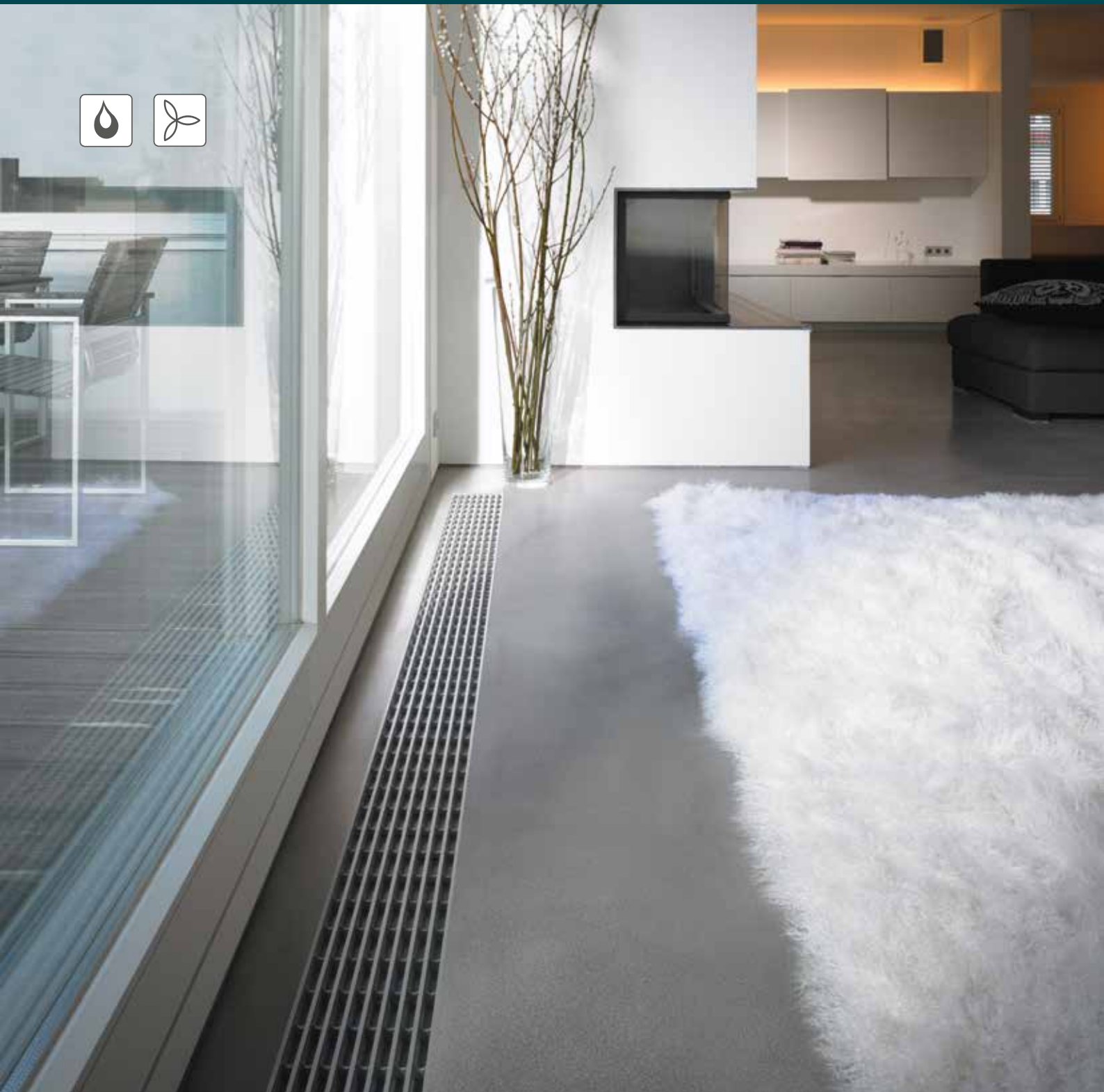




Zehnder Terraline Zehnder Terraline Neo

Prices and Technology 2023 - Sales International

always the best climate



ALWAYS THE BEST CLIMATE

“We strive to improve the quality of life by providing the finest indoor climate solutions.”



Excellent team

Every day we combine passion, expert knowledge and commitment to give you the best results.



Great solutions, products and services

Great products and unique service for an energy-efficient, healthy and comfortable indoor climate.

WE ARE THE SPECIALISTS FOR A HEALTHY, COMFORTABLE AND ENERGY-EFFICIENT

The broad and clearly structured portfolio from the Zehnder Group is split into five product lines. Consequently, we can provide our customers with the right product, perfect system and matching service for all types of projects – from new build to renovations, single or multi-occupancy homes, as well as commercial projects. This variety ensures that our wealth of experience is continuously expanding, providing tangible added value to our customers on a daily basis.



Comfortable indoor ventilation

Our comfortable indoor ventilation is energy-efficient and provides a healthy indoor climate. It promotes the wellbeing of the occupants and increases the value of the property.

OUR BRAND REPRESENTS INNOVATION, QUALITY AND DESIGN

zehnder

The Zehnder brand offers excellent indoor climate solutions within the product lines of decorative radiators, comfortable indoor ventilation, heating and cooling ceiling and clean air solutions.

INNOVATION OVER 5 GENERATIONS



First choice for customers

Always close to the needs of our customers, to grow with you and overcome all challenges together.

MANUFACTURER OF THE WORLD'S

1st

STEEL AND BATHROOM RADIATORS

REPRESENTED IN MORE THAN

70 COUNTRIES

AROUND

3,500

EMPLOYEES

17 OF OUR OWN PRODUCTION PLANTS IN EUROPE, NORTH AMERICA AND CHINA

INNOVATION SINCE **1895**

900 PATENTS AND DESIGN RIGHTS THROUGHOUT THE WORLD

AROUND **40,000**

TRAINED CUSTOMERS PER YEAR

INDOOR CLIMATE



Decorative radiators

Our individual decorative radiators make every room – whether at home or in commercial or public buildings – not only warmer, but also more attractive. They combine iconic design with outstanding comfort experience.



Heating and cooling ceiling

The ceiling is the perfect place to supply a room with convenient heating and cooling. Energy-efficient climate via radiant panels work perfectly with our suite of solutions from office to manufacturing spaces.

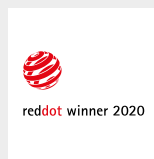


Clean air solutions

Air cleaning systems from Zehnder effectively reduce the amount of dust and other particles in the air. The result: clean working environments, significantly improved employee health and enhanced business performance.

BEST QUALITY CERTIFICATES

Zehnder Group products are frequently awarded prizes for design and innovative technology.





General Sales and Delivery Conditions:

Our General Sales and Delivery Conditions apply. You can find these under “Legal notice” on our homepage at www.international.zehnder-systems.com.

Zehnder Terraline, Zehnder Terraline Neo



	Overview of models	Product description	Special versions	Connections	Technical specifications	Installation / fixing
Zehnder Terraline – Version with natural convection						
 <ul style="list-style-type: none"> ■ High-quality finish ■ Quick response time ■ Wide range of models 	6	8	22	34	36	70
Zehnder Terraline Neo – Version with fan-assisted convection						
 <ul style="list-style-type: none"> ■ High-quality finish ■ Quick response time ■ Wide range of models 	7	9	22	35	56	70

Zehnder Terraline



Zehnder Terraline – Version with natural convection



Type UN-...-17



Type UN-...-21





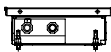
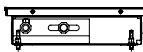
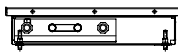


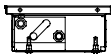
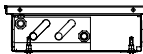
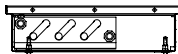


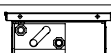
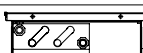
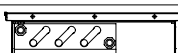



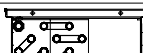

Type UN-...-25



Type UN-...-34



Type UN-...-42

Height* mm	Depth* mm				
	170	215	255	340	420
90	 UN-09-17	 UN-09-21	 UN-09-25	 UN-09-34	 UN-09-42
110	 UN-11-17	 UN-11-21	 UN-11-25	 UN-11-34	 UN-11-42
145	 UN-14-17	 UN-14-21	 UN-14-25	 UN-14-34	 UN-14-42
190	 UN-19-17	 UN-19-21	 UN-19-25	 UN-19-34	 UN-19-42

* including frame

Zehnder Terraline Neo

Zehnder Terraline Neo – Version with fan-assisted convection



Type UFT...-17




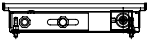











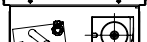
Type UFT...-21



Type UFT...-25



Type UFT...-34

Height* mm	Depth* mm			
	170	215	255	340
70			 UFT-07-25	 UFT-07-34
90	 UFT-09-17	 UFT-09-21	 UFT-09-25	 UFT-09-34
110	 UFT-11-17	 UFT-11-21	 UFT-11-25	 UFT-11-34
145	 UFT-14-17	 UFT-14-21	 UFT-14-25	 UFT-14-34

* including frame

Zehnder Terraline



Zehnder Terraline with linear grille



Zehnder Terraline with transverse grille

Product description

Zehnder Terraline — functional convector technology without compromising aesthetics. Zehnder Terraline consists of a casing containing a copper-aluminium heat emitter and is available in 4 heights and 5 depths. This wide model range is continued in the large number of standard lengths, ranging in small increments from the shortest model at 800 mm to the longest at 4800 mm. Individual radiators can be easily connected in series to form longer heating strips. Special sizes and specific project-related requirements supplement the standard range. The only components of Zehnder Terraline which remain visible after installation and completion of the floor are the standard frame and the related designer grille in a linear or transverse design. The frame, which is factory-installed in the standard version, is primarily a visual element and therefore has an elegant mitre cut at the corners. Installation is also possible without a designer frame, in which case the grilles are laid directly into the upstand of casing. Whether installed with or without a designer frame, the different sizes must be taken into consideration in the detailed planning process. For example, if an order is placed without a frame, then the grilles are supplied in a different width. Made from aluminium, both the designer frame and the designer grille come with an anodised surface in a natural finish as standard or in black, bronze, wood or stainless steel on request. The trench heaters can be controlled with individual thermostats, thermostats in conjunction with actuators or via a decentralised control system. The relevant components can be ordered at the same time as the radiator.

Technical specifications

- Operating pressure max. 10 bar
- Operating temperature max. 110 °C
- Heat emitter made from copper tubes and aluminium fins painted in RAL 9005 black
- Casing galvanised as per DIN EN 10346:2009 and powder coated
- Thermal output according to EN442

Customisation options

- Transverse grilles made of wood or aluminium
- Heavy loads stainless steel transverse grille
- Perforated stainless sheet steel grille for high heels, chairs or wheelchairs
- Various grille and frame surfaces
- Intermediate lengths
- Angled and curved version
- Connection in series for excess lengths
- Peripheral strips for floating floor
- Self-standing feet adjustable from top
- Floor brackets 60 to 300 mm
- Euroconus connections

Benefits

- Quick response time
- Discreetly concealed heating system
- Ideal for use in glass-fronted buildings
- Silent operation
- Wide range of models
- Invisible connection technology
- Diverse applications
- Compensates for cold air falling in front of large windows
- Can be combined with ventilation solutions from Zehnder

Equipment for standard version

- Casing made from galvanised sheet steel, inside painted in RAL 9005 jet black, heat emitter from copper pipes and aluminium fins painted in RAL 9005 jet black
- Designer linear grille in natural anodised aluminium
- Designer frame in natural anodised aluminium
- Connections 2 x 1/2" with pre-punched round and square cut-outs, 1 x air vent 1/8" and covers for invisible connection
- L-brackets 0 to 35 mm including screws for both-sided fixing of the casing
- Anchors on one side, pre-installed bands for fixing in the screed
- Adjusting screws for height adjustment

Zehnder Terraline Neo



Zehnder Terraline Neo with transverse grille



Zehnder Terraline Neo with linear grille

Product description

Zehnder Terraline Neo forced convection version with cross-flow fan, 24 V. Its casing is made of a galvanised flat steel, with screws for height adjustment. The heat emitter is made of copper tube with aluminum fins. Casing and heat emitter powder coated (RAL 9005). Same side connections 1/2" including fan. Shapely frame profile made of anodised aluminum and glued sound insulation with stable walkable linear grille made of anodised aluminum profiles and delivered with wooden cover as mounting protection. Control via room thermostat manually with three-stage switch or automatically with variable speed controller.

Technical specifications

- Operating pressure max. 10 bar
- Operating temperature max. 110 °C
- Heat emitter made from copper tubes and aluminium fins painted RAL 9005 jet black
- Casing galvanised as per DIN EN 10346:2009 and powder coated
- Thermal output tested according to EN 16430 (ΔT 50K: 75/65/20 °C)
- Sound power according to SN EN ISO 3741:2011
- Operational condition in area with relative humidity of 20% to 70%

Customisation options

- Transverse grilles made of wood or aluminium
- Heavy loads stainless steel transverse grille
- Perforated stainless sheet steel grille for high heels, chairs or wheelchairs
- Various grille and frame surfaces
- Intermediate lengths
- Angled and curved version
- Connection in series for excess lengths
- Peripheral strips for floating floor
- Self-standing feet adjustable from top
- Floor brackets 60 to 300 mm
- Power supply IP67 integrated in casing
- Euroconus connection

Benefits

- Quick response time
- Discreet heating system
- Silent operation
- Wide range of models
- Invisible connection technology
- Compensates for cold air falling in front of large windows
- Can be combined with ventilation solutions from Zehnder

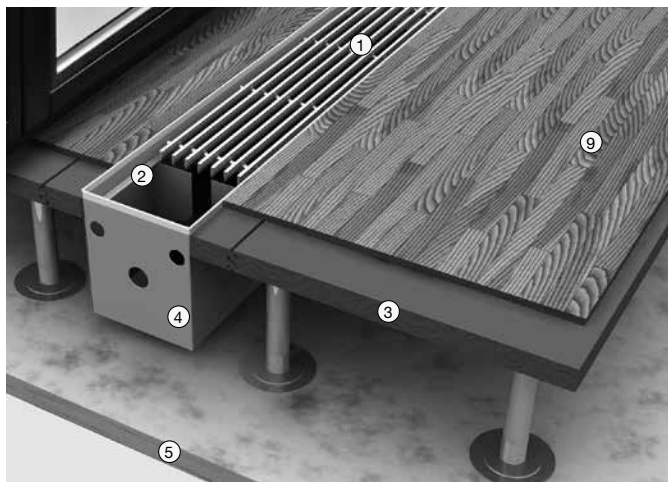
Equipment for standard version

- Casing made from galvanised sheet steel, inside painted in RAL 9005 jet black, heat emitter from copper pipes and aluminium fins painted in RAL 9005 jet black
- Tangential fans 24 V EC with protection grille
- Clamp (white) 4-pole
- Designer linear grille in natural anodised aluminium (except for 70 mm heights)
- Designer frame in natural anodised aluminium
- Connections 2 x 1/2" with pre-punched round and square cut-outs, with 1 x air vent 1/8" and covers for invisible connection
- L-brackets 0 to 35 mm including screws for both-sided fixing of the casing, anchors on one side, pre-installed bands for fixing in the screed, adjusting screws for height adjustment

Zehnder Terraline, Zehnder Terraline Neo

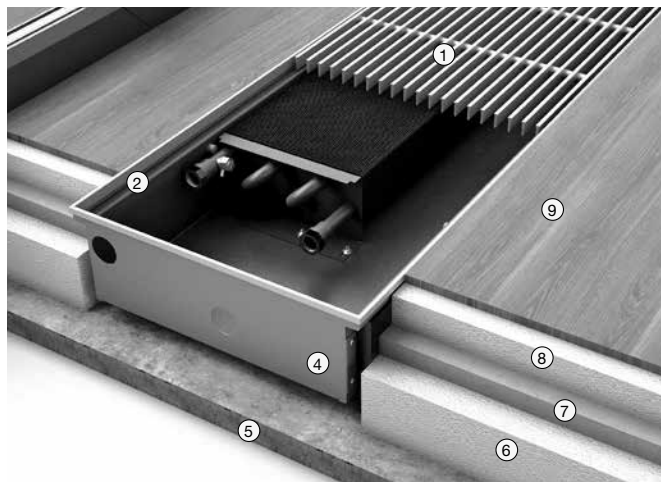
Trench heaters are suitable for a wide range of applications. In modern business premises, large reception areas or private rooms, these built-in floor radiators for central heating operation work best when positioned in front of floor-to-ceiling windows and glass-fronted buildings. Zehnder Terraline offers an elegant alternative wherever free-standing radiators should be avoided for aesthetic reasons. The prefabricated casing with pre-punched knockouts for the pipework is quick and easy to install. The supplied accessories enable simple and precise arrangement, so that only the elegant designer frame and grille remain visible in the chosen surface after completion; due to its dark coating, everything else is hidden from view in the floor. When used for heating purposes, trench heaters uniformly compensate for the cold air falling inside the room near windows - either as the sole heating system available or in conjunction with other systems.

Large height - small depth (raised floor installation)



- ① Grille
- ② Designer frame
- ③ Elevated system plate
- ④ Casing
- ⑤ Floor slab
- ⑥ Heat insulation






Small height - large depth (screed installation)



- ⑦ Impact sound insulation
- ⑧ Screed
- ⑨ Floor covering (parquet, tiles, etc.)

