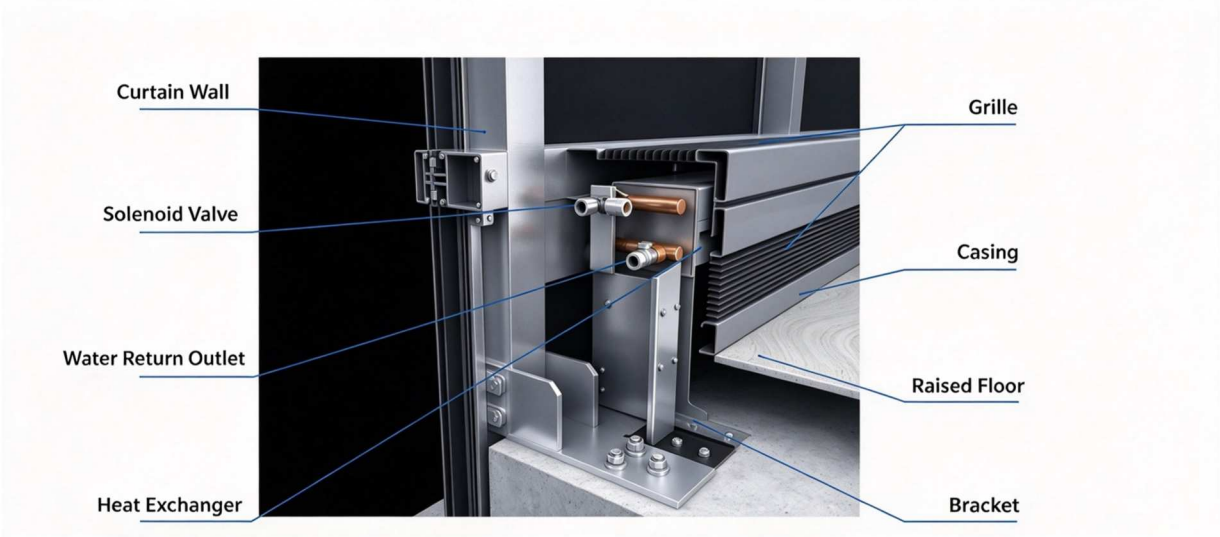
STLDXXX-XXX-XXX/XXXX

- Casing Length
- Casing Depth
- Casing Height
- Core Model
- DS (Bottom Inlet, Top Outlet)
- DQ (Bottom Inlet, Front Outlet)
- OS (Front Inlet, Top Outlet)
- HC (Heating & Cooling)
- Continuous Copper-Tube Convector
- SOODIA

HYDRONIC PERIMETER CONVECTOR

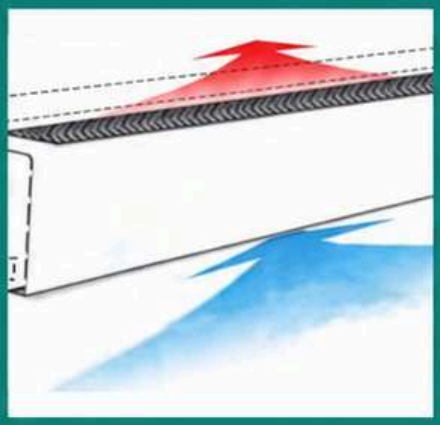
Natural Convection Convector







Hydronic Perimeter Convector



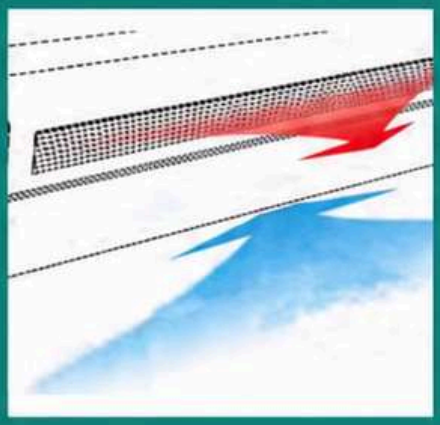
NATURAL CONVECTION

Airflow Direction

Bottom Inlet / Top Outlet

Model	Heat Output(w) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Length (mm)	Width (mm)	Height (mm)
STLDDS IV -300-150/1000	1045	763	421	1000	150	300
STLDDS I -300-150/1000	996	727	402			
STLDDS II -300-150/1000	1190	869	480			
STLDDS V -300-150/1000	1233	900	497			
STLDDS IV -300-200/1000	1097	801	442	1000	200	300
STLDDS I -300-200/1000	1051	767	424			
STLDDS II -300-200/1000	1375	1004	554			
STLDDS V -300-200/1000	1442	1053	581			
STLDDS V -600-150/1000	1623	1185	654	1000	150	600
STLDDS I -600-150/1000	1171	855	472			
STLDDS II -600-150/1000	1556	1136	627			
STLDDS VII -600-150/1000	2034	1485	820			
STLDDS I -600-200/1000	1288	940	519	1000	200	600
STLDDS II -600-200/1000	1634	1193	659			
STLDDS III -600-200/1000	2167	1582	874			
STLDDS VII -600-200/1000	2885	2106	1163			
STLDDS V -600-200/1000	1705	1245	688			
STLDDS VI -600-200/1000	1977	1443	797			

Hydronic Perimeter Convector



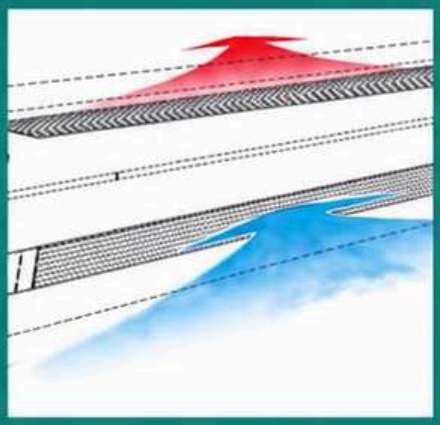
NATURAL CONVECTION

Airflow Direction

Bottom Inlet / Front Outlet

Model	Heat Output(w) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Length (mm)	Width (mm)	Height (mm)
STLDDO IV -300-150/1000	773	564	312	1000	150	300
STLDDQ I -300-150/1000	725	529	292			
STLDDQ V -300-150/1000	936	683	377			
STLDDO IV -300-200/1000	847	618	342	1000	200	300
STLDDQ I -300-200/1000	785	573	317			
STLDDQ V -300-200/1000	1024	747	413			
STLDDQ V -600-150/1000	1280	934	516	1000	150	600
STLDDQ I -600-150/1000	987	720	398			
STLDDO II -600-150/1000	1214	886	490			
STLDDO VII -600-150/1000	1468	1072	592			
STLDDQ I -600-200/1000	1077	786	434	1000	200	600
STLDDQ II -600-200/1000	1356	990	547			
STLDDO III -600-200/1000	2160	1577	871			
STLDDQ VII -600-200/1000	2780	2029	1121			
STLDDQ V -600-200/1000	1402	1023	565			
STLDDO VI -600-200/1000	1720	1255	694			