Zehnder Terraline

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	90									
											
Model		UN-09-17		UN-09-21		UN-09-25		UN-09-34		UN-09-42	
Depth*	mm	170		215		255		340		420	
Exponent	n	1,46		1,44		1,37		1,38		1,38	
Basic price	€	173,27		226,83		276,45		363,87		451,28	
Price/metre	€	488,32		581,24		654,51		748,99		845,11	
Total length*	mm	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price
		Watts	€	Watts	€	Watts	€	Watts	€	Watts	€
800	103	563,93	142	691,82	181	800,06	215	963,06	251	1.127,37	
900	123	612,76	171	749,95	217	865,51	258	1.037,96	301	1.211,88	
1000	143	661,59	199	808,07	252	930,96	300	1.112,86	350	1.296,39	
1100	163	710,42	227	866,19	288	996,41	343	1.187,76	400	1.380,90	
1200	184	759,25	255	924,32	324	1.061,86	386	1.262,66	450	1.465,41	
1300	204	808,09	283	982,44	360	1.127,31	428	1.337,56	499	1.549,92	
1400	224	856,92	312	1.040,57	396	1.192,76	471	1.412,46	549	1.634,43	
1500	245	905,75	340	1.098,69	431	1.258,22	513	1.487,36	599	1.718,95	
1600	265	954,58	368	1.156,81	467	1.323,67	556	1.562,25	649	1.803,46	
1700	285	1.003,41	396	1.214,94	503	1.389,12	599	1.637,15	698	1.887,97	
1800	306	1.052,25	424	1.273,06	539	1.454,57	641	1.712,05	748	1.972,48	
1900	326	1.101,08	453	1.331,19	575	1.520,02	684	1.786,95	798	2.056,99	
2000	346	1.149,91	481	1.389,31	610	1.585,47	726	1.861,85	847	2.141,50	
2100	366	1.198,74	509	1.447,43	646	1.650,92	769	1.936,75	897	2.226,01	
2200	387	1.247,57	537	1.505,56	682	1.716,37	812	2.011,65	947	2.310,52	
2300	407	1.296,41	565	1.563,68	718	1.781,82	854	2.086,55	996	2.395,03	
2400	427	1.345,24	594	1.621,81	754	1.847,27	897	2.161,45	1046	2.479,54	
2500	448	1.394,07	622	1.679,93	789	1.912,73	939	2.236,35	1096	2.564,06	
2600	468	1.442,90	650	1.738,05	825	1.978,18	982	2.311,24	1146	2.648,57	
2700	488	1.491,73	678	1.796,18	861	2.043,63	1025	2.386,14	1195	2.733,08	
2800	509	1.540,57	706	1.854,30	897	2.109,08	1067	2.461,04	1245	2.817,59	
2900	529	1.589,40	735	1.912,43	933	2.174,53	1110	2.535,94	1295	2.902,10	
3000	549	1.638,23	763	1.970,55	968	2.239,98	1152	2.610,84	1344	2.986,61	
3100	569	1.687,06	791	2.028,67	1004	2.305,43	1195	2.685,74	1394	3.071,12	
3200	590	1.735,89	819	2.086,80	1040	2.370,88	1238	2.760,64	1444	3.155,63	
3300	610	1.784,73	847	2.144,92	1076	2.436,33	1280	2.835,54	1493	3.240,14	
3400	630	1.833,56	876	2.203,05	1112	2.501,78	1323	2.910,44	1543	3.324,65	
3500	651	1.882,39	904	2.261,17	1147	2.567,24	1365	2.985,34	1593	3.409,17	
3600	671	1.931,22	932	2.319,29	1183	2.632,69	1408	3.060,23	1643	3.493,68	
3700	691	1.980,05	960	2.377,42	1219	2.698,14	1451	3.135,13	1692	3.578,19	
3800	712	2.028,89	988	2.435,54	1255	2.763,59	1493	3.210,03	1742	3.662,70	
3900	732	2.077,72	1017	2.493,67	1291	2.829,04	1536	3.284,93	1792	3.747,21	
4000	752	2.126,55	1045	2.551,79	1326	2.894,49	1578	3.359,83	1841	3.831,72	
4100	772	2.175,38	1073	2.609,91	1362	2.959,94	1621	3.434,73	1891	3.916,23	
4200	793	2.224,21	1101	2.668,04	1398	3.025,39	1664	3.509,63	1941	4.000,74	
4300	813	2.273,05	1129	2.726,16	1434	3.090,84	1706	3.584,53	1990	4.085,25	
4400	833	2.321,88	1158	2.784,29	1470	3.156,29	1749	3.659,43	2040	4.169,76	
4500	854	2.370,71	1186	2.842,41	1505	3.221,75	1791	3.734,33	2090	4.254,28	
4600	874	2.419,54	1214	2.900,53	1541	3.287,20	1834	3.809,22	2140	4.338,79	
4700	894	2.468,37	1242	2.958,66	1577	3.352,65	1877	3.884,12	2189	4.423,30	
4800	915	2.517,21	1270	3.016,78	1613	3.418,10	1919	3.959,02	2239	4.507,81	

Warning: Weight over 100 kg. Max length 4800 mm






Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. 15%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline


 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	110									
											
Model		UN-11-17	UN-11-21	UN-11-25	UN-11-34	UN-11-42					
Depth*	mm	170	215	255	340	420					
Exponent	n	1,47	1,55	1,46	1,40	1,40					
Basic price	€	189,00	241,04	290,61	373,29	456,01					
Price/metre	€	504,09	609,55	680,49	793,83	903,98					
Total length*	mm	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price
		Watts	€	Watts	€	Watts	€	Watts	€	Watts	€
800	124	592,27	156	728,68	212	835,00	273	1.008,35	304	1.179,19	
900	149	642,68	187	789,64	253	903,05	327	1.087,74	364	1.269,59	
1000	173	693,09	218	850,59	295	971,10	381	1.167,12	424	1.359,99	
1100	198	743,50	249	911,55	337	1.039,15	435	1.246,50	484	1.450,39	
1200	223	793,91	280	972,50	379	1.107,20	489	1.325,89	544	1.540,79	
1300	247	844,32	311	1.033,46	421	1.175,25	543	1.405,27	604	1.631,18	
1400	272	894,73	341	1.094,41	463	1.243,30	597	1.484,65	664	1.721,58	
1500	296	945,14	372	1.155,37	505	1.311,35	651	1.564,04	724	1.811,98	
1600	321	995,54	403	1.216,32	547	1.379,39	705	1.643,42	784	1.902,38	
1700	346	1.045,95	434	1.277,28	589	1.447,44	759	1.722,80	844	1.992,78	
1800	370	1.096,36	465	1.338,23	631	1.515,49	813	1.802,18	905	2.083,17	
1900	395	1.146,77	496	1.399,19	672	1.583,54	867	1.881,57	965	2.173,57	
2000	419	1.197,18	527	1.460,14	714	1.651,59	921	1.960,95	1025	2.263,97	
2100	444	1.247,59	558	1.521,10	756	1.719,64	975	2.040,33	1085	2.354,37	
2200	469	1.298,00	589	1.582,05	798	1.787,69	1029	2.119,72	1145	2.444,77	
2300	493	1.348,41	620	1.643,01	840	1.855,74	1083	2.199,10	1205	2.535,16	
2400	518	1.398,82	650	1.703,96	882	1.923,79	1137	2.278,48	1265	2.625,56	
2500	542	1.449,23	681	1.764,92	924	1.991,84	1191	2.357,87	1325	2.715,96	
2600	567	1.499,63	712	1.825,87	966	2.059,88	1245	2.437,25	1385	2.806,36	
2700	592	1.550,04	743	1.886,83	1008	2.127,93	1299	2.516,63	1445	2.896,76	
2800	616	1.600,45	774	1.947,78	1050	2.195,98	1353	2.596,01	1506	2.987,15	
2900	641	1.650,86	805	2.008,74	1091	2.264,03	1407	2.675,40	1566	3.077,55	
3000	665	1.701,27	836	2.069,69	1133	2.332,08	1461	2.754,78	1626	3.167,95	
3100	690	1.751,68	867	2.130,65	1175	2.400,13	1515	2.834,16	1686	3.258,35	
3200	715	1.802,09	898	2.191,60	1217	2.468,18	1569	2.913,55	1746	3.348,75	
3300	739	1.852,50	929	2.252,56	1259	2.536,23	1623	2.992,93	1806	3.439,14	
3400	764	1.902,91	959	2.313,51	1301	2.604,28	1677	3.072,31	1866	3.529,54	
3500	788	1.953,32	990	2.374,47	1343	2.672,33	1731	3.151,70	1926	3.619,94	
3600	813	2.003,72	1021	2.435,42	1385	2.740,37	1785	3.231,08	1986	3.710,34	
3700	838	2.054,13	1052	2.496,38	1427	2.808,42	1839	3.310,46	2046	3.800,74	
3800	862	2.104,54	1083	2.557,33	1469	2.876,47	1893	3.389,84	2107	3.891,13	
3900	887	2.154,95	1114	2.618,29	1510	2.944,52	1947	3.469,23	2167	3.981,53	
4000	911	2.205,36	1145	2.679,24	1552	3.012,57	2001	3.548,61	2227	4.071,93	
4100	936	2.255,77	1176	2.740,20	1594	3.080,62	2055	3.627,99	2287	4.162,33	
4200	961	2.306,18	1207	2.801,15	1636	3.148,67	2109	3.707,38	2347	4.252,73	
4300	985	2.356,59	1238	2.862,11	1678	3.216,72	2163	3.786,76	2407	4.343,12	
4400	1010	2.407,00	1268	2.923,06	1720	3.284,77	2217	3.866,14	2467	4.433,52	
4500	1034	2.457,41	1299	2.984,02	1762	3.352,82	2271	3.945,53	2527	4.523,92	
4600	1059	2.507,81	1330	3.044,97	1804	3.420,86	2325	4.024,91	2587	4.614,32	
4700	1084	2.558,22	1361	3.105,93	1846	3.488,91	2379	4.104,29	2647	4.704,72	
4800	1108	2.608,63	1392	3.166,88	1888	3.556,96	2433	4.183,67	2708	4.795,11	

Warning: Weight over 100 kg. Max length 4800 mm






Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. 15%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	145									
											
Model		UN-14-17		UN-14-21		UN-14-25		UN-14-34		UN-14-42	
Depth*	mm	170		215		255		340		420	
Exponent	n	1,49		1,50		1,44		1,43		1,40	
Basic price	€	212,55		277,13		358,48		395,35		428,42	
Price/metre	€	595,92		726,52		772,37		953,32		1.105,36	
Total length*	mm	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price
		Watts	€	Watts	€	Watts	€	Watts	€	Watts	€
800	127	689,29	165	858,35	242	976,38	359	1.158,01	439	1.312,71	
900	152	748,88	198	931,00	290	1.053,61	430	1.253,34	526	1.423,24	
1000	177	808,47	231	1.003,65	338	1.130,85	501	1.348,67	613	1.533,78	
1100	202	868,06	263	1.076,30	386	1.208,09	572	1.444,00	700	1.644,32	
1200	227	927,65	296	1.148,95	434	1.285,32	643	1.539,33	786	1.754,85	
1300	252	987,25	329	1.221,61	482	1.362,56	715	1.634,67	873	1.865,39	
1400	277	1.046,84	361	1.294,26	530	1.439,80	786	1.730,00	960	1.975,92	
1500	302	1.106,43	394	1.366,91	578	1.517,04	857	1.825,33	1047	2.086,46	
1600	328	1.166,02	427	1.439,56	626	1.594,27	928	1.920,66	1134	2.197,00	
1700	353	1.225,61	459	1.512,21	674	1.671,51	999	2.015,99	1221	2.307,53	
1800	378	1.285,21	492	1.584,87	722	1.748,75	1070	2.111,33	1308	2.418,07	
1900	403	1.344,80	525	1.657,52	770	1.825,98	1141	2.206,66	1395	2.528,60	
2000	428	1.404,39	558	1.730,17	818	1.903,22	1212	2.301,99	1482	2.639,14	
2100	453	1.463,98	590	1.802,82	866	1.980,46	1283	2.397,32	1569	2.749,68	
2200	478	1.523,57	623	1.875,47	914	2.057,69	1354	2.492,65	1655	2.860,21	
2300	503	1.583,17	656	1.948,13	962	2.134,93	1426	2.587,99	1742	2.970,75	
2400	528	1.642,76	688	2.020,78	1010	2.212,17	1497	2.683,32	1829	3.081,28	
2500	553	1.702,35	721	2.093,43	1058	2.289,41	1568	2.778,65	1916	3.191,82	
2600	579	1.761,94	754	2.166,08	1106	2.366,64	1639	2.873,98	2003	3.302,36	
2700	604	1.821,53	786	2.238,73	1154	2.443,88	1710	2.969,31	2090	3.412,89	
2800	629	1.881,13	819	2.311,39	1202	2.521,12	1781	3.064,65	2177	3.523,43	
2900	654	1.940,72	852	2.384,04	1250	2.598,35	1852	3.159,98	2264	3.633,96	
3000	679	2.000,31	885	2.456,69	1298	2.675,59	1923	3.255,31	2351	3.744,50	
3100	704	2.059,90	917	2.529,34	1346	2.752,83	1994	3.350,64	2438	3.855,04	
3200	729	2.119,49	950	2.601,99	1394	2.830,06	2065	3.445,97	2524	3.965,57	
3300	754	2.179,09	983	2.674,65	1442	2.907,30	2137	3.541,31	2611	4.076,11	
3400	779	2.238,68	1015	2.747,30	1490	2.984,54	2208	3.636,64	2698	4.186,64	
3500	804	2.298,27	1048	2.819,95	1538	3.061,78	2279	3.731,97	2785	4.297,18	
3600	830	2.357,86	1081	2.892,60	1586	3.139,01	2350	3.827,30	2872	4.407,72	
3700	855	2.417,45	1113	2.965,25	1634	3.216,25	2421	3.922,63	2959	4.518,25	
3800	880	2.477,05	1146	3.037,91	1682	3.293,49	2492	4.017,97	3046	4.628,79	
3900	905	2.536,64	1179	3.110,56	1730	3.370,72	2563	4.113,30	3133	4.739,32	
4000	930	2.596,23	1212	3.183,21	1778	3.447,96	2634	4.208,63	3220	4.849,86	
4100	955	2.655,82	1244	3.255,86	1826	3.525,20	2705	4.303,96	3307	4.960,40	
4200	980	2.715,41	1277	3.328,51	1874	3.602,43	2776	4.399,29	3393	5.070,93	
4300	1005	2.775,01	1310	3.401,17	1922	3.679,67	2848	4.494,63	3480	5.181,47	
4400	1030	2.834,60	1342	3.473,82	1970	3.756,91	2919	4.589,96	3567	5.292,00	
4500	1055	2.894,19	1375	3.546,47	2018	3.834,15	2990	4.685,29	3654	5.402,54	
4600	1081	2.953,78	1408	3.619,12	2066	3.911,38	3061	4.780,62	3741	5.513,08	
4700	1106	3.013,37	1440	3.691,77	2114	3.988,62	3132	4.875,95	3828	5.623,61	
4800	1131	3.072,97	1473	3.764,43	2162	4.065,86	3203	4.971,29	3915	5.734,15	

Warning: Weight over 100 kg. Max length 4800 mm






Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. 15%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline


 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	190									
											
Model		UN-19-17		UN-19-21		UN-19-25		UN-19-34		UN-19-42	
Depth*	mm	170		215		255		340		420	
Exponent	n	1,48		1,54		1,42		1,47		1,46	
Basic price	€	228,41		285,98		386,82		418,98		438,27	
Price/metre	€	626,87		750,12		793,31		966,24		1.135,75	
Total length*	mm	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price	Φ_s	Price
		Watts	€	Watts	€	Watts	€	Watts	€	Watts	€
800	143	729,91	197	886,08	235	1.021,47	371	1.191,97	519	1.346,87	
900	171	792,59	237	961,09	281	1.100,80	445	1.288,60	622	1.460,45	
1000	200	855,28	276	1.036,10	328	1.180,13	518	1.385,22	725	1.574,02	
1100	228	917,97	315	1.111,11	374	1.259,46	592	1.481,84	828	1.687,60	
1200	256	980,65	354	1.186,12	421	1.338,79	665	1.578,47	930	1.801,17	
1300	284	1.043,34	393	1.261,14	467	1.418,12	739	1.675,09	1033	1.914,75	
1400	313	1.106,03	432	1.336,15	514	1.497,45	812	1.771,72	1136	2.028,32	
1500	341	1.168,72	471	1.411,16	560	1.576,79	886	1.868,34	1239	2.141,90	
1600	369	1.231,40	510	1.486,17	607	1.656,12	959	1.964,96	1342	2.255,47	
1700	398	1.294,09	549	1.561,18	653	1.735,45	1033	2.061,59	1444	2.369,05	
1800	426	1.356,78	588	1.636,20	700	1.814,78	1106	2.158,21	1547	2.482,62	
1900	454	1.419,46	628	1.711,21	746	1.894,11	1180	2.254,84	1650	2.596,20	
2000	483	1.482,15	667	1.786,22	793	1.973,44	1253	2.351,46	1753	2.709,77	
2100	511	1.544,84	706	1.861,23	839	2.052,77	1327	2.448,08	1856	2.823,35	
2200	539	1.607,52	745	1.936,24	886	2.132,10	1400	2.544,71	1958	2.936,92	
2300	567	1.670,21	784	2.011,26	932	2.211,43	1474	2.641,33	2061	3.050,50	
2400	596	1.732,90	823	2.086,27	979	2.290,76	1547	2.737,96	2164	3.164,07	
2500	624	1.795,59	862	2.161,28	1025	2.370,10	1621	2.834,58	2267	3.277,65	
2600	652	1.858,27	901	2.236,29	1072	2.449,43	1694	2.931,20	2370	3.391,22	
2700	681	1.920,96	940	2.311,30	1118	2.528,76	1768	3.027,83	2472	3.504,80	
2800	709	1.983,65	979	2.386,32	1165	2.608,09	1841	3.124,45	2575	3.618,37	
2900	737	2.046,33	1019	2.461,33	1211	2.687,42	1915	3.221,08	2678	3.731,95	
3000	766	2.109,02	1058	2.536,34	1258	2.766,75	1988	3.317,70	2781	3.845,52	
3100	794	2.171,71	1097	2.611,35	1304	2.846,08	2062	3.414,32	2884	3.959,10	
3200	822	2.234,39	1136	2.686,36	1351	2.925,41	2135	3.510,95	2986	4.072,67	
3300	850	2.297,08	1175	2.761,38	1397	3.004,74	2209	3.607,57	3089	4.186,25	
3400	879	2.359,77	1214	2.836,39	1444	3.084,07	2282	3.704,20	3192	4.299,82	
3500	907	2.422,46	1253	2.911,40	1490	3.163,41	2356	3.800,82	3295	4.413,40	
3600	935	2.485,14	1292	2.986,41	1537	3.242,74	2429	3.897,44	3398	4.526,97	
3700	964	2.547,83	1331	3.061,42	1583	3.322,07	2503	3.994,07	3500	4.640,55	
3800	992	2.610,52	1370	3.136,44	1630	3.401,40	2576	4.090,69	3603	4.754,12	
3900	1020	2.673,20	1410	3.211,45	1676	3.480,73	2650	4.187,32	3706	4.867,70	
4000	1049	2.735,89	1449	3.286,46	1723	3.560,06	2723	4.283,94	3809	4.981,27	
4100	1077	2.798,58	1488	3.361,47	1769	3.639,39	2797	4.380,56	3912	5.094,85	
4200	1105	2.861,26	1527	3.436,48	1816	3.718,72	2870	4.477,19	4014	5.208,42	
4300	1133	2.923,95	1566	3.511,50	1862	3.798,05	2944	4.573,81	4117	5.322,00	
4400	1162	2.986,64	1605	3.586,51	1909	3.877,38	3017	4.670,44	4220	5.435,57	
4500	1190	3.049,33	1644	3.661,52	1955	3.956,72	3091	4.767,06	4323	5.549,15	
4600	1218	3.112,01	1683	3.736,53	2002	4.036,05	3164	4.863,68	4426	5.662,72	
4700	1247	3.174,70	1722	3.811,54	2048	4.115,38	3238	4.960,31	4528	5.776,30	
4800	1275	3.237,39	1761	3.886,56	2095	4.194,71	3311	5.056,93	4631	5.889,87	

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. 15%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	70									
											