Hydronic Perimeter Convector



NATURAL CONVECTION

Airflow Direction

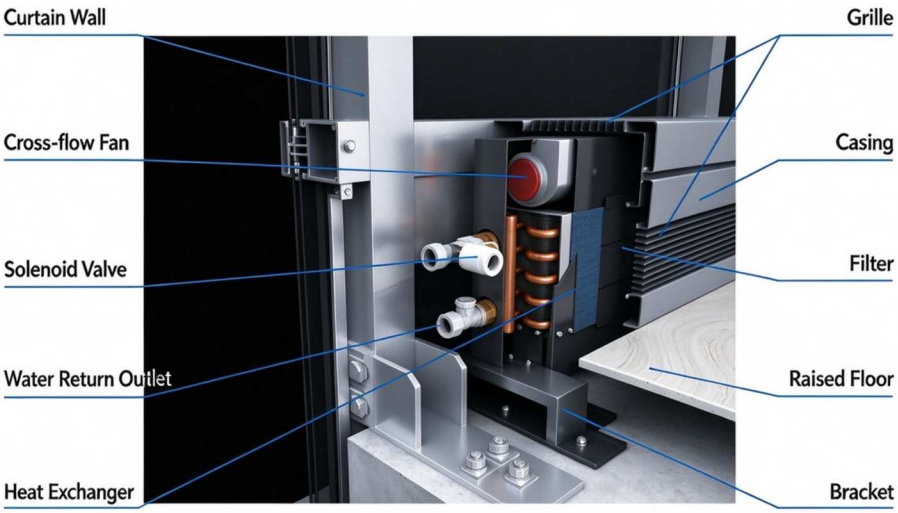
Front Inlet / Top Outlet

Model	Heat Output(w) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Length (mm)	Width (mm)	Height (mm)
STLDQS IV -300-150/1000	624	455	252	1000	150	300
STLDQS I -300-150/1000	586	428	236			
STLDQS V -300-150/1000	798	582	322			
STLDQS IV -300-200/1000	673	491	271	1000	200	300
STLDQS I -300-200/1000	627	458	253			
STLDQS V -300-200/1000	889	649	358			
STLDQS V -600-150/1000	1102	804	444	1000	150	600
STLDQS I -600-150/1000	805	588	325			
STLDQS II -600-150/1000	1044	762	421			
STLDQS VII -600-150/1000	1295	945	522			
STLDQS I -600-200/1000	899	656	363	1000	200	600
STLDQS II -600-200/1000	1183	864	477			
STLDQS III -600-200/1000	2005	1464	808			
STLDQS VII -600-200/1000	2604	1901	1050			
STLDQS V -600-200/1000	1224	893	494			
STLDQS VI -600-200/1000	1568	1145	632			

HYDRONIC PERIMETER CONVECTOR

Heating & Cooling







Hydronic Perimeter Convector

Heating and Cooling Type (4-Pipe)

Model	Fan Speed	Sound Pressure (dB)	Airflow (m3/h)	Rated Heating Capacity (W)		Length (mm)	Width (mm)	Height (mm)
				Cooling	Heating			
STLDHCa-600-180/1250	5	46	276	769	1768	1250	180	600
	4	39	250	709	1659			
	3	32	221	651	1553			
	2	29	189	594	1443			
	1	27	165	548	1356			
STLDHCa-600-180/2000	5	48	549	1531	3411	2000	180	600
	4	41	495	1412	3203			
	3	34	443	1298	2998			
	2	31	381	1183	2786			
	1	29	330	1093	2618			
STLDHCa-600-180/2750	5	50	826	2317	5064	2750	180	600
	4	43	745	2138	4755			
	3	36	662	1964	4451			
	2	33	571	1791	4136			
	1	31	497	1653	3886			
STLDHCb-600-210/1250	5	49	265	1322	2053	1250	210	600
	4	39	235	1220	1894			
	3	35	211	1121	1740			
	2	28	185	1022	1587			
	1	27	150	943	1466			
STLDHCb-600-210/2000	5	51	525	2668	4136	2000	210	600
	4	41	475	2461	3815			
	3	37	420	2262	3506			
	2	30	365	2062	3196			
	1	29	320	1904	2951			

Hydronic Perimeter Convector

Heating and Cooling Type (4-Pipe)

Model	Fan Speed	Sound Pressure (dB)	Airflow (m3/h)	Rated Heating Capacity (W)		Length (mm)	Width (mm)	Height (mm)
				Cooling	Heating			
STLDHCb-600-210/2750	5	53	785	3991	6189	2750	210	600
	4	43	710	3681	5710			
	3	39	630	3382	5246			
	2	32	545	3084	4782			
	1	31	475	2847	4417			
STLDHCc-600-240/1250	5	48	250	2097	2345	1250	240	600
	4	40	225	1934	2165			
	3	36	200	1778	1987			
	2	29	175	1620	1811			
	1	27	150	1496	1673			
STLDHCc-600-240/2000	5	50	495	4238	4717	2000	240	600
	4	42	445	2899	4358			
	3	38	395	3593	4005			
	2	31	345	3274	3650			
	1	29	300	3024	3371			
STLDHCc-600-240/2750	5	52	745	5894	7069	2750	240	600
	4	44	670	5438	6521			
	3	40	595	4996	5991			
	2	33	515	4554	5461			
	1	31	445	4206	5044			

Hydronic Perimeter Convector

Heating and Cooling Type (4-Pipe)

Model	Fan Speed	Sound Pressure (dB)	Airflow (m3/h)	Rated Heating Capacity (W)		Length (mm)	Width (mm)	Height (mm)
				Cooling	Heating			
STLDHCa-600-180/1250	5	46	276	1101	2631	1250	180	600
	4	39	250	1015	2427			
	3	32	221	933	2230			
	2	29	189	850	2033			
	1	27	165	786	1878			
STLDHCa-600-180/2000	5	48	549	2218	5308	2000	180	600
	4	41	495	2046	4895			
	3	34	443	1880	4499			
	2	31	381	1714	4101			
	1	29	330	1583	3786			
STLDHCa-600-180/2750	5	50	826	3319	7938	2750	180	600
	4	43	745	3061	7323			
	3	36	662	2813	6728			
	2	33	571	2564	6133			
	1	31	497	2368	5664			
STLDHCb-600-210/1250	5	49	265	1761	4351	1250	210	600
	4	39	235	1625	4014			
	3	35	211	1493	3688			
	2	28	185	1361	3362			
	1	27	150	1257	3105			
STLDHCb-600-210/2000	5	51	525	3557	8793	2000	210	600
	4	41	475	3281	8111			
	3	37	420	3015	7453			
	2	30	365	2748	6693			
	1	29	320	2538	6274			

Hydronic Perimeter Convector

Heating and Cooling Type (2-Pipe)

Model	Fan Speed	Sound Pressure (dB)	Airflow (m3/h)	Rated Heating Capacity (W)		Length (mm)	Width (mm)	Height (mm)
				Cooling	Heating			
STLDHCb-600-210/2750	5	53	785	5318	13144	2750	210	600
	4	43	710	4903	12124			
	3	39	630	4508	11140			
	2	32	545	4109	10156			
	1	31	475	3795	9378			
STLDHCc-600-240/1250	5	48	250	2650	6665	1250	240	600
	4	40	225	2444	6148			
	3	36	200	2246	5649			
	2	29	175	2047	5150			
	1	27	150	1891	4755			
STLDHCc-600-240/2000	5	50	495	5359	13486	2000	240	600
	4	42	445	4943	12440			
	3	38	395	4542	11430			
	2	31	345	4140	10419			
	1	29	300	3824	9622			
STLDHCc-600-240/2750	5	52	745	8008	20151	2750	240	600
	4	44	670	7387	18592			
	3	40	595	6788	17079			
	2	33	515	6188	15570			
	1	31	445	5715	14378			



FREESTANDING HYDRONIC CONVECTORS

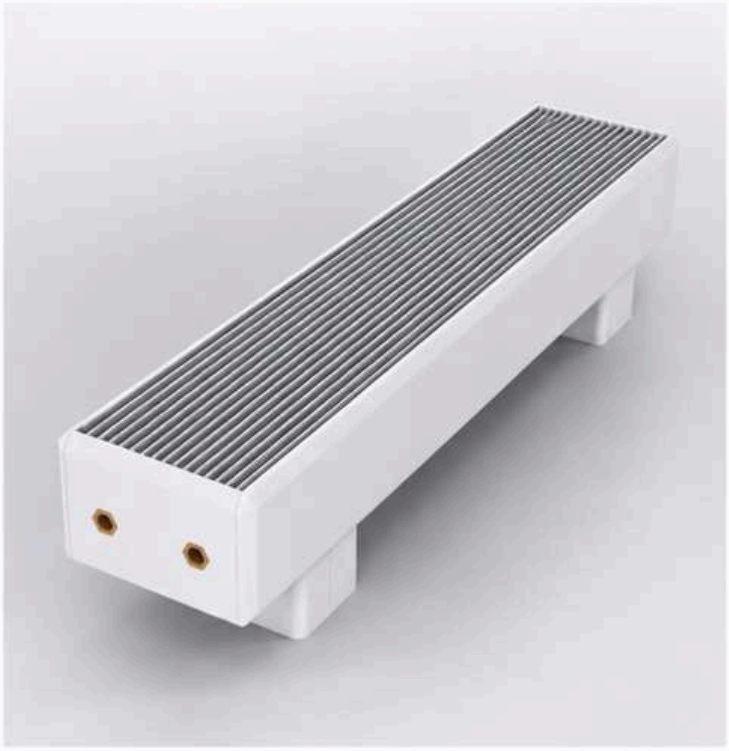
SOODIA freestanding hydronic convectors provide floor-mounted heating for spaces where the unit remains visible within the interior. Their streamlined enclosures combine a copper-tube heat exchanger with accessible connection details for installation and maintenance.

Series 01 offers exposed connection arrangements, while Series 02 conceals the pipework and valve area for a more integrated appearance. Both standard models and customised dimensions and configurations are available to suit the project layout.



Freestanding Hydronic Convectors

Series 01



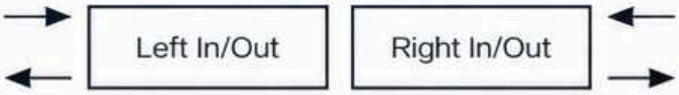
Series 01 combines a compact enclosure with exposed pipe connections. Side and bottom connection options allow the unit to be coordinated with the project's pipework, while leaving the connection area accessible for installation and servicing.

Model Designation

STDDRMX-XXX-XXX/XXXX

- Casing Length
- Casing Thickness
- Casing Height
- C (Side Inlet/Outlet)
- D (Bottom Inlet/Outlet)
- Thermal Curtain Series
- Copper Single Convector
- Soodia

CONNECTION TYPES



Note: Top supply and bottom return. Connections must be made in accordance with the diagram.

CONNECTION SIZE

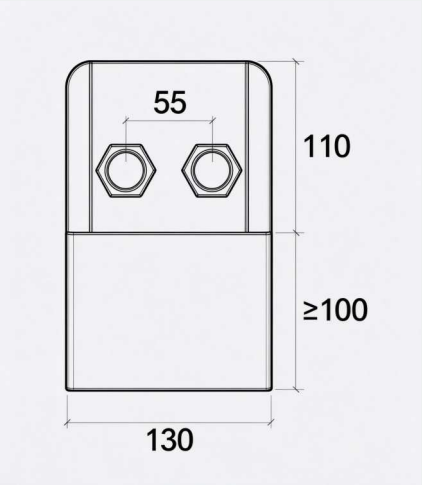
Both side and bottom connections are available in DN15 and DN20.
Custom connection sizes are available upon request.