Model		UFT-07-25				UFT-07-34					
Depth*	mm	255				340					
Exponent	n	1,14				1,22					
Basic price	€	166,39				217,67					
Price/metre	€	1.165,88				1.255,18					
Fan speed		0	1	2	3	Price	0	1	2	3	Price
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	€	Φ_s	Φ_s	Φ_s	Φ_s	€
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts	€
800		51	257	381	434	1.099,09	63	315	439	498	1.221,81
900		64	321	477	543	1.215,68	79	393	549	622	1.347,33
1000		90	449	667	760	1.332,27	110	551	769	871	1.472,85
1100		90	449	667	760	1.448,86	110	551	769	871	1.598,37
1200		103	513	763	868	1.565,45	126	629	879	995	1.723,89
1300		116	578	858	977	1.682,03	142	708	989	1120	1.849,40
1400		128	642	953	1085	1.798,62	157	787	1098	1244	1.974,92
1500		141	706	1049	1194	1.915,21	173	865	1208	1369	2.100,44
1600		154	770	1144	1302	2.031,80	189	944	1318	1493	2.225,96
1700		154	770	1144	1302	2.148,39	189	944	1318	1493	2.351,48
1800		180	898	1335	1519	2.264,97	220	1101	1538	1742	2.476,99
1900		193	963	1430	1628	2.381,56	236	1180	1648	1866	2.602,51
2000		205	1027	1525	1736	2.498,15	252	1259	1757	1991	2.728,03
2100		218	1091	1621	1845	2.614,74	267	1337	1867	2115	2.853,55
2200		218	1091	1621	1845	2.731,33	267	1337	1867	2115	2.979,07
2300		244	1219	1811	2062	2.847,91	299	1495	2087	2364	3.104,58
2400		244	1219	1811	2062	2.964,50	299	1495	2087	2364	3.230,10
2500		257	1283	1907	2170	3.081,09	315	1573	2197	2488	3.355,62
2600		270	1348	2002	2279	3.197,68	330	1652	2307	2613	3.481,14
2700		282	1412	2097	2387	3.314,27	346	1731	2416	2737	3.606,66
2800		295	1476	2193	2496	3.430,85	362	1809	2526	2862	3.732,17
2900		308	1540	2288	2604	3.547,44	378	1888	2636	2986	3.857,69
3000		308	1540	2288	2604	3.664,03	378	1888	2636	2986	3.983,21
3100		334	1668	2479	2821	3.780,62	409	2045	2856	3235	4.108,73
3200		347	1733	2574	2930	3.897,21	425	2124	2966	3359	4.234,25
3300		347	1733	2574	2930	4.013,79	425	2124	2966	3359	4.359,76
3400		359	1797	2669	3038	4.130,38	441	2203	3075	3484	4.485,28
3500		372	1861	2765	3147	4.246,97	456	2281	3185	3608	4.610,80
3600		398	1989	2955	3364	4.363,56	488	2439	3405	3857	4.736,32
3700		398	1989	2955	3364	4.480,15	488	2439	3405	3857	4.861,84
3800		411	2053	3051	3472	4.596,73	503	2517	3515	3981	4.987,35
3900		424	2118	3146	3581	4.713,32	519	2596	3625	4106	5.112,87
4000		436	2182	3241	3689	4.829,91	535	2675	3734	4230	5.238,39
4100		449	2246	3337	3798	4.946,50	551	2753	3844	4355	5.363,91
4200		462	2310	3432	3906	5.063,09	566	2832	3954	4479	5.489,43
4300		462	2310	3432	3906	5.179,67	566	2832	3954	4479	5.614,94
4400		488	2438	3623	4123	5.296,26	598	2989	4174	4728	5.740,46
4500		501	2503	3718	4232	5.412,85	614	3068	4284	4852	5.865,98
4600		513	2567	3813	4340	5.529,44	629	3147	4393	4977	5.991,50
4700		526	2631	3909	4449	5.646,03	645	3225	4503	5101	6.117,02
4800		526	2631	3909	4449	5.762,61	645	3225	4503	5101	6.242,53

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with low transverse grille and same-side connection

Version with other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo


 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	90									
											
Model		UFT-09-17				UFT-09-21					
Depth*	mm	170				215					
Exponent	n	1,07				1,06					
Basic price	€	173,18				226,73					
Price/metre	€	1.207,33				1.380,64					
Fan speed		0	1	2	3	Price	0	1	2	3	Price
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	€	Φ_s	Φ_s	Φ_s	Φ_s	€
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts	€
800		53	264	398	501	1.139,04	71	357	509	629	1.331,24
900		66	330	498	627	1.259,78	89	446	636	786	1.469,31
1000		92	462	697	877	1.380,51	125	624	890	1101	1.607,37
1100		92	462	697	877	1.501,24	125	624	890	1101	1.745,43
1200		106	528	797	1003	1.621,98	143	713	1017	1258	1.883,50
1300		119	594	896	1128	1.742,71	161	803	1145	1415	2.021,56
1400		132	660	996	1253	1.863,44	178	892	1272	1573	2.159,63
1500		145	726	1095	1379	1.984,18	196	981	1399	1730	2.297,69
1600		158	792	1195	1504	2.104,91	214	1070	1526	1887	2.435,75
1700		158	792	1195	1504	2.225,64	214	1070	1526	1887	2.573,82
1800		185	924	1394	1755	2.346,37	250	1248	1780	2202	2.711,88
1900		198	990	1494	1880	2.467,11	268	1338	1908	2359	2.849,95
2000		211	1056	1593	2005	2.587,84	285	1427	2035	2516	2.988,01
2100		224	1122	1693	2131	2.708,57	303	1516	2162	2673	3.126,07
2200		224	1122	1693	2131	2.829,31	303	1516	2162	2673	3.264,14
2300		251	1254	1892	2381	2.950,04	339	1694	2416	2988	3.402,20
2400		251	1254	1892	2381	3.070,77	339	1694	2416	2988	3.540,27
2500		264	1320	1992	2507	3.191,51	357	1783	2543	3145	3.678,33
2600		277	1386	2091	2632	3.312,24	375	1873	2671	3302	3.816,39
2700		290	1452	2191	2757	3.432,97	392	1962	2798	3460	3.954,46
2800		304	1518	2290	2883	3.553,70	410	2051	2925	3617	4.092,52
2900		317	1584	2390	3008	3.674,44	428	2140	3052	3774	4.230,59
3000		317	1584	2390	3008	3.795,17	428	2140	3052	3774	4.368,65
3100		343	1716	2589	3259	3.915,90	464	2318	3306	4089	4.506,71
3200		356	1782	2689	3384	4.036,64	482	2408	3434	4246	4.644,78
3300		356	1782	2689	3384	4.157,37	482	2408	3434	4246	4.782,84
3400		370	1848	2788	3509	4.278,10	499	2497	3561	4403	4.920,91
3500		383	1914	2888	3635	4.398,84	517	2586	3688	4560	5.058,97
3600		409	2046	3087	3885	4.519,57	553	2764	3942	4875	5.197,03
3700		409	2046	3087	3885	4.640,30	553	2764	3942	4875	5.335,10
3800		422	2112	3187	4011	4.761,03	571	2853	4069	5032	5.473,16
3900		436	2178	3286	4136	4.881,77	589	2943	4197	5189	5.611,23
4000		449	2244	3386	4261	5.002,50	606	3032	4324	5347	5.749,29
4100		462	2310	3485	4387	5.123,23	624	3121	4451	5504	5.887,35
4200		475	2376	3585	4512	5.243,97	642	3210	4578	5661	6.025,42
4300		475	2376	3585	4512	5.364,70	642	3210	4578	5661	6.163,48
4400		502	2508	3784	4763	5.485,43	678	3388	4832	5976	6.301,55
4500		515	2574	3884	4888	5.606,17	696	3478	4960	6133	6.439,61
4600		528	2640	3983	5013	5.726,90	713	3567	5087	6290	6.577,67
4700		541	2706	4083	5139	5.847,63	731	3656	5214	6447	6.715,74
4800		541	2706	4083	5139	5.968,36	731	3656	5214	6447	6.853,80

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	90								
										
Model		UFT-09-25				UFT-09-34				
Depth*	mm	255				340				
Exponent	n	1,04				1,03				
Basic price	€	276,30				363,75				
Price/metre	€	1.476,07				1.570,44				
Fan speed		0	1	2	3	0	1	2	3	Price
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Price
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts
800	88	440	670	866	1.457,16	103	516	766	950	1.620,10
900	110	550	838	1083	1.604,76	129	645	958	1188	1.777,15
1000	154	771	1173	1516	1.752,37	181	904	1341	1663	1.934,19
1100	154	771	1173	1516	1.899,98	181	904	1341	1663	2.091,23
1200	176	881	1340	1732	2.047,58	207	1033	1532	1901	2.248,28
1300	198	991	1508	1949	2.195,19	232	1162	1724	2138	2.405,32
1400	220	1101	1675	2165	2.342,80	258	1291	1915	2376	2.562,37
1500	242	1211	1843	2382	2.490,41	284	1420	2107	2613	2.719,41
1600	264	1321	2010	2598	2.638,01	310	1549	2298	2851	2.876,45
1700	264	1321	2010	2598	2.785,62	310	1549	2298	2851	3.033,50
1800	308	1541	2345	3031	2.933,23	361	1807	2681	3326	3.190,54
1900	330	1651	2513	3248	3.080,83	387	1936	2873	3564	3.347,59
2000	352	1761	2680	3464	3.228,44	413	2065	3064	3801	3.504,63
2100	374	1871	2848	3681	3.376,05	439	2194	3256	4039	3.661,67
2200	374	1871	2848	3681	3.523,65	439	2194	3256	4039	3.818,72
2300	418	2092	3183	4114	3.671,26	491	2453	3639	4514	3.975,76
2400	418	2092	3183	4114	3.818,87	491	2453	3639	4514	4.132,81
2500	440	2202	3350	4330	3.966,48	516	2582	3830	4752	4.289,85
2600	462	2312	3518	4547	4.114,08	542	2711	4022	4989	4.446,89
2700	484	2422	3685	4763	4.261,69	568	2840	4213	5227	4.603,94
2800	506	2532	3853	4980	4.409,30	594	2969	4405	5464	4.760,98
2900	528	2642	4020	5196	4.556,90	620	3098	4596	5702	4.918,03
3000	528	2642	4020	5196	4.704,51	620	3098	4596	5702	5.075,07
3100	572	2862	4355	5629	4.852,12	671	3356	4979	6177	5.232,11
3200	594	2972	4523	5846	4.999,72	697	3485	5171	6415	5.389,16
3300	594	2972	4523	5846	5.147,33	697	3485	5171	6415	5.546,20
3400	616	3082	4690	6062	5.294,94	723	3614	5362	6652	5.703,25
3500	638	3192	4858	6279	5.442,55	749	3743	5554	6890	5.860,29
3600	683	3413	5193	6712	5.590,15	800	4002	5937	7365	6.017,33
3700	683	3413	5193	6712	5.737,76	800	4002	5937	7365	6.174,38
3800	705	3523	5360	6928	5.885,37	826	4131	6128	7603	6.331,42
3900	727	3633	5528	7145	6.032,97	852	4260	6320	7840	6.488,47
4000	749	3743	5695	7361	6.180,58	878	4389	6511	8078	6.645,51
4100	771	3853	5863	7578	6.328,19	904	4518	6703	8315	6.802,55
4200	793	3963	6030	7794	6.475,79	929	4647	6894	8553	6.959,60
4300	793	3963	6030	7794	6.623,40	929	4647	6894	8553	7.116,64
4400	837	4183	6365	8227	6.771,01	981	4905	7277	9028	7.273,69
4500	859	4293	6533	8444	6.918,62	1007	5034	7469	9266	7.430,73
4600	881	4403	6700	8660	7.066,22	1033	5163	7660	9503	7.587,77
4700	903	4513	6868	8877	7.213,83	1058	5292	7852	9741	7.744,82
4800	903	4513	6868	8877	7.361,44	1058	5292	7852	9741	7.901,86

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo


 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	110									
											
Model		UFT-11-17				UFT-11-21					
Depth*	mm	170				215					
Exponent	n	1,08				1,07					
Basic price	€	188,88				240,93					
Price/metre	€	1.226,24				1.408,95					
Fan speed		0	1	2	3	Price	0	1	2	3	Price
		Φ_s	Φ_s	Φ_s	Φ_s	€	Φ_s	Φ_s	Φ_s	Φ_s	€
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts	€
Total length*	mm										
800		50	252	388	468	1.169,87	77	386	547	670	1.368,09
900		63	315	485	585	1.292,50	97	483	684	838	1.508,99
1000		88	442	679	819	1.415,12	135	676	958	1173	1.649,88
1100		88	442	679	819	1.537,74	135	676	958	1173	1.790,78
1200		101	505	776	936	1.660,37	154	772	1095	1341	1.931,67
1300		114	568	873	1053	1.782,99	174	869	1232	1508	2.072,57
1400		126	631	970	1170	1.905,62	193	965	1368	1676	2.213,46
1500		139	694	1067	1287	2.028,24	212	1062	1505	1843	2.354,36
1600		151	757	1164	1404	2.150,86	232	1158	1642	2011	2.495,25
1700		151	757	1164	1404	2.273,49	232	1158	1642	2011	2.636,15
1800		177	883	1358	1638	2.396,11	270	1351	1916	2346	2.777,04
1900		189	946	1455	1755	2.518,74	290	1448	2053	2514	2.917,94
2000		202	1009	1552	1872	2.641,36	309	1544	2189	2681	3.058,83
2100		214	1072	1649	1989	2.763,98	328	1641	2326	2849	3.199,73
2200		214	1072	1649	1989	2.886,61	328	1641	2326	2849	3.340,62
2300		240	1199	1843	2223	3.009,23	367	1834	2600	3184	3.481,52
2400		240	1199	1843	2223	3.131,86	367	1834	2600	3184	3.622,41
2500		252	1262	1940	2340	3.254,48	386	1930	2737	3352	3.763,31
2600		265	1325	2037	2457	3.377,10	405	2027	2874	3519	3.904,20
2700		278	1388	2134	2574	3.499,73	425	2123	3010	3687	4.045,10
2800		290	1451	2231	2691	3.622,35	444	2220	3147	3854	4.185,99
2900		303	1514	2328	2808	3.744,98	463	2316	3284	4022	4.326,89
3000		303	1514	2328	2808	3.867,60	463	2316	3284	4022	4.467,78
3100		328	1640	2522	3042	3.990,22	502	2509	3558	4357	4.608,68
3200		341	1703	2619	3159	4.112,85	521	2606	3695	4525	4.749,57
3300		341	1703	2619	3159	4.235,47	521	2606	3695	4525	4.890,47
3400		353	1766	2716	3276	4.358,10	540	2702	3831	4692	5.031,36
3500		366	1829	2813	3393	4.480,72	560	2799	3968	4860	5.172,26
3600		391	1956	3007	3627	4.603,34	598	2992	4242	5195	5.313,15
3700		391	1956	3007	3627	4.725,97	598	2992	4242	5195	5.454,05
3800		404	2019	3104	3744	4.848,59	618	3088	4379	5363	5.594,94
3900		416	2082	3201	3861	4.971,22	637	3185	4516	5530	5.735,84
4000		429	2145	3298	3978	5.093,84	656	3281	4652	5698	5.876,73
4100		442	2208	3395	4095	5.216,46	676	3378	4789	5865	6.017,63
4200		454	2271	3492	4212	5.339,09	695	3474	4926	6033	6.158,52
4300		454	2271	3492	4212	5.461,71	695	3474	4926	6033	6.299,42
4400		479	2397	3686	4446	5.584,34	733	3667	5200	6368	6.440,31
4500		492	2460	3783	4563	5.706,96	753	3764	5337	6536	6.581,21
4600		505	2523	3880	4680	5.829,58	772	3860	5473	6703	6.722,10
4700		517	2586	3977	4797	5.952,21	791	3957	5610	6871	6.863,00
4800		517	2586	3977	4797	6.074,83	791	3957	5610	6871	7.003,89

Warning: Weight over 100 kg. Max length 4800 mm

Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%



Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Dimensions in mm

Zehnder Terraline Neo

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	110								
										
Model		UFT-11-25				UFT-11-34				
Depth*	mm	255				340				
Exponent	n	1,02				1,09				
Basic price	€	290,47				373,15				
Price/metre	€	1.505,16				1.618,47				
Fan speed		0	1	2	3	0	1	2	3	Price
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s	Price
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts
800	113	566	837	1059	1.494,60	113	595	845	1028	1.667,93
900	142	708	1046	1324	1.645,11	141	744	1057	1285	1.829,77
1000	198	991	1464	1853	1.795,63	198	1042	1479	1799	1.991,62
1100	198	991	1464	1853	1.946,15	198	1042	1479	1799	2.153,47
1200	227	1133	1673	2118	2.096,66	226	1191	1691	2056	2.315,31
1300	255	1274	1883	2383	2.247,18	255	1340	1902	2313	2.477,16
1400	283	1416	2092	2648	2.397,69	283	1488	2113	2570	2.639,01
1500	311	1557	2301	2912	2.548,21	311	1637	2325	2827	2.800,86
1600	340	1699	2510	3177	2.698,73	339	1786	2536	3084	2.962,70
1700	340	1699	2510	3177	2.849,24	339	1786	2536	3084	3.124,55
1800	396	1982	2928	3707	2.999,76	396	2084	2959	3598	3.286,40
1900	425	2124	3138	3971	3.150,27	424	2233	3170	3855	3.448,24
2000	453	2265	3347	4236	3.300,79	452	2381	3381	4112	3.610,09
2100	481	2407	3556	4501	3.451,31	481	2530	3593	4369	3.771,94
2200	481	2407	3556	4501	3.601,82	481	2530	3593	4369	3.933,78
2300	538	2690	3974	5030	3.752,34	537	2828	4015	4883	4.095,63
2400	538	2690	3974	5030	3.902,85	537	2828	4015	4883	4.257,48
2500	566	2832	4183	5295	4.053,37	566	2977	4227	5140	4.419,33
2600	595	2973	4393	5560	4.203,89	594	3126	4438	5397	4.581,17
2700	623	3115	4602	5825	4.354,40	622	3274	4649	5654	4.743,02
2800	651	3256	4811	6089	4.504,92	650	3423	4861	5911	4.904,87
2900	680	3398	5020	6354	4.655,43	679	3572	5072	6168	5.066,71
3000	680	3398	5020	6354	4.805,95	679	3572	5072	6168	5.228,56
3100	736	3681	5438	6884	4.956,47	735	3870	5495	6682	5.390,41
3200	765	3823	5648	7148	5.106,98	764	4019	5706	6939	5.552,25
3300	765	3823	5648	7148	5.257,50	764	4019	5706	6939	5.714,10
3400	793	3964	5857	7413	5.408,01	792	4167	5917	7196	5.875,95
3500	821	4106	6066	7678	5.558,53	820	4316	6129	7453	6.037,80
3600	878	4389	6484	8207	5.709,05	877	4614	6551	7967	6.199,64
3700	878	4389	6484	8207	5.859,56	877	4614	6551	7967	6.361,49
3800	906	4531	6693	8472	6.010,08	905	4763	6763	8224	6.523,34
3900	934	4672	6903	8737	6.160,59	933	4912	6974	8481	6.685,18
4000	963	4814	7112	9002	6.311,11	961	5060	7185	8738	6.847,03
4100	991	4955	7321	9266	6.461,63	990	5209	7397	8995	7.008,88
4200	1019	5097	7530	9531	6.612,14	1018	5358	7608	9252	7.170,72
4300	1019	5097	7530	9531	6.762,66	1018	5358	7608	9252	7.332,57
4400	1076	5380	7948	10061	6.913,17	1075	5656	8031	9766	7.494,42
4500	1104	5522	8158	10325	7.063,69	1103	5805	8242	10023	7.656,27
4600	1133	5663	8367	10590	7.214,21	1131	5953	8453	10280	7.818,11
4700	1161	5805	8576	10855	7.364,72	1159	6102	8665	10537	7.979,96
4800	1161	5805	8576	10855	7.515,24	1159	6102	8665	10537	8.141,81

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo


Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	145									
											
Model		UFT-14-17				UFT-14-21					
Depth*	mm	170				215					
Exponent	n	1,10				1,07					
Basic price	€	212,45				276,93					
Price/metre	€	1.321,22				1.554,30					
Fan speed		0	1	2	3	Price	0	1	2	3	Price
		Φ _s	Φ _s	Φ _s	Φ _s	€	Φ _s	Φ _s	Φ _s	Φ _s	€
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts	€
Total length*	mm										
800		54	270	401	480	1.269,43	70	352	457	564	1.520,37
900		68	338	501	600	1.401,55	88	440	572	705	1.675,80
1000		95	473	701	840	1.533,67	123	616	800	988	1.831,23
1100		95	473	701	840	1.665,79	123	616	800	988	1.986,66
1200		108	541	801	960	1.797,91	141	704	915	1129	2.142,09
1300		122	608	902	1080	1.930,04	158	792	1029	1270	2.297,52
1400		135	676	1002	1200	2.062,16	176	880	1143	1411	2.452,95
1500		149	743	1102	1320	2.194,28	194	968	1258	1552	2.608,38
1600		162	811	1202	1440	2.326,40	211	1056	1372	1693	2.763,81
1700		162	811	1202	1440	2.458,52	211	1056	1372	1693	2.919,24
1800		189	946	1402	1680	2.590,65	246	1232	1601	1975	3.074,67
1900		203	1014	1503	1800	2.722,77	264	1320	1715	2116	3.230,10
2000		216	1081	1603	1920	2.854,89	282	1408	1829	2257	3.385,53
2100		230	1149	1703	2040	2.987,01	299	1496	1944	2398	3.540,96
2200		230	1149	1703	2040	3.119,13	299	1496	1944	2398	3.696,39
2300		257	1284	1903	2280	3.251,26	334	1672	2172	2681	3.851,82
2400		257	1284	1903	2280	3.383,38	334	1672	2172	2681	4.007,25
2500		270	1352	2003	2400	3.515,50	352	1760	2287	2822	4.162,68
2600		284	1419	2104	2520	3.647,62	370	1848	2401	2963	4.318,11
2700		297	1487	2204	2640	3.779,74	387	1936	2515	3104	4.473,54
2800		311	1554	2304	2760	3.911,87	405	2024	2630	3245	4.628,97
2900		324	1622	2404	2880	4.043,99	422	2112	2744	3386	4.784,40
3000		324	1622	2404	2880	4.176,11	422	2112	2744	3386	4.939,83
3100		351	1757	2604	3120	4.308,23	458	2288	2973	3668	5.095,26
3200		365	1825	2705	3240	4.440,35	475	2376	3087	3809	5.250,69
3300		365	1825	2705	3240	4.572,48	475	2376	3087	3809	5.406,12
3400		378	1892	2805	3360	4.704,60	493	2464	3201	3950	5.561,55
3500		392	1960	2905	3480	4.836,72	510	2552	3316	4091	5.716,98
3600		419	2095	3105	3720	4.968,84	546	2728	3544	4374	5.872,41
3700		419	2095	3105	3720	5.100,96	546	2728	3544	4374	6.027,84
3800		433	2163	3205	3840	5.233,09	563	2816	3659	4515	6.183,27
3900		446	2230	3306	3960	5.365,21	581	2904	3773	4656	6.338,70
4000		460	2298	3406	4080	5.497,33	598	2992	3887	4797	6.494,13
4100		473	2365	3506	4200	5.629,45	616	3080	4002	4938	6.649,56
4200		487	2433	3606	4320	5.761,57	634	3168	4116	5079	6.804,99
4300		487	2433	3606	4320	5.893,70	634	3168	4116	5079	6.960,42
4400		514	2568	3806	4560	6.025,82	669	3344	4345	5361	7.115,85
4500		527	2636	3907	4680	6.157,94	686	3432	4459	5502	7.271,28
4600		541	2703	4007	4800	6.290,06	704	3520	4573	5643	7.426,71
4700		554	2771	4107	4920	6.422,18	722	3608	4688	5784	7.582,14
4800		554	2771	4107	4920	6.554,31	722	3608	4688	5784	7.737,57

Warning: Weight over 100 kg. Max length 4800 mm



Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%

Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

Zehnder Terraline Neo

 Φ_s = Thermal output (ΔT 50 K: 75/65/20 °C) according to EN16430

Height*	mm	145									
											
Model		UFT-14-25				UFT-14-34					
Depth*	mm	255				340					
Exponent	n	1,06				1,04					
Basic price	€	362,05				395,14					
Price/metre	€	1.608,16				1.780,85					
Fan speed		0	1	2	3	0	1	2	3		
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Price	Φ_s	Φ_s	Φ_s	Φ_s	Price
		Watts	Watts	Watts	Watts	€	Watts	Watts	Watts	Watts	€
800		108	540	788	1002	1.648,58	113	751	1101	1391	1.819,82
900		135	675	985	1252	1.809,39	141	939	1377	1739	1.997,91
1000		189	946	1380	1753	1.970,21	197	1315	1927	2434	2.175,99
1100		189	946	1380	1753	2.131,03	197	1315	1927	2434	2.354,08
1200		216	1081	1577	2003	2.291,84	225	1503	2203	2782	2.532,16
1300		243	1216	1774	2254	2.452,66	254	1691	2478	3130	2.710,25
1400		270	1351	1971	2504	2.613,47	282	1878	2753	3478	2.888,33
1500		297	1486	2168	2755	2.774,29	310	2066	3029	3825	3.066,42
1600		324	1621	2365	3005	2.935,11	338	2254	3304	4173	3.244,50
1700		324	1621	2365	3005	3.095,92	338	2254	3304	4173	3.422,59
1800		378	1891	2759	3506	3.256,74	395	2630	3855	4869	3.600,67
1900		405	2026	2956	3756	3.417,55	423	2818	4130	5216	3.778,76
2000		432	2161	3153	4007	3.578,37	451	3005	4405	5564	3.956,84
2100		459	2296	3350	4257	3.739,19	479	3193	4681	5912	4.134,93
2200		459	2296	3350	4257	3.900,00	479	3193	4681	5912	4.313,01
2300		513	2567	3745	4758	4.060,82	535	3569	5231	6607	4.491,10
2400		513	2567	3745	4758	4.221,63	535	3569	5231	6607	4.669,18
2500		540	2702	3942	5008	4.382,45	564	3757	5507	6955	4.847,27
2600		567	2837	4139	5259	4.543,27	592	3945	5782	7303	5.025,35
2700		594	2972	4336	5509	4.704,08	620	4132	6057	7651	5.203,44
2800		621	3107	4533	5760	4.864,90	648	4320	6333	7998	5.381,52
2900		648	3242	4730	6010	5.025,71	676	4508	6608	8346	5.559,61
3000		648	3242	4730	6010	5.186,53	676	4508	6608	8346	5.737,69
3100		702	3512	5124	6511	5.347,35	733	4884	7159	9042	5.915,78
3200		729	3647	5321	6761	5.508,16	761	5072	7434	9389	6.093,86
3300		729	3647	5321	6761	5.668,98	761	5072	7434	9389	6.271,95
3400		756	3782	5518	7012	5.829,79	789	5259	7709	9737	6.450,03
3500		783	3917	5715	7262	5.990,61	817	5447	7985	10085	6.628,12
3600		838	4188	6110	7763	6.151,43	873	5823	8535	10780	6.806,20
3700		838	4188	6110	7763	6.312,24	873	5823	8535	10780	6.984,29
3800		865	4323	6307	8013	6.473,06	902	6011	8811	11128	7.162,37
3900		892	4458	6504	8264	6.633,87	930	6199	9086	11476	7.340,46
4000		919	4593	6701	8514	6.794,69	958	6386	9361	11824	7.518,54
4100		946	4728	6898	8765	6.955,51	986	6574	9637	12171	7.696,63
4200		973	4863	7095	9015	7.116,32	1014	6762	9912	12519	7.874,71
4300		973	4863	7095	9015	7.277,14	1014	6762	9912	12519	8.052,80
4400		1027	5133	7489	9516	7.437,95	1071	7138	10463	13215	8.230,88
4500		1054	5268	7686	9766	7.598,77	1099	7326	10738	13562	8.408,97
4600		1081	5403	7883	10017	7.759,59	1127	7513	11013	13910	8.587,05
4700		1108	5538	8080	10267	7.920,40	1155	7701	11289	14258	8.765,14
4800		1108	5538	8080	10267	8.081,22	1155	7701	11289	14258	8.943,22

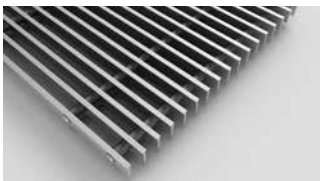
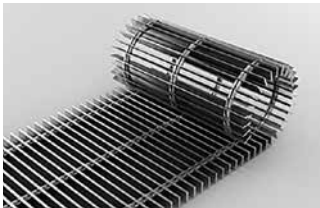
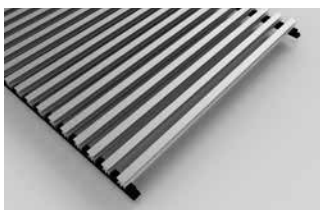
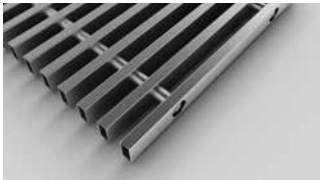
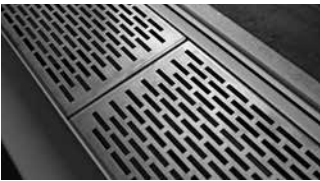
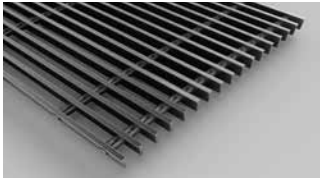
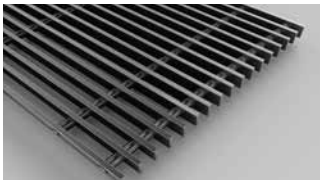
Warning: Weight over 100 kg. Max length 4800 mm

Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%



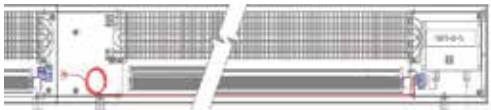
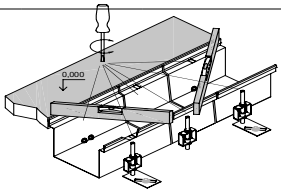



Version with transverse grille and other surfaces see "Special versions" on page 22

* including frame

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Special versions			Price €
<p>Linear grille Aluminium anodised natural (standard), black or bronze, rigid.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34 UFG-F42</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm 420 mm</p>	No additional cost
<p>Transverse grille Aluminium anodised: natural (standard), black or bronze, as a roll-up grille. Wood: beech natural, beech etched, oak natural or oak etched.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34 UFG-F42</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm 420 mm</p>	No additional cost
<p>Low transverse grille Aluminium anodised natural, black or bronze, rigid.</p> <p>Height 70 mm (models UFT-07-25 and UFT-07-34) are possible with this transverse grille only. Depth 420 mm is not possible with low transverse grille.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm</p>	No additional cost
<p>Transverse grille Rectangular profiles in stainless steel, rollable.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34 UFG-F42</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm 420 mm</p>	Additional cost
<p>Perforated sheet grille stainless-steel Sheet in stainless steel with rectangular hole pattern, rigid.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm</p>	Additional cost
<p>Linear grilles Anodised aluminium: stainless steel, rigid.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34 UFG-F42</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm 420 mm</p>	Additional cost Additional cost Additional cost Additional cost Additional cost
<p>Transverse grilles Anodised aluminium: stainless steel, as a roll-up grille.</p> <p>Supplied with trench heater.</p> <p>Grille can be priced independently.</p>		<p>Model</p> <p>UFG-F17 UFG-F21 UFG-F25 UFG-F34 UFG-F42</p> <p>for depth:</p> <p>170 mm 215 mm 255 mm 340 mm 420 mm</p>	Additional cost Additional cost Additional cost Additional cost Additional cost
<p>Special grille shapes Corner solutions and cut-outs</p>		see page 27	On request

Zehnder Terraline, Zehnder Terraline Neo

Special versions		Price €	
Additional air source for combination with ventilation solutions from Zehnder <ul style="list-style-type: none"> ■ Opening for air source connection. Connector for Zehnder ComfoTube with screws as well as locking slide for Zehnder Ø 75 mm ■ ComfoTube not included (see page 31). Ø 90 mm ■ Details of possible diameter depending on casing height as per page 30 flat 51 		Additional cost Additional cost Additional cost	
Intermediate lengths Charged for by the next larger catalogue length. 10% surcharge.		+ 10%	
Power supply IP67 integrated in casing Provide casing longer by 200 mm. Output of integrated power supply depending of model: <ul style="list-style-type: none"> ■ 100 Watts: UFT-09-17, UFT-11-17, UFT-14-17 and UFT-14-34 ■ 60 Watts: UFT-07-25, UFT-07-34, UFT-09-21, UFT-09-25, UFT-09-34, UFT-11-21, UFT-11-25, UFT-11-34, UFT-14-21 and UFT-14-25 Several trench heaters can be connected up to the power output of the power supply, depending of power consumption of fan, actuator and electric network, see section PLANNING NOTES.		Additional cost	
 		60 Watts 100 Watts	
Connection in series for excess lengths		+ 5%	
Pluggable electric connection for UFT models for connection in series supplied with cable		 Additional cost	
Floor brackets <ul style="list-style-type: none"> ■ Setting bold and setting feet adjustable from top ■ Floor brackets shortable from 60 mm to 300 mm 		 Additional cost see page 85 and 86	
Euroconus connections		 Additional cost	
Description	Product	Article no.	Price €
Pipe connection for Zehnder ComfoTube InFloor with fixing clamp and 4 screws Diameter 75 mm, max. air volume 30 m ³ /h Diameter 90 mm, max. air volume 45 m ³ /h O-ring seal not included.		990 320 561 990 320 562	on request on request
Pipe connection for Zehnder ComfoTube OnFloor Flat 51 sleeve, including locking slide		988 326 010	on request

Zehnder Terraline, Zehnder Terraline Neo

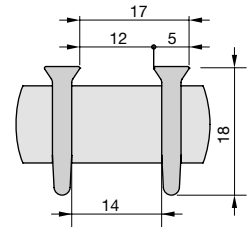
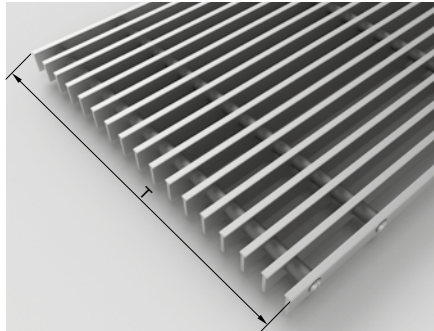


Linear grille

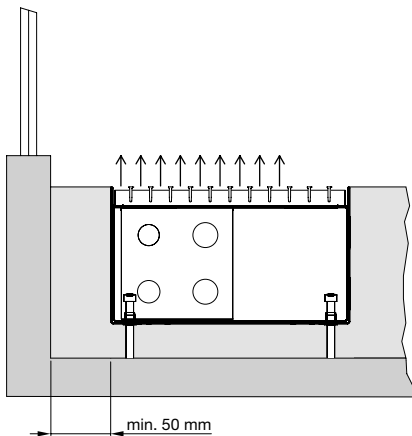
Linear grilles are made from T-shaped anodised aluminium profile bars in the length of the radiator, on spring steel with colour-coordinated spacers. The elegantly connected sections produce a rugged linear grille with a large open cross-section for optimal performance.

Max. length of linear grille per piece:
All versions max. 3000 mm

Grilles are walkable. Max. weight load as per requirement on request.



Dimensions in mm



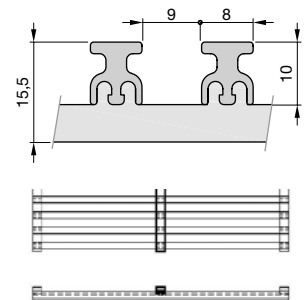
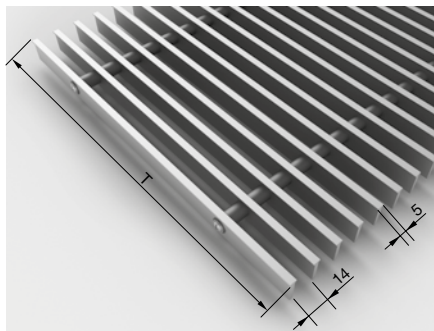
Model UN and UFT		T Grille depth in frame mm	Grille height mm	Open cross-section %
UN-.-17	—	159	18	70
UN-.-21	UFT-.-21	204		
UN-.-25	UFT-.-25	244		
UN-.-34	UFT-.-34	329		
UN-.-42	—	409		

Transverse grille aluminium

Transverse grilles are made of T-shaped transverse anodised aluminium profile bars on two spring steels with colour-coordinated spacers. Models UN/UFT-.-42 with 3 spring steel strengtheners. Transverse grilles are hard-wearing, simple to install and can be shortened on site as required.

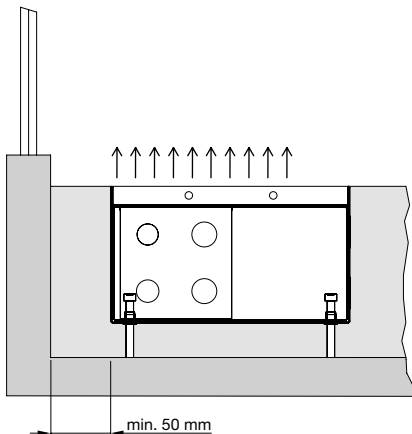
Maximum length of transverse grille per piece:
All versions: max. 6500 mm

Grilles are walkable. Max. weight load as per requirement on request.