Freestanding Hydronic Convector
Series 01

STDDMYC-110-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STDDMYC-110-130/800	576	423	238
STDDMYC-110-130/1000	720	529	298
STDDMYC-110-130/1200	864	635	358
STDDMYC-110-130/1400	1008	741	417
STDDMYC-110-130/1600	1152	846	477
STDDMYC-110-130/1800	1296	952	536
STDDMYC-110-130/2000	1440	1058	596
STDDMYC-110-130/2200	1584	1164	656

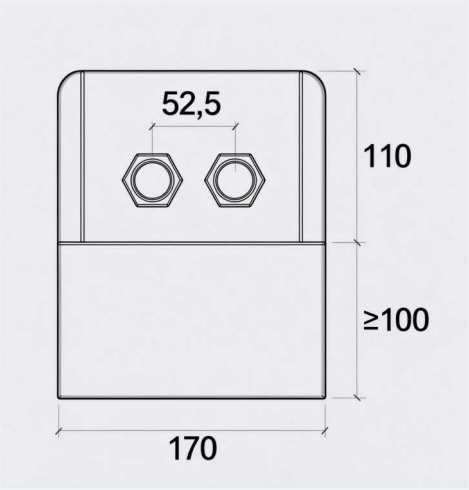
Product Diagram



STDDMYC-110-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STDDMYC-110-170/800	712	523	295
STDDMYC-110-170/1000	890	654	369
STDDMYC-110-170/1200	1068	785	443
STDDMYC-110-170/1400	1246	916	517
STDDMYC-110-170/1600	1424	1046	590
STDDMYC-110-170/1800	1602	1177	664
STDDMYC-110-170/2000	1780	1308	738
STDDMYC-110-170/2200	1958	1439	812

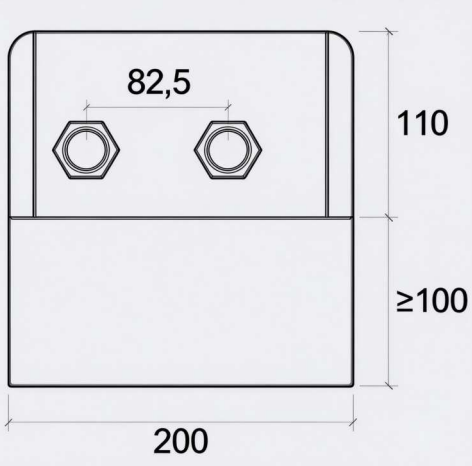
Product Diagram



STDDMYC-110-200/Length

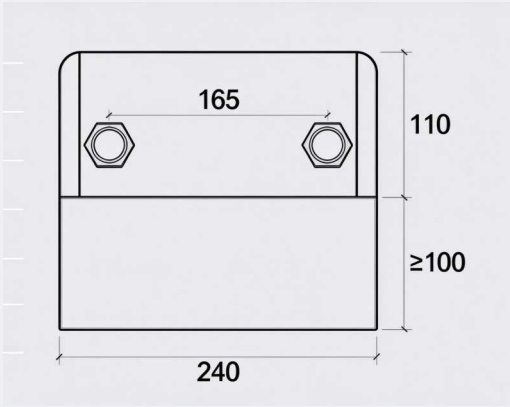
Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
STDDMYC-110-200/800	740	544	306
STDDMYC-110-200/1000	925	680	383
STDDMYC-110-200/1200	1110	816	460
STDDMYC-110-200/1400	1295	952	536
STDDMYC-110-200/1600	1480	1088	613
STDDMYC-110-200/1800	1665	1224	689
STDDMYC-110-200/2000	1850	1360	766
STDDMYC-110-200/2200	2035	1496	843

Product Diagram



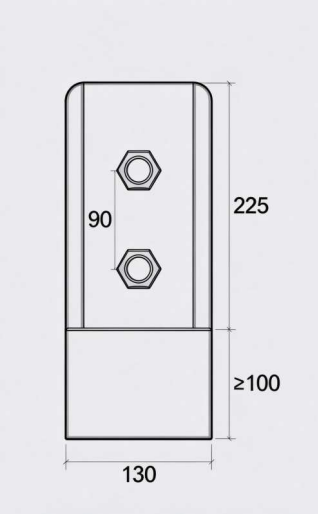
STDDMYC-110-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-110-240/800	1013	744	420	
STDDMYC-110-240/1000	1266	930	525	
STDDMYC-110-240/1200	1519	1116	630	
STDDMYC-110-240/1400	1772	1302	735	
STDDMYC-110-240/1600	2026	1488	840	
STDDMYC-110-240/1800	2279	1674	945	
STDDMYC-110-240/2000	2532	1860	1050	
STDDMYC-110-240/2200	2785	2046	1155	



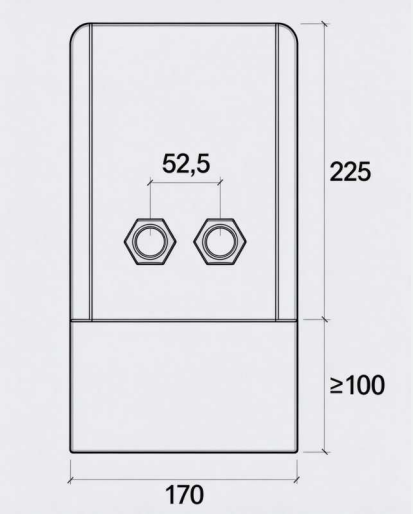
STDDMYC-225-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-225-130/800	829	609	344	
STDDMYC-225-130/1000	1036	761	430	
STDDMYC-225-130/1200	1243	913	516	
STDDMYC-225-130/1400	1450	1065	602	
STDDMYC-225-130/1600	1658	1218	688	
STDDMYC-225-130/1800	1865	1370	774	
STDDMYC-225-130/2000	2072	1522	860	
STDDMYC-225-130/2200	2279	1674	946	

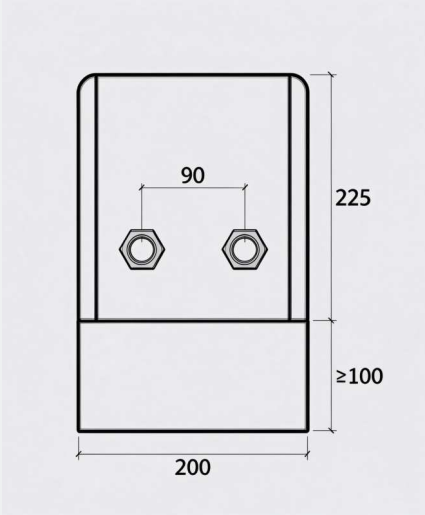


STDDMYC-225-170/Length

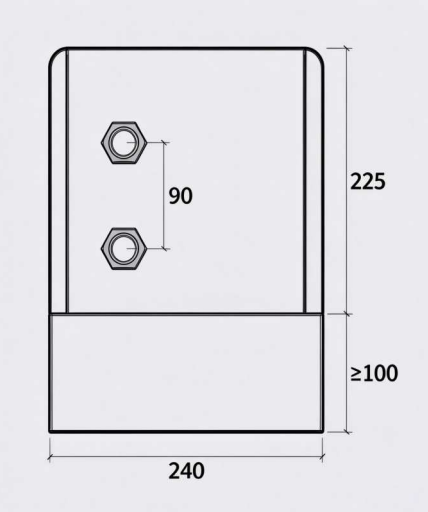
Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-225-170/800	890	654	370	
STDDMYC-225-170/1000	1112	817	463	
STDDMYC-225-170/1200	1334	980	556	
STDDMYC-225-170/1400	1557	1144	648	
STDDMYC-225-170/1600	1779	1307	741	
STDDMYC-225-170/1800	2002	1471	833	
STDDMYC-225-170/2000	2224	1634	926	
STDDMYC-225-170/2200	2446	1797	1019	



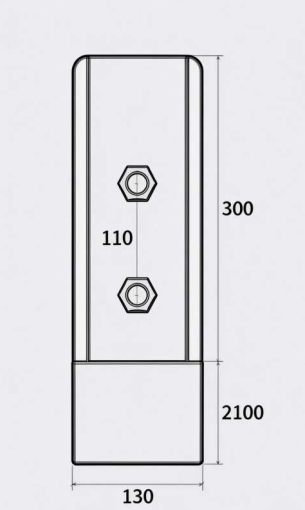
STDDMYC-225-200/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-225-200/800	1028	756	426	
STDDMYC-225-200/1000	1285	945	533	
STDDMYC-225-200/1200	1542	1134	640	
STDDMYC-225-200/1400	1799	1323	746	
STDDMYC-225-200/1600	2056	1512	852	
STDDMYC-225-200/1800	2313	1701	959	
STDDMYC-225-200/2000	2570	1890	1066	
STDDMYC-225-200/2200	2827	2079	1173	

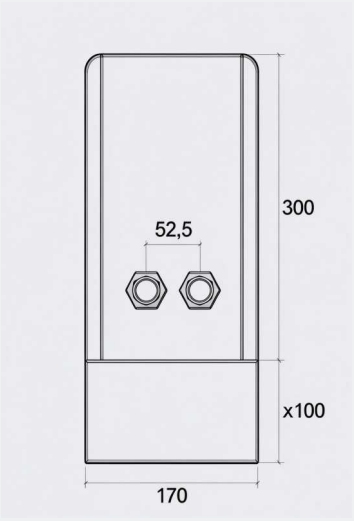
STDDMYC-225-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-225-240/800	1638	1205	664	
STDDMYC-225-240/1000	2048	1506	830	
STDDMYC-225-240/1200	2458	1807	996	
STDDMYC-225-240/1400	2867	2108	1162	
STDDMYC-225-240/1600	3277	2410	1328	
STDDMYC-225-240/1800	3686	2711	1494	
STDDMYC-225-240/2000	4096	3012	1660	
STDDMYC-225-240/2200	4506	3313	1826	

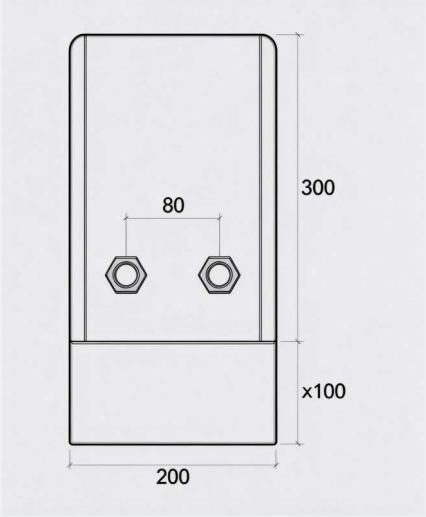
STDDMYC-300-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-300-130/800	920	676	382	
STDDMYC-300-130/1000	1150	845	477	
STDDMYC-300-130/1200	1380	1014	572	
STDDMYC-300-130/1400	1610	1183	668	
STDDMYC-300-130/1600	1840	1352	763	
STDDMYC-300-130/1800	2070	1521	859	
STDDMYC-300-130/2000	2300	1690	954	
STDDMYC-300-130/2200	2530	1859	1049	

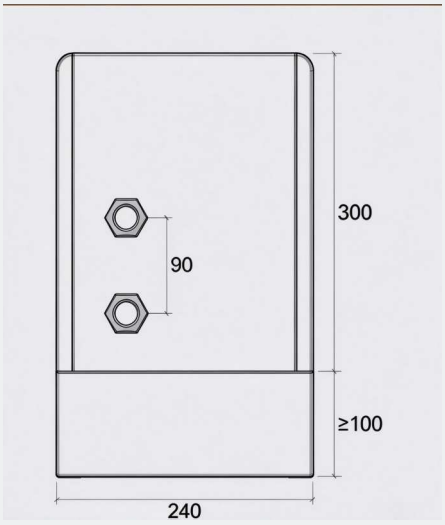
STDDMYC-300-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-300-170/800	980	721	407	
STDDMYC-300-170/1000	1225	901	509	
STDDMYC-300-170/1200	1470	1081	611	
STDDMYC-300-170/1400	1715	1261	713	
STDDMYC-300-170/1600	1960	1442	814	
STDDMYC-300-170/1800	2205	1622	916	
STDDMYC-300-170/2000	2450	1802	1018	
STDDMYC-300-170/2200	2695	1982	1120	