Dimensions in mm

UN/UFT-.-34 models with additional reinforcement in the centre:



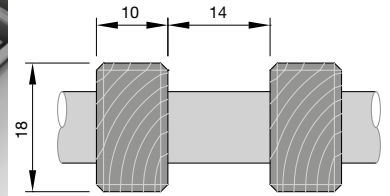
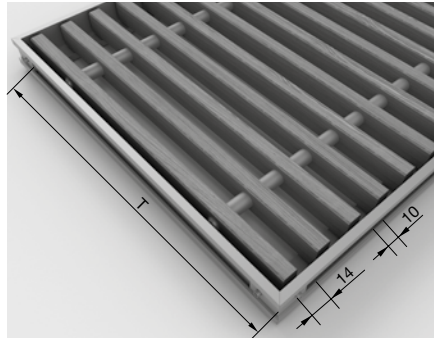
Model UN and UFT		T Grille depth in frame mm	Grille height mm	Open cross-section %
UN-.-17	—	159	18	70
UN-.-21	UFT-.-21	204		
UN-.-25	UFT-.-25	244		
UN-.-34	UFT-.-34	329		
UN-.-42	—	409		

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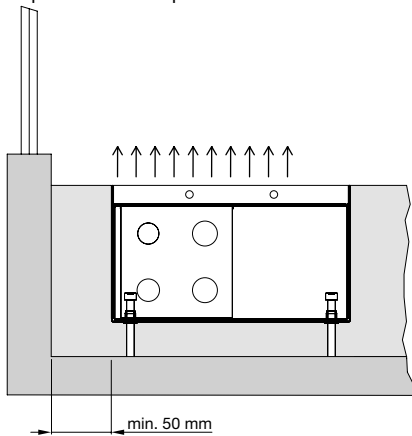
Transverse grille wood

Transverse grilles are made of transverse wood profile bars on 2 spring steels with colour-coordinated spacers (black for etched beech and etched oak, beige for natural beech and natural oak). UN/UFT-.. 42 models with 3 spring steel strengtheners. Transverse grilles are simple to install and can be shortened on site as required. Wood is a natural product and thus is subject to changes caused by ageing, the grille may contract in time through the effect of heat.

Maximum length of transverse grille per piece:
 Wood: max. 6500 mm
 Grilles are walkable. Max. weight load as per requirement on request.



Dimensions in mm



Model UN and UFT		T Grille depth in frame mm	Grille height mm	Open cross-section %
UN-..-17	—	159	18	59
UN-..-21	UFT-..-21	204		
UN-..-25	UFT-..-25	244		
UN-..-34	UFT-..-34	329		
UN-..-42	—	409		

Low transverse grille aluminium

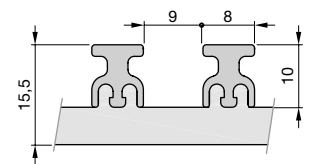
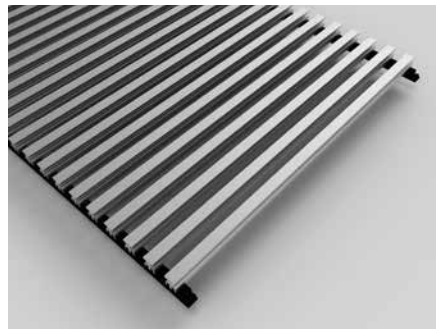
Low transverse grilles are made from anodised aluminium profile bars in the length of the radiator on black plastic bars. Low transverse grilles are hardwearing, simple to install and can be shortened on site as required.

A height of 70 mm (UFT-07-25 and UFT-07-34 models) is possible with this transverse grille only.

Aluminium profiles are pressed in black plastic bars. The grille is not a roll-up grille and consists of linked sections to one piece.

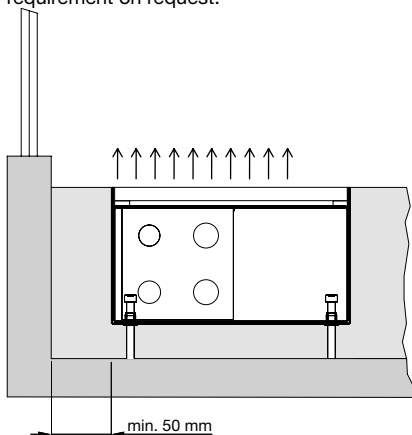
Max. length of low transverse grilles per section is 520 mm.

Grilles are walkable. Max. weight load depending of requirement on request.



Dimensions in mm

UN/UFT-..34 models with additional reinforcement in the centre:



Model UN and UFT		T Grille depth in frame mm	Grille height mm	Open cross-section %
UN-..-17	UFT-..-17	159	15,5	53
UN-..-21	UFT-..-21	204		
UN-..-25	UFT-..-25	244		
UN-..-34	UFT-..-34	329		

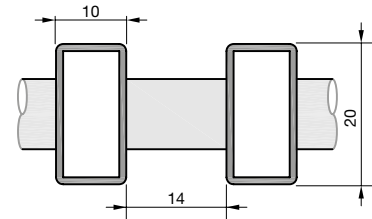
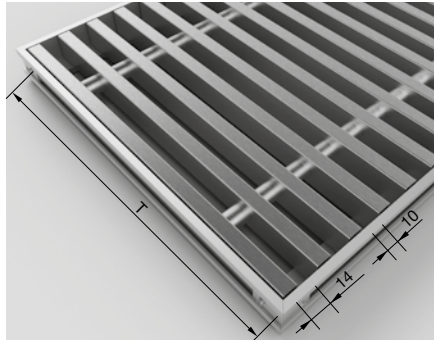
Zehnder Terraline, Zehnder Terraline Neo

Transverse grille stainless-steel

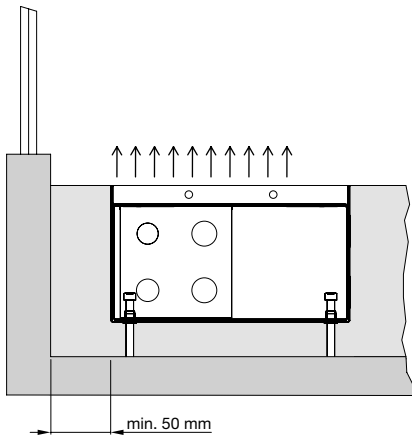
Transverse grilles are made of stainless steel transverse profile bars with open ends on 2 spring steel with colour-coordinated spacers.

Models UN/UFT-..42 with 3 spring steel strengtheners. Transverse grilles are hard-wearing simple to install and can be shortened on site as required.

Maximum length of transverse grille per piece:
 Stainless steel: max. 3000 mm
 Grilles are walkable. Max. weight load depending of requirement on request. Not accessible by car. Drivable version on request.



Dimensions in mm



Model UN and UFT		T Grille depth in frame mm	Grille height mm	Open cross-section %
UN-..-17	—	159	20	59
UN-..-21	UFT-..-21	204		
UN-..-25	UFT-..-25	244		
UN-..-34	UFT-..-34	329		
UN-..-42	—	409		

Stainless steel grille with rectangular hole pattern

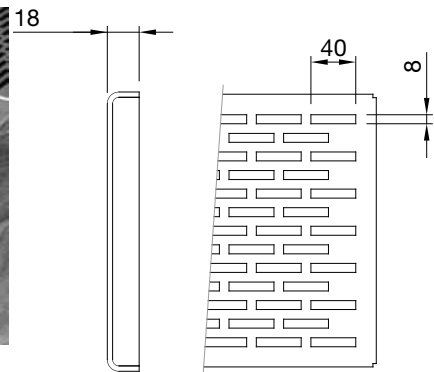
Grilles with rectangular hole pattern are made of stainless steel.

Suitable e.g. for applications to be walkable with high heels or charged by chairs, wheelchairs etc.

For widths 170 mm, 215 mm and 255 mm only. Not possible for models with heights 70 mm (UFT-07-..)

Maximum length of perforated sheet grille per piece:
 Stainless steel: max. 1000 mm

Grilles are walkable. Max. weight load depending of requirement on request.



Dimensions in mm

Zehnder Terraline, Zehnder Terraline Neo

Designer frame													
<p>Designer frames in natural anodised aluminium finish are supplied as standard version. The frame projects 2 mm laterally and 2 mm vertically above the casing. Aluminium grilles laid in the frame are flush with the top of the frame.</p> <p>Frame is in same surface as grille (aluminium anodised natural, black or bronze), except for surfaces as following:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Grille</td> <td style="width: 50%;">Frame</td> </tr> <tr> <td>Wood – natural beech</td> <td>natural anodised</td> </tr> <tr> <td>Wood – etched beech</td> <td>bronze anodised</td> </tr> <tr> <td>Wood – natural oak</td> <td>natural anodised</td> </tr> <tr> <td>Wood – etched oak</td> <td>bronze anodised</td> </tr> <tr> <td>Stainless steel</td> <td>natural anodised</td> </tr> </table> <p>Grilles are walkable. Max. weight load depending of requirement on request.</p>	Grille	Frame	Wood – natural beech	natural anodised	Wood – etched beech	bronze anodised	Wood – natural oak	natural anodised	Wood – etched oak	bronze anodised	Stainless steel	natural anodised	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>With frame and linear grille</p> </div> <div style="text-align: center;"> <p>With frame and aluminium transverse grille</p> </div> <div style="text-align: center;"> <p>Frame detail</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>With frame and wood transverse grille</p> </div> <div style="text-align: center;"> <p>With frame and stainless steel transverse grille</p> </div> </div>
Grille	Frame												
Wood – natural beech	natural anodised												
Wood – etched beech	bronze anodised												
Wood – natural oak	natural anodised												
Wood – etched oak	bronze anodised												
Stainless steel	natural anodised												
<p>15x15 mm L-frame (peripheral strips) for covering expansions of up to 10 mm on a floating floor (e.g. parquet) on request.</p> <p>At order stage indicate standard length. Width and length will be greater by 21 mm (including L-frame).</p>	<div style="display: flex; align-items: center; margin-left: 20px;"> <div style="margin-right: 10px;">e.g. model -21 new 236 mm</div> </div>												
Special designs of linear grille													
Design	Sketch / template												
<p>Zehnder Terraline is available with the following corner solutions and cut-outs with linear grille:</p> <ul style="list-style-type: none"> - angle mitre cut, with 2 J-ledges fixed in the middle (standard) - angle, butted up or mitre cut without J-ledges in the middle (on request) - Cut-out without cover - Special solutions on request 	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Angled, mitre cut</p> </div> <div style="text-align: center;"> <p>90° angle butted up</p> </div> <div style="text-align: center;"> <p>Cut-out</p> </div> </div>												
Special designs of transverse grille													
Design	Sketch / template												
<p>Zehnder Terraline is available with the following corner solutions and cut-outs with aluminium and wood transverse grilles:</p> <ul style="list-style-type: none"> - 90° angle, butted up (on request). Possible for stainless steel grilles too. - 90° angle mitre cut (2 x 45°). Cuts are secured inside ledge and not visible (standard). Low transverse grilles not possible - Cut-out without cover. Low transverse grilles not possible - Special solutions on request 	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Angeled, mitre-jointed</p> </div> <div style="text-align: center;"> <p>90° angle butted up</p> </div> <div style="text-align: center;"> <p>Cut-out</p> </div> </div>												
Curved version													
<ul style="list-style-type: none"> - Case made of stainless steel painted in RAL 9005 black - Copper wire heat emitter of wire basket on supporting copper pipe 	<p>On request</p>												

Zehnder Terraline, Zehnder Terraline Neo

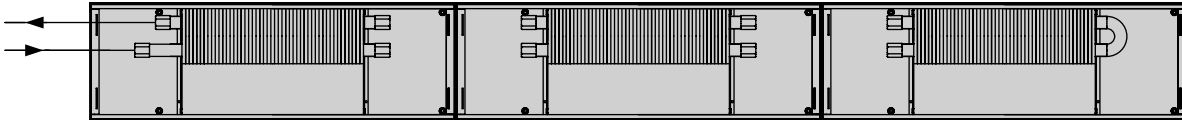
Connection in series for excess lengths

Several convectors can be connected in series. The different versions of the casings must be taken into consideration. Each series has one left-hand casing, one right-hand casing and possibly one or more central casings.

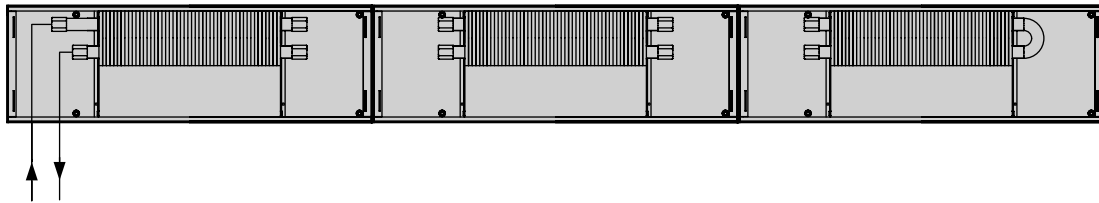
A series (total length) is divided as evenly as possible into sections of standard lengths and, where necessary, a section into special lengths. The division can be specified by the client on request.

Pluggable electric connection at UFT models on request.
Order and solution on request and as per sketch.

Example of a same-side connection, frontal: UN-09-25



Example of a same-side connection, room side: UN-09-25



Note: When ordering, total length is including designer frame

Models available for connection in series of casing and heat emitter:

UN-09-17 UFT-07-25
UN-09-21 UFT-07-34
UN-09-25 UFT-09-17
UN-09-34 UFT-09-21
UN-09-42 UFT-09-25
UN-11-17 UFT-11-17
UN-11-21 UFT-11-21
UN-11-25 UFT-11-25
UN-14-17 UFT-14-17
UN-14-21 UFT-14-21
UN-14-25 UFT-14-25
UN-19-17 UFT-14-34

Models for connection in series only for casing:

Connection in series of heat emitter not possible. Each heat emitter would have to be connected individually.

UN-11-34 UFT-09-34
UN-14-34 UFT-11-34
UN-19-21
UN-19-25
UN-11-42
UN-14-42
UN-19-34
UN-19-42

Convectors connected in series come with a frame pre-installed at the factory as standard, which is butted up.

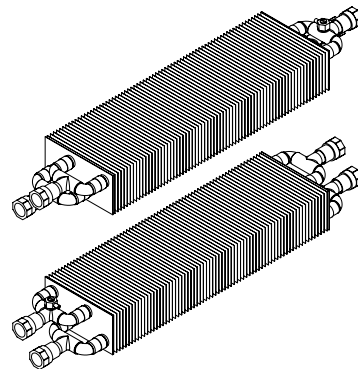
Holes are pre-punched on the front in order to connect the individual convectors; suitable screws are part of the scope of delivery. The designer grilles are up to the maximum available length, see pages 24–26.

On request, the grille lengths can be chosen.

Trench heaters can be installed in series as required; as a rule the mass flows and arising pressure loss at the valve must be taken into consideration. The pressure loss of the heat emitter is as per table and diagrams on pages 32–33.



Example connection in series with flexible hose (included in delivery), 90° angled version on request



Zehnder Terraline, Zehnder Terraline Neo

Grille surfaces and frames Zehnder Terraline

Aluminium grille (no additional cost)

Linear grilles



Linear grille: natural anodised
Frame: Natural anodised aluminium
Spacers: grey



Linear grille: bronze anodised
Frame: Bronze anodised aluminium
Spacers: black

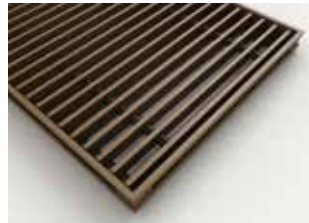


Linear grille: black anodised
Frame: Black anodised aluminium
Spacers: black

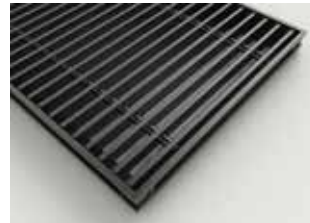
Transverse grilles



Transverse grille: natural anodised
Frame: Natural anodised aluminium
Spacers: grey



Transverse grille: bronze anodised
Frame: Bronze anodised aluminium
Spacers: black



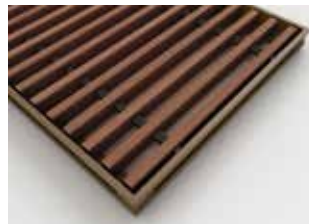
Transverse grille: black anodised
Frame: Black anodised aluminium
Spacers: black

Wood grilles (no additional costs)

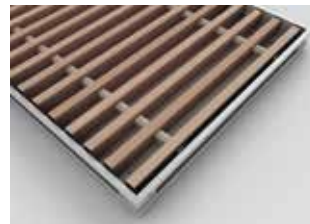
Transverse grilles



Transverse grilles: Natural beech
Frame: Natural anodised aluminium
Spacers: beige



Transverse grilles: Etched beech
Frame: Bronze anodised aluminium
Spacers: black



Transverse grilles: Natural oak
Frame: Natural anodised aluminium
Spacers: beige



Transverse grilles: Etched oak
Frame: Bronze anodised aluminium
Spacers: black

Aluminium low transverse grille (all models except -42, 420 mm depth, no additional cost)

Roll-up not possible



Low transverse grille: natural anodised
Frame: Natural anodised aluminium
Plastic bar: black



Low transverse grille: bronze anodised
Frame: Natural anodised aluminium
Plastic bar: black

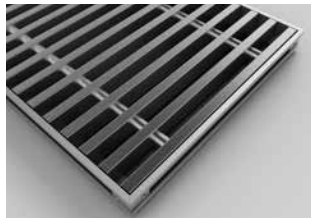


Low transverse grille: black anodised
Frame: Natural anodised aluminium
Plastic bar: black

Zehnder Terraline, Zehnder Terraline Neo

Stainless Steel grille (Additional cost)

Transverse grilles



Grille: Stainless steel
 Frame: Natural anodised aluminium
 Spacers: grey

Perforated sheet grille



Grille: Stainless steel rectangular
 hole pattern
 Frame: Natural anodised aluminium

Linear grilles



Grille: Anodised aluminium,
 stainless steel
 Frame: Natural anodised aluminium
 Spacers: stainless steel

Transverse grilles



Grille: Anodised aluminium,
 stainless steel
 Frame: Natural anodised aluminium
 Spacers: stainless steel

Zehnder Terraline, Zehnder Terraline Neo

Combination of trench heater with comfortable indoor ventilation

Product description

Zehnder Terraline trench heaters are ideally suited for combining with ventilation solutions from Zehnder. In this arrangement, the trench heaters are additionally used as an air source outlet. The ventilation tubes can be conveniently embedded in the bare concrete slab (InFloor) or housed within the floor structure (OnFloor). Depending on the version and height, the air supply can also be channelled through a cavity floor (raised floor).

For suitable Zehnder Terraline models see the table below.

For projects, Zehnder Terraline with air source connection is also available in special versions on request (see illustration).

Benefits of the source air technology of ventilation solutions from Zehnder

- Source ventilation provides a comfortable indoor climate
- Does not interfere with the look of the building or room
- Ventilation ducts can be integrated into the concrete floor slab or into the floor structure
- Silent operation



Casing height incl. frame mm	Zehnder ComfoTube Flat 51	Zehnder ComfoTube 75	Zehnder ComfoTube 90
90	x	-	-
110	x	x	-
145	x	x	x
190	x	x	x
H _c	39	46	60

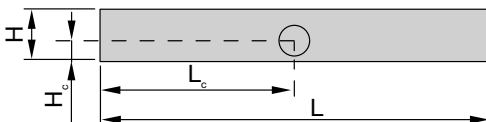
H = Height incl. casing

H_c = Distance air source outlet to bottom of casing

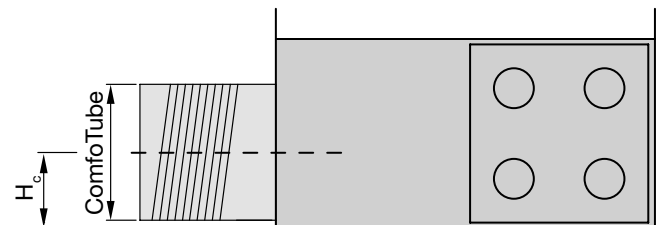
L = Length incl. casing

L_c = Distance air source outlet to border of casing = position of air source outlet $\frac{L}{2}$

Position of air source outlet



Connection detail of ventilation duct



Heat emitter pressure losses

Minimum water flow

If the flow of water is heavily reduced, the heat output can fall far below the calculated or indicated value. For this reason, a minimum water flow should always be ensured.