STDDMYC-300-200/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-300-200/800	1160	853	481	
STDDMYC-300-200/1000	1450	1066	601	
STDDMYC-300-200/1200	1740	1279	721	
STDDMYC-300-200/1400	2030	1492	841	
STDDMYC-300-200/1600	2320	1706	962	
STDDMYC-300-200/1800	2610	1919	1082	
STDDMYC-300-200/2000	2900	2132	1202	
STDDMYC-300-200/2200	3190	2345	1322	

STDDMYC-300-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYC-300-240/800	1678	1234	696	
STDDMYC-300-240/1000	2098	1542	870	
STDDMYC-300-240/1200	2518	1850	1044	
STDDMYC-300-240/1400	2937	2159	1218	
STDDMYC-300-240/1600	3357	2467	1392	
STDDMYC-300-240/1800	3776	2776	1566	
STDDMYC-300-240/2000	4196	3084	1740	
STDDMYC-300-240/2200	4616	3392	1914	



Freestanding Hydronic Convectors

Series 02

Series 02 conceals the pipework and valves within the connection area for a clean, coordinated appearance. Its rounded enclosure suits residential, commercial and public interiors where visible detailing is an important part of the design.



01

Precision connection design.

02

Hidden valve design for easy control.





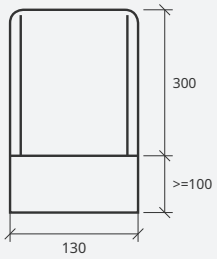
03

Concealed piping and rounded, sharp-free edges for a sleek, decorative look.

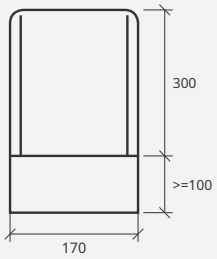
Freestanding Hydronic Convector

Series 02

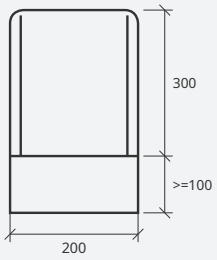
STDDMYD-300-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-300-130/800	748	549	310	
STDDMYD-300-130/1000	978	718	405	
STDDMYD-300-130/1200	1208	887	501	
STDDMYD-300-130/1400	1438	1056	596	
STDDMYD-300-130/1600	1668	1225	692	
STDDMYD-300-130/1800	1898	1394	787	
STDDMYD-300-130/2000	2128	1563	882	
STDDMYD-300-130/2200	2358	1732	978	

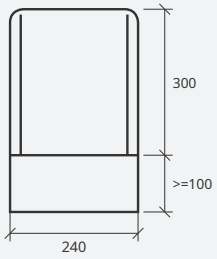
STDDMYD-300-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-300-170/800	796	586	331	
STDDMYD-300-170/1000	1041	766	433	
STDDMYD-300-170/1200	1286	946	534	
STDDMYD-300-170/1400	1531	1126	636	
STDDMYD-300-170/1600	1776	1306	738	
STDDMYD-300-170/1800	2021	1487	840	
STDDMYD-300-170/2000	2266	1667	942	
STDDMYD-300-170/2200	2511	1847	1043	

STDDMYD-300-200/Length

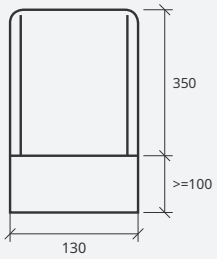
Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-300-200/800	943	693	391	
STDDMYD-300-200/1000	1233	906	511	
STDDMYD-300-200/1200	1523	1119	631	
STDDMYD-300-200/1400	1813	1333	751	
STDDMYD-300-200/1600	2103	1546	871	
STDDMYD-300-200/1800	2393	1759	992	
STDDMYD-300-200/2000	2683	1972	1112	
STDDMYD-300-200/2200	2973	2185	1232	

STDDMYD-300-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-300-240/800	1364	1002	566	
STDDMYD-300-240/1000	1783	1311	740	
STDDMYD-300-240/1200	2203	1619	914	
STDDMYD-300-240/1400	2623	1928	1088	
STDDMYD-300-240/1600	3042	2236	1262	
STDDMYD-300-240/1800	3462	2544	1436	
STDDMYD-300-240/2000	3881	2853	1610	
STDDMYD-300-240/2200	4301	3161	1784	

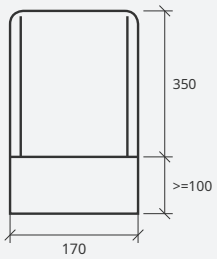
STDDMYD-350-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-350-130/800	773	568	321	
STDDMYD-350-130/1000	1011	743	420	
STDDMYD-350-130/1200	1248	918	518	
STDDMYD-350-130/1400	1486	1093	617	
STDDMYD-350-130/1600	1724	1268	716	
STDDMYD-350-130/1800	1962	1443	815	
STDDMYD-350-130/2000	2200	1617	913	
STDDMYD-350-130/2200	2437	1792	1012	



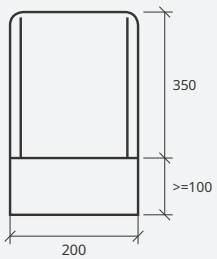
STDDMYD-350-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-350-170/800	824	605	342	
STDDMYD-350-170/1000	1077	791	447	
STDDMYD-350-170/1200	1330	977	552	
STDDMYD-350-170/1400	1584	1164	657	
STDDMYD-350-170/1600	1837	1350	762	
STDDMYD-350-170/1800	2091	1536	867	
STDDMYD-350-170/2000	2344	1722	972	
STDDMYD-350-170/2200	2597	1908	1077	



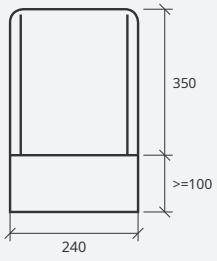
STDDMYD-350-200/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-350-200/800	977	770	406	
STDDMYD-350-200/1000	1278	1007	531	
STDDMYD-350-200/1200	1578	1244	655	
STDDMYD-350-200/1400	1879	1480	780	
STDDMYD-350-200/1600	2179	1717	905	
STDDMYD-350-200/1800	2480	1954	1030	
STDDMYD-350-200/2000	2781	2191	1155	
STDDMYD-350-200/2200	3081	2428	1280	