The minimum water flows q_{min} should be 17% of the standard water flow q_{ms} which does not cause the thermal output to deviate from the standard characteristic line by more than 5%.

Model	Trench heater length [mm]	Heat emitter fins length [mm]	Water volume [l]	Water flow in piping												
				[kg/h]												
				20	40	60	80	100	120	150	200	250	300	350	400	
2 pipe heat emitter				Pressure loss Δp [kPa]												
UN-09-17 UN-09-21 UN-09-25 UN-11-17 UN-14-17	UFT-07-25 UFT-09-17 UFT-09-21 UFT-11-17 UFT-11-21 UFT-14-17 UFT-14-21	800	500	0,3	0,00	0,01	0,01	0,03	0,05	0,07	0,11	0,22	0,36	0,53	0,75	1,00
		1000	700	0,3	0,00	0,01	0,02	0,04	0,06	0,09	0,14	0,26	0,42	0,61	0,85	1,14
		1500	1200	0,4	0,00	0,01	0,03	0,06	0,09	0,13	0,20	0,36	0,57	0,82	1,12	1,47
		2000	1700	0,7	0,01	0,02	0,05	0,08	0,12	0,17	0,27	0,47	0,72	1,03	1,40	1,81
		2500	2200	0,9	0,01	0,03	0,06	0,10	0,15	0,22	0,33	0,57	0,87	1,24	1,67	2,15
		3000	2700	1,2	0,01	0,03	0,07	0,12	0,18	0,26	0,39	0,68	1,03	1,45	1,94	2,49
		3500	3200	1,4	0,01	0,04	0,08	0,14	0,22	0,30	0,46	0,78	1,18	1,66	2,21	2,83
		4000	3700	1,7	0,01	0,05	0,10	0,16	0,25	0,35	0,52	0,88	1,33	1,86	2,48	3,17
		4500	4200	1,9	0,02	0,05	0,11	0,19	0,28	0,39	0,59	0,99	1,49	2,07	2,75	3,50
		4800	4500	2,1	0,02	0,06	0,12	0,20	0,30	0,42	0,62	1,05	1,58	2,20	2,91	3,71
3 pipe heat emitter				Pressure loss Δp [kPa]												
UN-09-34	UFT-07-34	800	500	0,4	0,00	0,00	0,01	0,02	0,03	0,05	0,09	0,16	0,27	0,40	0,56	0,75
		1000	700	0,6	0,00	0,01	0,01	0,03	0,04	0,06	0,10	0,19	0,31	0,46	0,64	0,85
		1500	1200	1,0	0,00	0,01	0,02	0,04	0,07	0,10	0,15	0,27	0,43	0,62	0,84	1,11
		2000	1700	1,2	0,00	0,02	0,03	0,06	0,09	0,13	0,20	0,35	0,54	0,77	1,05	1,36
		2500	2200	1,8	0,01	0,02	0,04	0,08	0,11	0,16	0,25	0,43	0,66	0,93	1,25	1,61
		3000	2700	2,0	0,01	0,03	0,05	0,09	0,14	0,19	0,30	0,51	0,77	1,09	1,45	1,87
		3500	3200	2,6	0,01	0,03	0,06	0,11	0,16	0,23	0,34	0,59	0,89	1,24	1,65	2,12
		4000	3700	3,1	0,01	0,04	0,07	0,12	0,19	0,26	0,39	0,66	1,00	1,40	1,86	2,37
		4500	4200	3,5	0,01	0,04	0,08	0,14	0,21	0,29	0,44	0,74	1,11	1,55	2,06	2,63
		4800	4500	3,7	0,01	0,04	0,09	0,15	0,22	0,31	0,47	0,79	1,18	1,65	2,18	2,78
4 pipe heat emitter				Pressure loss Δp [kPa]												
UN-09-42 UN-11-21 UN-11-25 UN-14-21 UN-14-25 UN-19-17	UFT-09-25 UFT-11-25 UFT-14-25 UFT-14-34	800	500	0,5	0,00	0,02	0,04	0,07	0,10	0,15	0,23	0,40	0,62	0,88	1,20	1,55
		1000	700	0,7	0,01	0,02	0,05	0,08	0,12	0,18	0,27	0,47	0,73	1,04	1,40	1,81
		1500	1200	1,2	0,01	0,03	0,07	0,12	0,18	0,25	0,38	0,66	1,01	1,43	1,91	2,46
		2000	1700	1,7	0,01	0,04	0,09	0,15	0,23	0,33	0,49	0,85	1,29	1,81	2,42	3,11
		2500	2200	1,9	0,01	0,05	0,11	0,19	0,29	0,40	0,61	1,03	1,57	2,20	2,93	3,76
		3000	2700	2,4	0,02	0,06	0,13	0,22	0,34	0,47	0,72	1,22	1,85	2,59	3,44	4,40
		3500	3200	2,9	0,02	0,07	0,15	0,26	0,39	0,55	0,83	1,41	2,12	2,97	3,95	5,05
		4000	3700	3,4	0,02	0,08	0,17	0,30	0,45	0,62	0,94	1,59	2,40	3,36	4,46	5,70
		4500	4200	3,9	0,03	0,09	0,20	0,33	0,50	0,70	1,05	1,78	2,68	3,75	4,97	6,35
		4800	4500	4,2	0,03	0,10	0,21	0,35	0,53	0,74	1,12	1,89	2,85	3,98	5,28	6,74



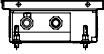

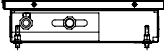

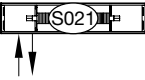

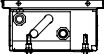
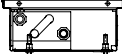
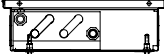
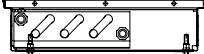
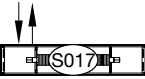

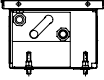
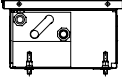
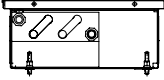
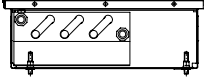
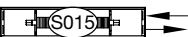

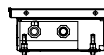
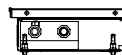
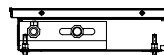
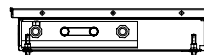
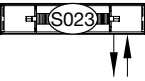

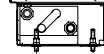
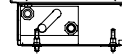
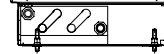

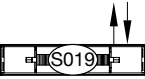
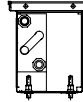
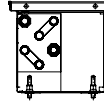
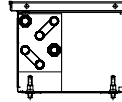
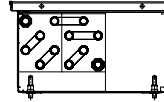
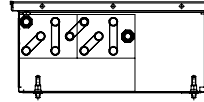
Full table with all lengths on request

Zehnder Terraline, Zehnder Terraline Neo

Heat emitter pressure losses

Model	Trench heater length [mm]	Heat emitter fins length [mm]	Water volume [l]	Water flow in piping												
				[kg/h]												
				20	40	60	80	100	120	150	200	250	300	350	400	
6 pipe heat emitter				Pressure loss Δp [kPa]												
UN-11-34 UN-14-34 UN-19-21 UN-19-25	UFT-09-34 UFT-11-34	800	500	0,8	0,01	0,03	0,06	0,11	0,17	0,23	0,35	0,61	0,92	1,29	1,72	2,21
		1000	700	1,0	0,01	0,04	0,08	0,13	0,20	0,28	0,43	0,72	1,09	1,53	2,03	2,59
		1500	1200	1,2	0,02	0,06	0,12	0,20	0,29	0,41	0,61	1,02	1,53	2,12	2,79	3,55
		2000	1700	1,7	0,02	0,08	0,16	0,26	0,39	0,53	0,79	1,32	1,96	2,71	3,56	4,51
		2500	2200	2,2	0,03	0,10	0,20	0,32	0,48	0,66	0,98	1,62	2,39	3,30	4,32	5,46
		3000	2700	2,7	0,03	0,12	0,23	0,39	0,57	0,79	1,16	1,91	2,83	3,89	5,09	6,42
		3500	3200	3,2	0,04	0,14	0,27	0,45	0,66	0,91	1,34	2,21	3,26	4,48	5,85	7,38
		4000	3700	3,7	0,05	0,15	0,31	0,51	0,76	1,04	1,52	2,51	3,69	5,07	6,62	8,34
		4500	4200	4,2	0,05	0,17	0,35	0,58	0,85	1,16	1,71	2,81	4,13	5,66	7,38	9,30
4800	4500	4,5	0,06	0,19	0,37	0,61	0,90	1,24	1,82	2,99	4,39	6,01	7,84	9,87		
8 pipe heat emitter				Pressure loss Δp [kPa]												
UN-11-42 UN-14-42		800	500	1,0	0,01	0,04	0,09	0,15	0,23	0,32	0,48	0,81	1,21	1,68	2,23	2,84
		1000	700	1,4	0,02	0,05	0,11	0,19	0,28	0,39	0,58	0,97	1,44	2,00	2,63	3,34
		1500	1200	2,4	0,02	0,08	0,17	0,27	0,41	0,56	0,83	1,37	2,02	2,78	3,65	4,61
		2000	1700	2,8	0,03	0,11	0,22	0,36	0,53	0,73	1,07	1,77	2,60	3,57	4,66	5,88
		2500	2200	3,8	0,04	0,14	0,27	0,45	0,66	0,90	1,32	2,17	3,18	4,36	5,68	7,15
		3000	2700	4,8	0,05	0,16	0,33	0,54	0,79	1,07	1,57	2,57	3,77	5,14	6,70	8,41
		3500	3200	5,8	0,06	0,19	0,38	0,62	0,91	1,25	1,82	2,97	4,35	5,93	7,71	9,68
		4000	3700	6,8	0,07	0,22	0,44	0,71	1,04	1,42	2,07	3,37	4,93	6,72	8,73	10,95
		4500	4200	7,8	0,08	0,25	0,49	0,80	1,17	1,59	2,32	3,77	5,51	7,50	9,74	12,22
4800	4500	8,4	0,08	0,26	0,52	0,85	1,24	1,69	2,47	4,02	5,86	7,98	10,35	12,98		
12 pipe heat emitter				Pressure loss Δp [kPa]												
UN-19-34 UN-19-42		800	500	1,5	0,02	0,07	0,14	0,24	0,35	0,49	0,72	1,20	1,77	2,44	3,21	4,06
		1000	700	2,1	0,03	0,09	0,18	0,29	0,43	0,59	0,87	1,44	2,12	2,91	3,81	4,81
		1500	1200	2,7	0,04	0,13	0,26	0,42	0,62	0,85	1,24	2,03	2,99	4,09	5,32	6,70
		2000	1700	4,2	0,05	0,17	0,34	0,55	0,81	1,10	1,61	2,63	3,85	5,26	6,84	8,59
		2500	2200	5,7	0,07	0,21	0,42	0,68	1,00	1,36	1,98	3,23	4,72	6,43	8,35	10,47
		3000	2700	7,2	0,08	0,25	0,50	0,81	1,19	1,61	2,35	3,83	5,58	7,60	9,86	12,36
		3500	3200	8,6	0,09	0,29	0,58	0,94	1,38	1,87	2,72	4,43	6,45	8,77	11,38	14,25
		4000	3700	10,1	0,10	0,34	0,66	1,07	1,56	2,13	3,10	5,02	7,31	9,94	12,89	16,14
		4500	4200	11,6	0,12	0,38	0,74	1,21	1,75	2,38	3,47	5,62	8,18	11,11	14,40	18,02
4800	4500	12,5	0,13	0,40	0,79	1,28	1,87	2,54	3,69	5,98	8,70	11,82	15,31	19,16		

Full table with all lenghts on request



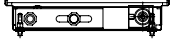

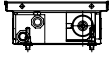

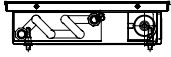
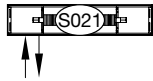

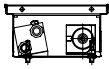
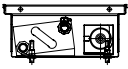
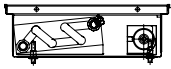
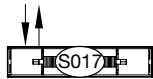

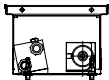
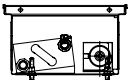
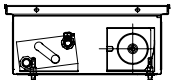
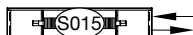

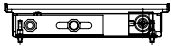

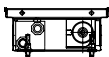
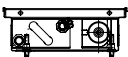
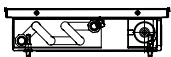
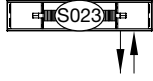

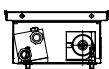
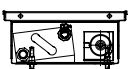
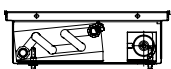
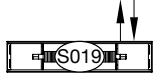

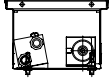
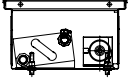
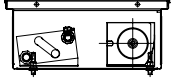
Connection type	Dimensional drawing: Side view (heat emitter, casing)				
<p>Same side, at front on left</p> 	UN-09-17 	UN-09-21 	UN-09-25 	UN-09-34 	UN-09-42 
<p>Same side, room side left</p> 	UN-11-17 	UN-11-21 	UN-11-25 	UN-11-34 	UN-11-42 
<p>Same side, window side left</p> 	UN-14-17 	UN-14-21 	UN-14-25 	UN-14-34 	UN-14-42 
<p>Same side, on right</p> 	UN-09-17 	UN-09-21 	UN-09-25 	UN-09-34 	UN-09-42 
<p>Same side, room side right</p> 	UN-11-17 	UN-11-21 	UN-11-25 	UN-11-34 	UN-11-42 
<p>Same side, window side right</p> 	UN-14-17 	UN-14-21 	UN-14-25 	UN-14-34 	UN-14-42 

Flow and return can be interchanged.

With some models, actuator and valves (depending of brand and type) can't be installed inside the case due to space reasons and have to be installed outside of the case.

All connections are supplied at no additional cost.

Zehnder Terraline Neo

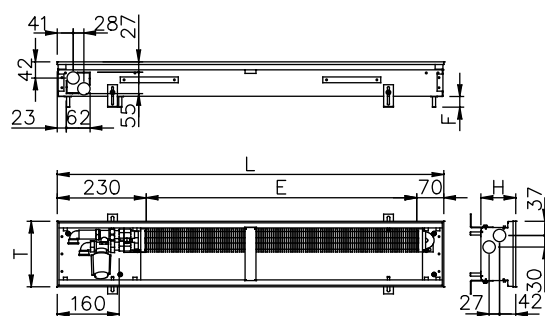
Connection type	Dimensional drawing: Side view (heat emitter, casing)			
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<p>Same side, room side left</p> 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-11-17</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-21</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-34</p>  </div> </div>			
<p>Same side, window side left</p> 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-14-17</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-21</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-34</p>  </div> </div>			
<p>Same side, on right</p> 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-07-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-07-34</p>  </div> </div> <div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-09-17</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-09-21</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-09-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-09-34</p>  </div> </div>			
<p>Same side, room side right</p> 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-11-17</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-21</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-11-34</p>  </div> </div>			
<p>Same side, window side right</p> 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center; margin: 5px;"> <p>UFT-14-17</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-21</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-25</p>  </div> <div style="text-align: center; margin: 5px;"> <p>UFT-14-34</p>  </div> </div>			

Flow and return can be interchanged.

With some models, actuator and valves (depending of brand and type) can't be installed inside the case due to space reasons and have to be installed outside of the case.

All connections are supplied at no additional cost.

Model UN-09-17 - for same-side connection, room-facing or frontal



- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 – 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

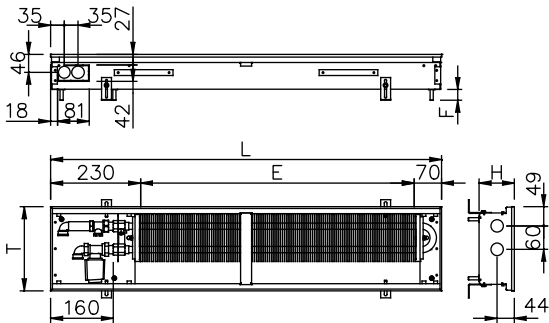
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H mm	L mm	E mm	T mm	V dm ³	M kg	q _{ms} kg/h	Exp. n	Φ _S = ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-09-17-800	90	800	505	170	0,3	3,7	8,9	1,46	103	81	49	37
UN-09-17-900	90	900	605	170	0,3	4,2	10,6	1,46	123	97	58	45
UN-09-17-1000	90	1000	705	170	0,3	4,7	12,3	1,46	143	113	68	52
UN-09-17-1100	90	1100	805	170	0,4	5,2	14,0	1,46	163	129	77	59
UN-09-17-1200	90	1200	905	170	0,4	5,7	15,8	1,46	184	145	87	67
UN-09-17-1300	90	1300	1005	170	0,5	6,2	17,5	1,46	204	161	97	74
UN-09-17-1400	90	1400	1105	170	0,5	6,7	19,3	1,46	224	177	112	81
UN-09-17-1500	90	1500	1205	170	0,6	7,2	21,1	1,46	245	193	116	89
UN-09-17-1600	90	1600	1305	170	0,6	7,7	22,8	1,46	265	209	126	96
UN-09-17-1700	90	1700	1405	170	0,7	8,2	24,5	1,46	285	225	135	104
UN-09-17-1800	90	1800	1505	170	0,7	8,7	26,3	1,46	306	241	145	111
UN-09-17-1900	90	1900	1605	170	0,8	9,2	28,0	1,46	326	257	155	118
UN-09-17-2000	90	2000	1705	170	0,8	9,7	29,7	1,46	346	273	164	126
UN-09-17-2100	90	2100	1805	170	0,9	10,2	31,5	1,46	366	289	174	133
UN-09-17-2200	90	2200	1905	170	0,9	10,7	33,3	1,46	387	305	184	141
UN-09-17-2300	90	2300	2005	170	1,0	11,5	35,0	1,46	407	321	193	148
UN-09-17-2400	90	2400	2105	170	1,0	11,8	36,7	1,46	427	337	203	155
UN-09-17-2500	90	2500	2205	170	1,1	12,3	38,5	1,46	448	353	213	163
UN-09-17-2600	90	2600	2305	170	1,1	12,8	40,2	1,46	468	369	222	170
UN-09-17-2700	90	2700	2405	170	1,2	13,3	42,0	1,46	488	385	231	177
UN-09-17-2800	90	2800	2505	170	1,2	13,8	43,8	1,46	509	401	241	185
UN-09-17-2900	90	2900	2605	170	1,3	14,3	45,5	1,46	529	417	251	192
UN-09-17-3000	90	3000	2705	170	1,3	14,8	47,2	1,46	549	433	260	200
UN-09-17-3100	90	3100	2805	170	1,4	15,3	48,9	1,46	569	449	270	207
UN-09-17-3200	90	3200	2905	170	1,4	15,8	50,7	1,46	590	465	280	214
UN-09-17-3300	90	3300	3005	170	1,5	16,3	52,4	1,46	610	481	289	222
UN-09-17-3400	90	3400	3105	170	1,5	16,8	54,2	1,46	630	497	299	229
UN-09-17-3500	90	3500	3205	170	1,6	17,3	56,0	1,46	651	513	309	237
UN-09-17-3600	90	3600	3305	170	1,6	17,8	57,7	1,46	671	529	318	244
UN-09-17-3700	90	3700	3405	170	1,7	18,3	59,4	1,46	691	545	328	251
UN-09-17-3800	90	3800	3505	170	1,7	18,8	61,2	1,46	712	562	338	259
UN-09-17-3900	90	3900	3605	170	1,8	19,3	62,9	1,46	732	577	347	266
UN-09-17-4000	90	4000	3705	170	1,8	19,8	64,7	1,46	752	593	357	273
UN-09-17-4100	90	4100	3805	170	1,9	20,3	66,4	1,46	772	609	366	281
UN-09-17-4200	90	4200	3905	170	1,9	20,8	68,2	1,46	793	625	376	288
UN-09-17-4300	90	4300	4005	170	2,0	21,3	69,9	1,46	813	641	386	296
UN-09-17-4400	90	4400	4105	170	2,0	21,8	71,6	1,46	833	657	395	303
UN-09-17-4500	90	4500	4205	170	2,1	22,3	73,4	1,46	854	674	405	310
UN-09-17-4600	90	4600	4305	170	2,1	22,8	75,1	1,46	874	689	415	318
UN-09-17-4700	90	4700	4405	170	2,2	23,3	76,9	1,46	894	705	424	325
UN-09-17-4800	90	4800	4505	170	2,2	23,8	78,7	1,46	915	722	434	333