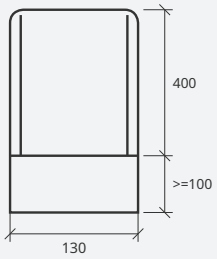
STDDMYD-350-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-350-240/800	1388	1020	575	
STDDMYD-350-240/1000	1815	1334	752	
STDDMYD-350-240/1200	2242	1648	929	
STDDMYD-350-240/1400	2669	1962	1106	
STDDMYD-350-240/1600	3096	2276	1283	
STDDMYD-350-240/1800	3523	2590	1461	
STDDMYD-350-240/2000	3950	2904	1638	
STDDMYD-350-240/2200	4377	3218	1815	



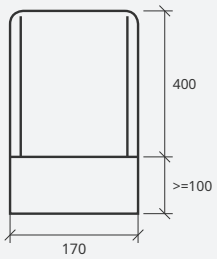
STDDMYD-400-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-400-130/800	788	580	328	
STDDMYD-400-130/1000	1031	758	429	
STDDMYD-400-130/1200	1274	937	530	
STDDMYD-400-130/1400	1516	1115	630	
STDDMYD-400-130/1600	1759	1293	731	
STDDMYD-400-130/1800	2001	1472	832	
STDDMYD-400-130/2000	2244	1650	933	
STDDMYD-400-130/2200	2487	1828	1034	



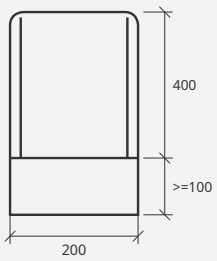
STDDMYD-400-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-400-170/800	849	624	352	
STDDMYD-400-170/1000	1110	816	460	
STDDMYD-400-170/1200	1371	1008	569	
STDDMYD-400-170/1400	1633	1200	677	
STDDMYD-400-170/1600	1894	1392	785	
STDDMYD-400-170/1800	2155	1584	894	
STDDMYD-400-170/2000	2416	1777	1002	
STDDMYD-400-170/2200	2677	1969	1110	



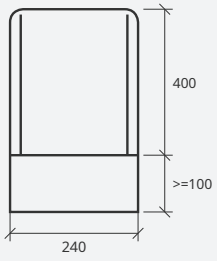
STDDMYD-400-200/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-400-200/800	1019	749	423	
STDDMYD-400-200/1000	1333	980	553	
STDDMYD-400-200/1200	1646	1211	683	
STDDMYD-400-200/1400	1960	1441	813	
STDDMYD-400-200/1600	2274	1672	943	
STDDMYD-400-200/1800	2587	1902	1074	
STDDMYD-400-200/2000	2901	2133	1204	
STDDMYD-400-200/2200	3214	2364	1334	



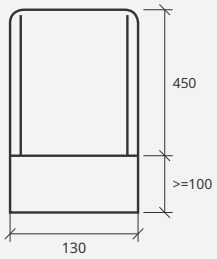
STDDMYD-400-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-400-240/800	1422	1046	590	
STDDMYD-400-240/1000	1860	1368	772	
STDDMYD-400-240/1200	2297	1689	953	
STDDMYD-400-240/1400	2735	2011	1135	
STDDMYD-400-240/1600	3173	2333	1316	
STDDMYD-400-240/1800	3610	2655	1498	
STDDMYD-400-240/2000	4048	2976	1680	
STDDMYD-400-240/2200	4485	3298	1861	



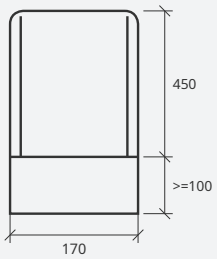
STDDMYD-450-130/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-450-130/800	813	597	337	
STDDMYD-450-130/1000	1063	781	441	
STDDMYD-450-130/1200	1313	965	544	
STDDMYD-450-130/1400	1563	1149	648	
STDDMYD-450-130/1600	1813	1333	751	
STDDMYD-450-130/1800	2063	1517	855	
STDDMYD-450-130/2000	2313	1700	959	
STDDMYD-450-130/2200	2563	1884	1062	



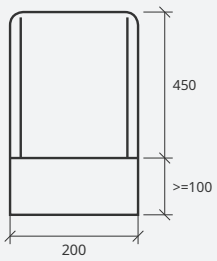
STDDMYD-450-170/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-450-170/800	879	646	365	
STDDMYD-450-170/1000	1149	845	477	
STDDMYD-450-170/1200	1420	1044	589	
STDDMYD-450-170/1400	1690	1243	701	
STDDMYD-450-170/1600	1960	1441	813	
STDDMYD-450-170/1800	2231	1640	926	
STDDMYD-450-170/2000	2501	1839	1038	
STDDMYD-450-170/2200	2772	2038	1150	



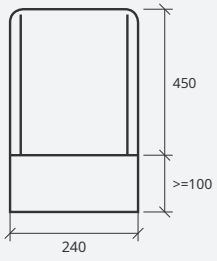
STDDMYD-450-200/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-450-200/800	1047	771	435	
STDDMYD-450-200/1000	1369	1008	568	
STDDMYD-450-200/1200	1692	1245	702	
STDDMYD-450-200/1400	2014	1482	836	
STDDMYD-450-200/1600	2336	1719	969	
STDDMYD-450-200/1800	2658	1956	1103	
STDDMYD-450-200/2000	2980	2193	1237	
STDDMYD-450-200/2200	3303	2430	1370	



STDDMYD-450-240/Length

Model	Heat Output (W) 64°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Product Diagram
STDDMYD-450-240/800	1453	1069	603	
STDDMYD-450-240/1000	1901	1398	789	
STDDMYD-450-240/1200	2348	1726	974	
STDDMYD-450-240/1400	2795	2055	1160	
STDDMYD-450-240/1600	3242	2384	1345	
STDDMYD-450-240/1800	3689	2713	1531	
STDDMYD-450-240/2000	4137	3042	1716	
STDDMYD-450-240/2200	4584	3370	1902	



WALL-MOUNTED HYDRONIC CONVECTOR

Compact · Efficient · Reliable
For Residential & Commercial Applications



Product Overview

SOODIA wall-mounted hydronic convectors combine a copper-tube, aluminium-fin heat exchanger with a slim decorative enclosure. Natural convection delivers heat without a fan, making the range suitable for residential, commercial and public buildings, including schools and healthcare facilities.