Zehnder Terraline

Model UN-09-21 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 – 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

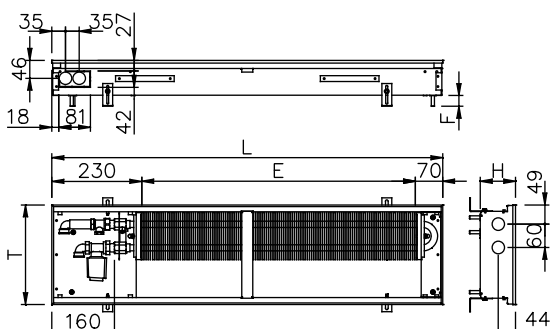
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-09-21-800	90	800	505	215	0,3	4,7	12,2	1,44	142	113	68	52
UN-09-21-900	90	900	605	215	0,3	5,3	14,7	1,44	171	135	82	63
UN-09-21-1000	90	1000	705	215	0,3	6,0	17,1	1,44	199	157	95	73
UN-09-21-1100	90	1100	805	215	0,4	6,6	19,5	1,44	227	180	109	84
UN-09-21-1200	90	1200	905	215	0,4	7,2	21,9	1,44	255	202	122	94
UN-09-21-1300	90	1300	1005	215	0,5	7,8	24,3	1,44	283	224	142	104
UN-09-21-1400	90	1400	1105	215	0,5	8,4	26,8	1,44	312	247	149	115
UN-09-21-1500	90	1500	1205	215	0,6	9,0	29,2	1,44	340	269	163	125
UN-09-21-1600	90	1600	1305	215	0,6	9,6	31,6	1,44	368	291	176	136
UN-09-21-1700	90	1700	1405	215	0,7	10,2	34,0	1,44	396	314	190	146
UN-09-21-1800	90	1800	1505	215	0,7	10,8	36,5	1,44	424	336	203	156
UN-09-21-1900	90	1900	1605	215	0,8	11,4	38,9	1,44	453	358	217	167
UN-09-21-2000	90	2000	1705	215	0,8	12,0	41,4	1,44	481	380	230	177
UN-09-21-2100	90	2100	1805	215	0,9	12,6	43,8	1,44	509	403	244	188
UN-09-21-2200	90	2200	1905	215	0,9	13,2	46,2	1,44	537	425	257	198
UN-09-21-2300	90	2300	2005	215	1,0	13,8	48,6	1,44	565	447	271	208
UN-09-21-2400	90	2400	2105	215	1,0	14,4	51,1	1,44	594	470	284	219
UN-09-21-2500	90	2500	2205	215	1,1	15,0	53,5	1,44	622	492	298	229
UN-09-21-2600	90	2600	2305	215	1,1	15,6	55,9	1,44	650	514	311	240
UN-09-21-2700	90	2700	2405	215	1,2	16,2	58,3	1,44	678	537	325	250
UN-09-21-2800	90	2800	2505	215	1,2	16,8	60,7	1,44	706	559	339	260
UN-09-21-2900	90	2900	2605	215	1,3	17,4	63,2	1,44	735	581	352	271
UN-09-21-3000	90	3000	2705	215	1,3	18,0	65,6	1,44	763	604	366	281
UN-09-21-3100	90	3100	2805	215	1,4	18,6	68,0	1,44	791	626	379	292
UN-09-21-3200	90	3200	2905	215	1,4	19,2	70,4	1,44	819	648	393	302
UN-09-21-3300	90	3300	3005	215	1,5	19,8	72,8	1,44	847	671	406	312
UN-09-21-3400	90	3400	3105	215	1,5	20,4	75,3	1,44	876	693	420	323
UN-09-21-3500	90	3500	3205	215	1,6	21,0	77,7	1,44	904	715	433	333
UN-09-21-3600	90	3600	3305	215	1,6	21,6	80,1	1,44	932	738	447	344
UN-09-21-3700	90	3700	3405	215	1,7	22,3	82,5	1,44	960	760	460	354
UN-09-21-3800	90	3800	3505	215	1,7	22,9	84,9	1,44	988	782	474	364
UN-09-21-3900	90	3900	3605	215	1,8	23,5	87,4	1,44	1017	804	487	375
UN-09-21-4000	90	4000	3705	215	1,8	24,1	89,8	1,44	1045	827	501	385
UN-09-21-4100	90	4100	3805	215	1,9	24,7	92,3	1,44	1073	849	514	395
UN-09-21-4200	90	4200	3905	215	1,9	25,3	94,7	1,44	1101	871	528	406
UN-09-21-4300	90	4300	4005	215	2,0	25,9	97,1	1,44	1129	894	541	416
UN-09-21-4400	90	4400	4105	215	2,0	26,5	99,5	1,44	1158	916	555	427
UN-09-21-4500	90	4500	4205	215	2,1	27,1	102,0	1,44	1186	938	568	437
UN-09-21-4600	90	4600	4305	215	2,1	27,7	104,4	1,44	1214	961	582	447
UN-09-21-4700	90	4700	4405	215	2,2	28,3	106,8	1,44	1242	983	595	458
UN-09-21-4800	90	4800	4505	215	2,2	28,9	109,2	1,44	1270	1005	609	468

Zehnder Terraline



Model UN-09-25 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 – 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Valves and actuators are not included as standard

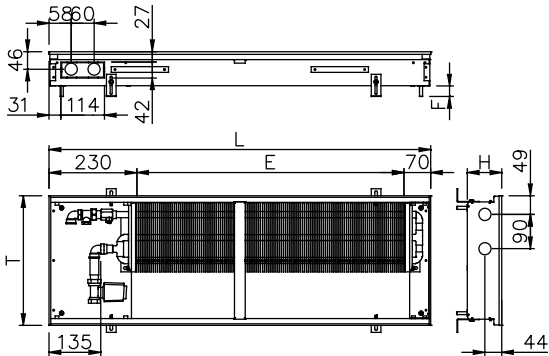
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp. n	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-09-25-800	90	800	505	255	0,3	5,3	15,6	1,37	181	145	90	70
UN-09-25-900	90	900	605	255	0,3	6,0	18,7	1,37	217	173	108	84
UN-09-25-1000	90	1000	705	255	0,3	6,6	21,7	1,37	252	202	125	98
UN-09-25-1100	90	1100	805	255	0,4	7,3	24,8	1,37	288	231	143	111
UN-09-25-1200	90	1200	905	255	0,4	8,0	27,9	1,37	324	259	161	125
UN-09-25-1300	90	1300	1005	255	0,5	8,7	31,0	1,37	360	288	179	139
UN-09-25-1400	90	1400	1105	255	0,5	9,3	34,0	1,37	396	317	196	153
UN-09-25-1500	90	1500	1205	255	0,6	10,0	37,1	1,37	431	345	214	167
UN-09-25-1600	90	1600	1305	255	0,6	10,7	40,2	1,37	467	374	232	181
UN-09-25-1700	90	1700	1405	255	0,7	11,4	43,2	1,37	503	403	250	195
UN-09-25-1800	90	1800	1505	255	0,7	12,0	46,3	1,37	539	431	268	208
UN-09-25-1900	90	1900	1605	255	0,8	12,7	49,4	1,37	575	460	285	222
UN-09-25-2000	90	2000	1705	255	0,8	13,4	52,4	1,37	610	489	303	236
UN-09-25-2100	90	2100	1805	255	0,9	14,1	55,5	1,37	646	517	321	250
UN-09-25-2200	90	2200	1905	255	0,9	14,7	58,6	1,37	682	546	339	264
UN-09-25-2300	90	2300	2005	255	1,0	15,4	61,7	1,37	718	575	357	278
UN-09-25-2400	90	2400	2105	255	1,0	16,1	64,8	1,37	754	603	374	292
UN-09-25-2500	90	2500	2205	255	1,1	16,7	67,8	1,37	789	632	392	305
UN-09-25-2600	90	2600	2305	255	1,1	17,4	70,9	1,37	825	660	410	319
UN-09-25-2700	90	2700	2405	255	1,2	18,1	74,0	1,37	861	689	428	333
UN-09-25-2800	90	2800	2505	255	1,2	18,8	77,1	1,37	897	718	445	347
UN-09-25-2900	90	2900	2605	255	1,3	19,4	80,2	1,37	933	746	463	361
UN-09-25-3000	90	3000	2705	255	1,3	20,1	83,2	1,37	968	775	481	375
UN-09-25-3100	90	3100	2805	255	1,4	20,8	86,3	1,37	1004	804	499	389
UN-09-25-3200	90	3200	2905	255	1,4	21,5	89,4	1,37	1040	832	517	402
UN-09-25-3300	90	3300	3005	255	1,5	22,1	92,5	1,37	1076	861	534	416
UN-09-25-3400	90	3400	3105	255	1,5	22,8	95,6	1,37	1112	890	552	430
UN-09-25-3500	90	3500	3205	255	1,6	23,5	98,6	1,37	1147	918	570	444
UN-09-25-3600	90	3600	3305	255	1,6	24,2	101,7	1,37	1183	947	588	458
UN-09-25-3700	90	3700	3405	255	1,7	24,8	104,8	1,37	1219	976	605	472
UN-09-25-3800	90	3800	3505	255	1,7	25,5	107,9	1,37	1255	1004	623	485
UN-09-25-3900	90	3900	3605	255	1,8	26,2	111,0	1,37	1291	1033	641	499
UN-09-25-4000	90	4000	3705	255	1,8	26,8	114,0	1,37	1326	1062	659	513
UN-09-25-4100	90	4100	3805	255	1,9	27,5	117,1	1,37	1362	1090	677	527
UN-09-25-4200	90	4200	3905	255	1,9	28,2	120,2	1,37	1398	1119	694	541
UN-09-25-4300	90	4300	4005	255	2,0	28,9	123,3	1,37	1434	1148	712	555
UN-09-25-4400	90	4400	4105	255	2,0	29,5	126,4	1,37	1470	1176	730	569
UN-09-25-4500	90	4500	4205	255	2,1	30,2	129,4	1,37	1505	1205	748	582
UN-09-25-4600	90	4600	4305	255	2,1	30,9	132,5	1,37	1541	1234	765	596
UN-09-25-4700	90	4700	4405	255	2,2	31,6	135,6	1,37	1577	1262	783	610
UN-09-25-4800	90	4800	4505	255	2,2	32,2	138,7	1,37	1613	1291	801	624

Zehnder Terraline

Model UN-09-34 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

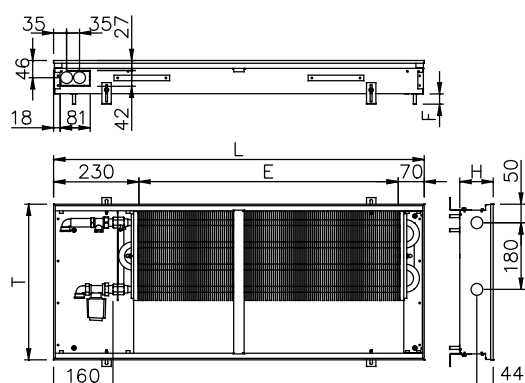
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-09-34-800	90	800	505	340	0,4	6,8	18,5	1,38	215	172	106	83
UN-09-34-900	90	900	605	340	0,5	7,7	22,2	1,38	258	206	127	99
UN-09-34-1000	90	1000	705	340	0,6	8,5	25,8	1,38	300	240	148	115
UN-09-34-1100	90	1100	805	340	0,7	9,4	29,5	1,38	343	274	169	132
UN-09-34-1200	90	1200	905	340	0,7	10,3	33,2	1,38	386	308	191	148
UN-09-34-1300	90	1300	1005	340	0,8	11,2	36,8	1,38	428	342	212	164
UN-09-34-1400	90	1400	1105	340	0,9	12,1	40,5	1,38	471	376	233	181
UN-09-34-1500	90	1500	1205	340	1,0	13,0	44,1	1,38	513	410	254	197
UN-09-34-1600	90	1600	1305	340	1,1	13,8	47,8	1,38	556	444	275	214
UN-09-34-1700	90	1700	1405	340	1,2	14,7	51,5	1,38	599	478	296	230
UN-09-34-1800	90	1800	1505	340	1,2	15,6	55,1	1,38	641	512	317	246
UN-09-34-1900	90	1900	1605	340	1,3	16,5	58,8	1,38	684	546	338	263
UN-09-34-2000	90	2000	1705	340	1,4	17,4	62,4	1,38	726	580	359	279
UN-09-34-2100	90	2100	1805	340	1,5	18,2	66,1	1,38	769	614	380	295
UN-09-34-2200	90	2200	1905	340	1,6	19,1	69,8	1,38	812	648	401	312
UN-09-34-2300	90	2300	2005	340	1,7	20,0	73,4	1,38	854	683	422	328
UN-09-34-2400	90	2400	2105	340	1,7	20,9	77,1	1,38	897	717	443	345
UN-09-34-2500	90	2500	2205	340	1,8	21,8	80,7	1,38	939	751	464	361
UN-09-34-2600	90	2600	2305	340	1,9	22,6	84,4	1,38	982	785	485	377
UN-09-34-2700	90	2700	2405	340	2,0	23,5	88,1	1,38	1025	819	506	394
UN-09-34-2800	90	2800	2505	340	2,1	24,4	91,7	1,38	1067	853	527	410
UN-09-34-2900	90	2900	2605	340	2,2	25,3	95,4	1,38	1110	887	548	426
UN-09-34-3000	90	3000	2705	340	2,2	26,2	99,0	1,38	1152	921	569	443
UN-09-34-3100	90	3100	2805	340	2,3	27,0	102,7	1,38	1195	955	590	459
UN-09-34-3200	90	3200	2905	340	2,4	27,9	106,4	1,38	1238	989	612	475
UN-09-34-3300	90	3300	3005	340	2,5	28,8	110,1	1,38	1280	1023	633	492
UN-09-34-3400	90	3400	3105	340	2,6	29,7	113,8	1,38	1323	1057	654	508
UN-09-34-3500	90	3500	3205	340	2,6	30,6	117,4	1,38	1365	1091	675	525
UN-09-34-3600	90	3600	3305	340	2,7	31,5	121,1	1,38	1408	1125	696	541
UN-09-34-3700	90	3700	3405	340	2,8	32,3	124,8	1,38	1451	1159	717	557
UN-09-34-3800	90	3800	3505	340	2,9	33,2	128,4	1,38	1493	1193	738	574
UN-09-34-3900	90	3900	3605	340	3,0	34,1	132,1	1,38	1536	1227	759	590
UN-09-34-4000	90	4000	3705	340	3,1	35,0	135,7	1,38	1578	1261	780	606
UN-09-34-4100	90	4100	3805	340	3,1	35,9	139,4	1,38	1621	1295	801	623
UN-09-34-4200	90	4200	3905	340	3,2	36,7	143,0	1,38	1664	1329	822	639
UN-09-34-4300	90	4300	4005	340	3,3	37,6	146,7	1,38	1706	1363	843	656
UN-09-34-4400	90	4400	4105	340	3,4	38,5	150,4	1,38	1749	1397	864	672
UN-09-34-4500	90	4500	4205	340	3,5	39,4	154,0	1,38	1791	1431	885	688
UN-09-34-4600	90	4600	4305	340	3,6	40,3	157,7	1,38	1834	1465	906	705
UN-09-34-4700	90	4700	4405	340	3,6	41,1	161,3	1,38	1877	1500	927	721
UN-09-34-4800	90	4800	4505	340	3,7	42,0	165,0	1,38	1919	1534	948	737