Model Code Explanation

SXTDD-XXX-XXX-XXXX/X15-1.0

- Working pressure (MPa)
- Connection size (1/2")
- Air outlet (S: top, Q: front, X: inclined)
- Plate length (mm)
- Plate height (mm)
- Plate depth (mm)
- Copper-aluminium convector
- SOODIA





Standard models are available in a range of lengths, heights and depths. Custom dimensions, colours, connection arrangements and private-label options can be specified to suit new-build and refurbishment projects.

Key Advantages

Slim Architectural Design
Compact and modern appearance with straight edges, easy to integrate into different interior styles.

Efficient Natural Convection
Optimised heat exchanger design delivers stable and efficient heating without fan, with low energy consumption.

Low Surface Temperature
Convection heating provides a safer surface temperature, suitable for public buildings, schools and healthcare facilities.

Even Room Temperature
Natural air circulation ensures more even heat distribution and improved indoor comfort.

Lightweight & Easy Installation
Compact structure and reduced water content make the unit lighter and easier to install, saving time and labour cost.

Durable and Low Maintenance
High-quality copper-aluminium components offer excellent corrosion resistance and long service life, with minimal maintenance.

Multiple Sizes Available
Various lengths, heights and depths are available to meet different project requirements. Custom dimensions can be provided.

OEM / Private Label Service
Colour, size, logo and packaging can be customised to meet different markets and project needs.

Wall-Mounted Hydronic Convector

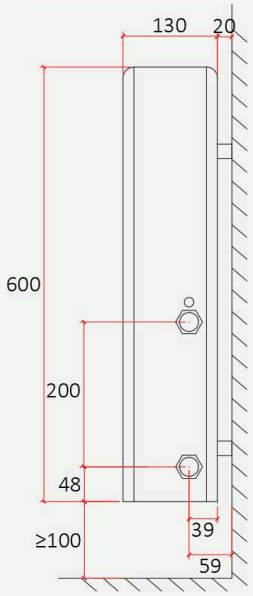
Straight lines, a slim enclosure and a top outlet grille create a clean architectural appearance. Dimensions and connection details can be coordinated with the available wall space and pipework layout.







Installation Diagram



Heat Output Chart

Model	Overall Dimensions			Operating Heat Output (W)		
	L (mm)	D (mm)	H (mm)	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)
S4TDD-600-130-1000/S15-1.0-DXQ	1000	130	600	2073	1561	910
S4TDD-600-130-1100/S15-1.0-DXQ	1100	130	600	2280	1717	1001
S4TDD-600-130-1200/S15-1.0-DXQ	1200	130	600	2488	1873	1092
S4TDD-600-130-1300/S15-1.0-DXQ	1300	130	600	2695	2029	1183
S4TDD-600-130-1400/S15-1.0-DXQ	1400	130	600	2902	2185	1274
S4TDD-600-130-1500/S15-1.0-DXQ	1500	130	600	3110	2342	1365
S4TDD-600-130-1600/S15-1.0-DXQ	1600	130	600	3317	2498	1456
S4TDD-600-130-1700/S15-1.0-DXQ	1700	130	600	3524	2654	1547
S4TDD-600-130-1800/S15-1.0-DXQ	1800	130	600	3731	2810	1638
S4TDD-600-130-1900/S15-1.0-DXQ	1900	130	600	3939	2966	1729
S4TDD-600-130-2000/S15-1.0-DXQ	2000	130	600	4146	3122	1820
S4TDD-470-130-1000/S15-1.0-DXQ	1000	130	470	1937	1436	802
S4TDD-470-130-1100/S15-1.0-DXQ	1100	130	470	2130	1580	882
S4TDD-470-130-1200/S15-1.0-DXQ	1200	130	470	2324	1723	962
S4TDD-470-130-1300/S15-1.0-DXQ	1300	130	470	2518	1867	1043
S4TDD-470-130-1400/S15-1.0-DXQ	1400	130	470	2711	2010	1123
S4TDD-470-130-1500/S15-1.0-DXQ	1500	130	470	2905	2154	1203
S4TDD-470-130-1600/S15-1.0-DXQ	1600	130	470	3099	2298	1283
S4TDD-470-130-1700/S15-1.0-DXQ	1700	130	470	3292	2441	1363
S4TDD-470-130-1800/S15-1.0-DXQ	1800	130	470	3486	2585	1444
S4TDD-470-130-1900/S15-1.0-DXQ	1900	130	470	3680	2728	1524
S4TDD-470-130-2000/S15-1.0-DXQ	2000	130	470	3873	2872	1604

DESIGN & SERVICE

From concept to production, installation and after-sales support.

01

Requirement Analysis

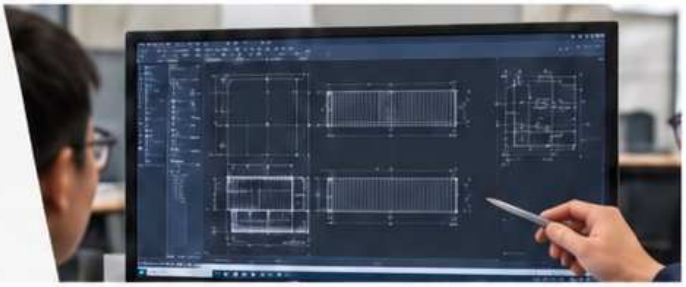
We assess project requirements, site conditions and performance needs to develop suitable product solutions.



02

Product & Engineering Design

Our design and engineering teams optimize product appearance, structure and technical specifications for each project.



03

Prototype & Performance Testing

Prototypes are produced and tested to verify thermal performance, structure and design before mass production.



04

Precision Manufacturing

Controlled manufacturing processes and high-quality materials ensure consistent product quality and reliable performance.



05

Installation & Commissioning Support

We provide technical guidance for installation, commissioning and on-site project requirements.



06

After-Sales Support

We provide responsive technical assistance and after-sales support throughout the product lifecycle.



PROJECT REFERENCES

Selected applications across commercial, institutional and industrial buildings.



01 | **International Airport Terminal — Beijing**
Public infrastructure



02 | **Technology Company Campus — Beijing**
Office and R&D buildings



03 | **International Hotel — Haikou**
Hospitality



04 | **University Campus — Shenyang**
Education



05 | **Industrial Manufacturing Facility — Zhengzhou**
Industrial buildings



06 | **Commercial Complex — Beijing**
Commercial building