Model UN-09-42 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

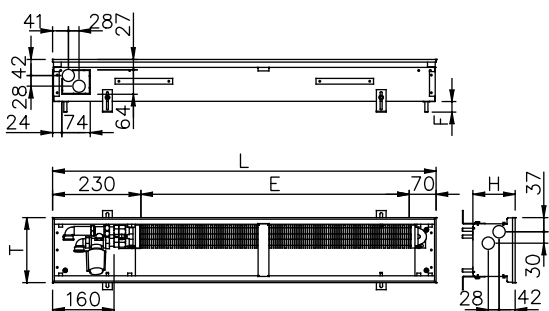
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-09-42-800	90	800	505	420	0,5	8,2	21,6	1,38	251	201	124	96
UN-09-42-900	90	800	605	420	0,6	8,2	25,9	1,38	301	240	149	116
UN-09-42-1000	90	1000	705	420	0,7	10,3	30,1	1,38	350	280	173	135
UN-09-42-1100	90	1100	805	420	0,8	11,4	34,4	1,38	400	320	198	154
UN-09-42-1200	90	1200	905	420	0,9	12,5	38,7	1,38	450	359	222	173
UN-09-42-1300	90	1300	1005	420	1,0	13,5	42,9	1,38	499	399	247	192
UN-09-42-1400	90	1400	1105	420	1,1	14,6	47,2	1,38	549	439	271	211
UN-09-42-1500	90	1500	1205	420	1,2	15,7	51,5	1,38	599	479	296	230
UN-09-42-1600	90	1600	1305	420	1,3	16,8	55,8	1,38	649	518	320	249
UN-09-42-1700	90	1700	1405	420	1,4	17,8	60,0	1,38	698	558	345	268
UN-09-42-1800	90	1800	1505	420	1,5	18,9	64,3	1,38	748	598	370	287
UN-09-42-1900	90	1900	1605	420	1,6	20,0	68,6	1,38	798	637	394	306
UN-09-42-2000	90	2000	1705	420	1,7	21,1	72,8	1,38	847	677	419	326
UN-09-42-2100	90	2100	1805	420	1,8	22,1	77,1	1,38	897	717	443	345
UN-09-42-2200	90	2200	1905	420	1,9	23,2	81,4	1,38	947	757	468	364
UN-09-42-2300	90	2300	2005	420	2,0	24,3	85,6	1,38	996	796	492	383
UN-09-42-2400	90	2400	2105	420	2,1	25,4	89,9	1,38	1046	836	517	402
UN-09-42-2500	90	2500	2205	420	2,2	26,5	94,2	1,38	1096	876	542	421
UN-09-42-2600	90	2600	2305	420	2,3	27,5	98,5	1,38	1146	915	566	440
UN-09-42-2700	90	2700	2405	420	2,4	28,6	102,7	1,38	1195	955	591	459
UN-09-42-2800	90	2800	2505	420	2,5	29,7	107,0	1,38	1245	995	615	478
UN-09-42-2900	90	2900	2605	420	2,6	30,8	111,3	1,38	1295	1035	640	497
UN-09-42-3000	90	3000	2705	420	2,7	31,8	115,6	1,38	1344	1074	664	517
UN-09-42-3100	90	3100	2805	420	2,8	32,9	119,9	1,38	1394	1114	689	536
UN-09-42-3200	90	3200	2905	420	2,9	34,0	124,2	1,38	1444	1154	713	555
UN-09-42-3300	90	3300	3005	420	3,0	35,1	128,4	1,38	1493	1193	738	574
UN-09-42-3400	90	3400	3105	420	3,1	36,1	132,7	1,38	1543	1233	763	593
UN-09-42-3500	90	3500	3205	420	3,2	37,2	137,0	1,38	1593	1273	787	612
UN-09-42-3600	90	3600	3305	420	3,3	38,3	141,3	1,38	1643	1313	812	631
UN-09-42-3700	90	3700	3405	420	3,4	39,4	145,5	1,38	1692	1352	836	650
UN-09-42-3800	90	3800	3505	420	3,5	40,4	149,8	1,38	1742	1392	861	669
UN-09-42-3900	90	3900	3605	420	3,6	41,5	154,1	1,38	1792	1432	885	688
UN-09-42-4000	90	4000	3705	420	3,7	42,6	158,3	1,38	1841	1471	910	707
UN-09-42-4100	90	4100	3805	420	3,8	43,7	162,6	1,38	1891	1511	934	727
UN-09-42-4200	90	4200	3905	420	3,9	44,7	166,9	1,38	1941	1551	959	746
UN-09-42-4300	90	4300	4005	420	4,0	45,8	171,1	1,38	1990	1591	984	765
UN-09-42-4400	90	4400	4105	420	4,1	46,9	175,4	1,38	2040	1630	1008	784
UN-09-42-4500	90	4500	4205	420	4,2	48,0	179,7	1,38	2090	1670	1033	803
UN-09-42-4600	90	4600	4305	420	4,3	49,0	184,0	1,38	2140	1710	1057	822
UN-09-42-4700	90	4700	4405	420	4,4	50,1	188,2	1,38	2189	1749	1082	841
UN-09-42-4800	90	4800	4505	420	4,5	51,2	192,5	1,38	2239	1789	1106	860

Zehnder Terraline

Model UN-11-17 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

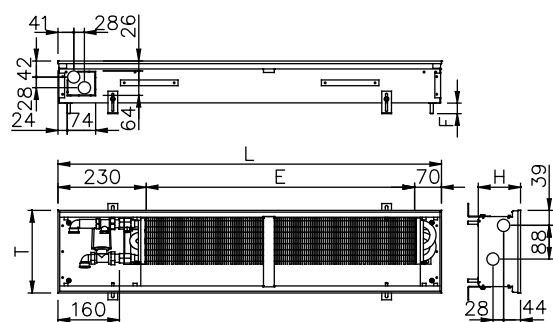
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-11-17-800	110	800	505	170	0,3	4,2	10,7	1,47	124	98	59	45
UN-11-17-900	110	900	605	170	0,3	4,8	12,8	1,47	149	117	70	54
UN-11-17-1000	110	1000	705	170	0,3	5,3	14,9	1,47	173	137	82	63
UN-11-17-1100	110	1100	805	170	0,4	5,9	17,0	1,47	198	156	93	71
UN-11-17-1200	110	1200	905	170	0,4	6,4	19,2	1,47	223	175	105	80
UN-11-17-1300	110	1300	1005	170	0,5	6,9	21,2	1,47	247	195	117	89
UN-11-17-1400	110	1400	1105	170	0,5	7,5	23,4	1,47	272	214	136	98
UN-11-17-1500	110	1500	1205	170	0,6	8,0	25,5	1,47	296	233	140	107
UN-11-17-1600	110	1600	1305	170	0,6	8,5	27,6	1,47	321	253	152	116
UN-11-17-1700	110	1700	1405	170	0,7	9,1	29,7	1,47	346	272	163	125
UN-11-17-1800	110	1800	1505	170	0,7	9,6	31,8	1,47	370	292	175	134
UN-11-17-1900	110	1900	1605	170	0,8	10,2	34,0	1,47	395	311	186	143
UN-11-17-2000	110	2000	1705	170	0,8	10,7	36,0	1,47	419	330	198	151
UN-11-17-2100	110	2100	1805	170	0,9	11,2	38,2	1,47	444	350	210	160
UN-11-17-2200	110	2200	1905	170	0,9	11,8	40,3	1,47	469	369	221	169
UN-11-17-2300	110	2300	2005	170	1,0	12,3	42,4	1,47	493	388	233	178
UN-11-17-2400	110	2400	2105	170	1,0	12,8	44,5	1,47	518	408	244	187
UN-11-17-2500	110	2500	2205	170	1,1	13,4	46,6	1,47	542	427	256	196
UN-11-17-2600	110	2600	2305	170	1,1	13,9	48,8	1,47	567	447	268	205
UN-11-17-2700	110	2700	2405	170	1,2	14,4	50,9	1,47	592	466	279	214
UN-11-17-2800	110	2800	2505	170	1,2	15,0	53,0	1,47	616	485	291	222
UN-11-17-2900	110	2900	2605	170	1,3	15,5	55,1	1,47	641	505	302	231
UN-11-17-3000	110	3000	2705	170	1,3	16,1	57,2	1,47	665	524	314	240
UN-11-17-3100	110	3100	2805	170	1,4	16,6	59,3	1,47	690	543	326	249
UN-11-17-3200	110	3200	2905	170	1,4	17,1	61,5	1,47	715	563	337	258
UN-11-17-3300	110	3300	3005	170	1,5	17,7	63,5	1,46	739	582	349	267
UN-11-17-3400	110	3400	3105	170	1,5	18,2	65,7	1,46	764	602	360	276
UN-11-17-3500	110	3500	3205	170	1,6	18,7	67,8	1,46	788	621	372	285
UN-11-17-3600	110	3600	3305	170	1,6	19,3	69,9	1,46	813	640	384	293
UN-11-17-3700	110	3700	3405	170	1,7	19,8	72,1	1,46	838	660	395	302
UN-11-17-3800	110	3800	3505	170	1,7	20,4	74,1	1,47	862	679	407	311
UN-11-17-3900	110	3900	3605	170	1,8	20,9	76,3	1,47	887	698	419	320
UN-11-17-4000	110	4000	3705	170	1,8	21,4	78,3	1,47	911	718	430	329
UN-11-17-4100	110	4100	3805	170	1,9	22,0	80,5	1,47	936	737	442	338
UN-11-17-4200	110	4200	3905	170	1,9	22,5	82,6	1,47	961	756	453	347
UN-11-17-4300	110	4300	4005	170	2,0	23,0	84,7	1,47	985	776	465	356
UN-11-17-4400	110	4400	4105	170	2,0	23,6	86,8	1,47	1010	795	477	365
UN-11-17-4500	110	4500	4205	170	2,1	24,1	88,9	1,47	1034	815	488	373
UN-11-17-4600	110	4600	4305	170	2,1	24,7	91,1	1,47	1059	834	500	382
UN-11-17-4700	110	4700	4405	170	2,2	25,2	93,2	1,47	1084	853	511	391
UN-11-17-4800	110	4800	4505	170	2,2	25,7	95,3	1,47	1108	873	523	400

Zehnder Terraline



Model UN-11-21 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

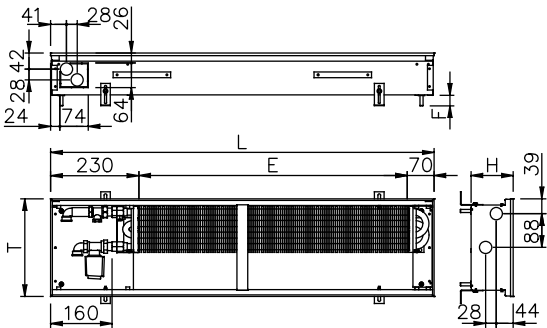
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille												
Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T 50$ K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-11-21-800	110	800	505	215	0,5	5,4	13,4	1,55	156	121	71	53
UN-11-21-900	110	900	605	215	0,6	6,2	16,1	1,55	187	145	85	64
UN-11-21-1000	110	1000	705	215	0,7	6,9	18,7	1,55	218	169	99	74
UN-11-21-1100	110	1100	805	215	0,8	7,6	21,4	1,55	249	193	113	85
UN-11-21-1200	110	1200	905	215	0,9	8,3	24,1	1,55	280	217	127	96
UN-11-21-1300	110	1300	1005	215	1,0	9,1	26,7	1,55	311	241	141	106
UN-11-21-1400	110	1400	1105	215	1,1	9,8	29,3	1,55	341	265	155	117
UN-11-21-1500	110	1500	1205	215	1,2	10,5	32,0	1,55	372	289	169	127
UN-11-21-1600	110	1600	1305	215	1,3	11,2	34,7	1,55	403	313	183	138
UN-11-21-1700	110	1700	1405	215	1,4	12,0	37,3	1,55	434	337	197	148
UN-11-21-1800	110	1800	1505	215	1,5	12,7	40,0	1,55	465	361	211	159
UN-11-21-1900	110	1900	1605	215	1,6	13,4	42,6	1,55	496	386	225	169
UN-11-21-2000	110	2000	1705	215	1,7	14,1	45,3	1,55	527	410	239	180
UN-11-21-2100	110	2100	1805	215	1,8	14,9	48,0	1,55	558	434	253	190
UN-11-21-2200	110	2200	1905	215	1,9	15,6	50,6	1,55	589	458	267	201
UN-11-21-2300	110	2300	2005	215	2,0	16,3	53,3	1,55	620	482	281	212
UN-11-21-2400	110	2400	2105	215	2,1	17,0	55,9	1,55	650	506	295	222
UN-11-21-2500	110	2500	2205	215	2,2	17,7	58,6	1,55	681	530	309	233
UN-11-21-2600	110	2600	2305	215	2,3	18,5	61,2	1,55	712	554	323	243
UN-11-21-2700	110	2700	2405	215	2,4	19,2	63,9	1,55	743	578	337	254
UN-11-21-2800	110	2800	2505	215	2,5	19,9	66,5	1,55	774	602	351	264
UN-11-21-2900	110	2900	2605	215	2,6	20,6	69,2	1,55	805	626	365	275
UN-11-21-3000	110	3000	2705	215	2,7	21,4	71,9	1,55	836	650	379	285
UN-11-21-3100	110	3100	2805	215	2,8	22,1	74,5	1,55	867	674	393	296
UN-11-21-3200	110	3200	2905	215	2,9	22,8	77,2	1,55	898	698	407	307
UN-11-21-3300	110	3300	3005	215	3,0	23,5	79,9	1,55	929	722	421	317
UN-11-21-3400	110	3400	3105	215	3,1	24,3	82,5	1,55	959	746	435	328
UN-11-21-3500	110	3500	3205	215	3,2	25,0	85,1	1,55	990	770	449	338
UN-11-21-3600	110	3600	3305	215	3,3	25,7	87,8	1,55	1021	794	463	349
UN-11-21-3700	110	3700	3405	215	3,4	26,4	90,5	1,55	1052	818	477	359
UN-11-21-3800	110	3800	3505	215	3,5	27,2	93,1	1,55	1083	842	491	370
UN-11-21-3900	110	3900	3605	215	3,6	27,9	95,8	1,55	1114	866	505	380
UN-11-21-4000	110	4000	3705	215	3,7	28,6	98,4	1,55	1145	890	519	391
UN-11-21-4100	110	4100	3805	215	3,8	29,3	101,1	1,55	1176	914	533	402
UN-11-21-4200	110	4200	3905	215	3,9	30,1	103,7	1,55	1207	938	547	412
UN-11-21-4300	110	4300	4005	215	4,0	30,8	106,4	1,55	1238	962	561	423
UN-11-21-4400	110	4400	4105	215	4,1	31,5	109,1	1,55	1268	986	575	433
UN-11-21-4500	110	4500	4205	215	4,2	32,2	111,7	1,55	1299	1010	589	444
UN-11-21-4600	110	4600	4305	215	4,3	33,0	114,4	1,55	1330	1034	603	454
UN-11-21-4700	110	4700	4405	215	4,4	33,7	117,0	1,55	1361	1058	617	465
UN-11-21-4800	110	4800	4505	215	4,5	34,4	119,7	1,55	1392	1082	631	475

Zehnder Terraline



Model UN-11-25 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_s = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

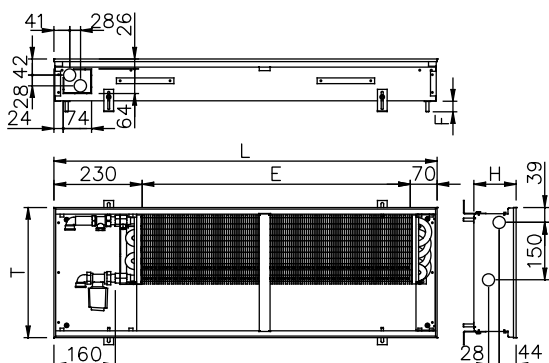
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_s = \Delta T 50 K$	Φ	Φ	Φ
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	70/55/20 °C	55/45/20 °C	50/40/20 °C
										Watts	Watts	Watts
UN-11-25-800	110	800	505	255	0,5	5,9	18,2	1,46	212	167	100	77
UN-11-25-900	110	900	605	255	0,6	6,7	21,8	1,46	253	200	120	92
UN-11-25-1000	110	1000	705	255	0,7	7,5	25,4	1,46	295	233	140	107
UN-11-25-1100	110	1100	805	255	0,8	8,3	29,0	1,46	337	266	160	123
UN-11-25-1200	110	1200	905	255	0,9	9,1	32,6	1,46	379	299	180	138
UN-11-25-1300	110	1300	1005	255	1,0	9,8	36,2	1,46	421	332	200	153
UN-11-25-1400	110	1400	1105	255	1,1	10,6	39,8	1,46	463	365	220	168
UN-11-25-1500	110	1500	1205	255	1,2	11,4	43,4	1,46	505	398	239	184
UN-11-25-1600	110	1600	1305	255	1,3	12,2	47,0	1,46	547	431	259	199
UN-11-25-1700	110	1700	1405	255	1,4	13,0	50,6	1,46	589	464	279	214
UN-11-25-1800	110	1800	1505	255	1,5	13,8	54,3	1,46	631	497	299	229
UN-11-25-1900	110	1900	1605	255	1,6	14,6	57,8	1,46	672	530	319	244
UN-11-25-2000	110	2000	1705	255	1,7	15,3	61,4	1,46	714	563	339	260
UN-11-25-2100	110	2100	1805	255	1,8	16,1	65,0	1,46	756	597	359	275
UN-11-25-2200	110	2200	1905	255	1,9	16,9	68,6	1,46	798	630	379	290
UN-11-25-2300	110	2300	2005	255	2,0	17,7	72,2	1,46	840	663	399	305
UN-11-25-2400	110	2400	2105	255	2,1	18,5	75,8	1,46	882	696	418	321
UN-11-25-2500	110	2500	2205	255	2,2	19,3	79,4	1,46	924	729	438	336
UN-11-25-2600	110	2600	2305	255	2,3	20,1	83,1	1,46	966	762	458	351
UN-11-25-2700	110	2700	2405	255	2,4	20,8	86,7	1,46	1008	795	478	366
UN-11-25-2800	110	2800	2505	255	2,5	21,6	90,3	1,46	1050	828	498	382
UN-11-25-2900	110	2900	2605	255	2,6	22,4	93,8	1,46	1091	861	518	397
UN-11-25-3000	110	3000	2705	255	2,7	23,2	97,4	1,46	1133	894	538	412
UN-11-25-3100	110	3100	2805	255	2,8	24,0	101,0	1,46	1175	927	558	427
UN-11-25-3200	110	3200	2905	255	2,9	24,8	104,6	1,46	1217	960	577	442
UN-11-25-3300	110	3300	3005	255	3,0	25,6	108,2	1,46	1259	993	597	458
UN-11-25-3400	110	3400	3105	255	3,1	26,3	111,9	1,46	1301	1026	617	473
UN-11-25-3500	110	3500	3205	255	3,2	27,1	115,5	1,46	1343	1059	637	488
UN-11-25-3600	110	3600	3305	255	3,3	27,9	119,1	1,46	1385	1092	657	503
UN-11-25-3700	110	3700	3405	255	3,4	28,7	122,7	1,46	1427	1125	677	519
UN-11-25-3800	110	3800	3505	255	3,5	29,5	126,3	1,46	1469	1158	697	534
UN-11-25-3900	110	3900	3605	255	3,6	30,3	129,8	1,46	1510	1191	717	549
UN-11-25-4000	110	4000	3705	255	3,7	31,1	133,4	1,46	1552	1224	736	564
UN-11-25-4100	110	4100	3805	255	3,8	31,8	137,1	1,46	1594	1258	756	580
UN-11-25-4200	110	4200	3905	255	3,9	32,6	140,7	1,46	1636	1291	776	595
UN-11-25-4300	110	4300	4005	255	4,0	33,4	144,3	1,46	1678	1324	796	610
UN-11-25-4400	110	4400	4105	255	4,1	34,2	147,9	1,46	1720	1357	816	625
UN-11-25-4500	110	4500	4205	255	4,2	35,0	151,5	1,46	1762	1390	836	640
UN-11-25-4600	110	4600	4305	255	4,3	35,8	155,1	1,46	1804	1423	856	656
UN-11-25-4700	110	4700	4405	255	4,4	36,6	158,7	1,46	1846	1456	876	671
UN-11-25-4800	110	4800	4505	255	4,5	37,3	162,3	1,46	1888	1489	895	686

Zehnder Terraline



Model UN-11-34 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

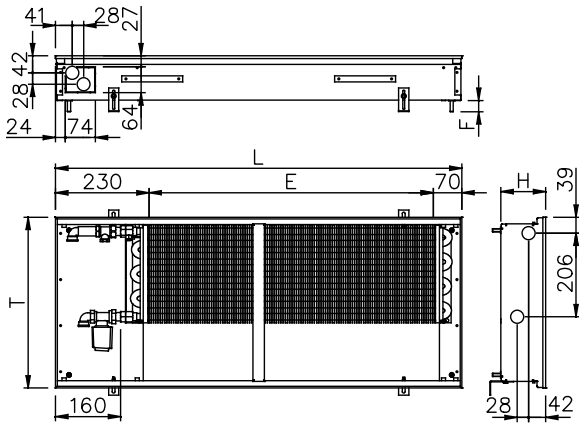
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-11-34-800	110	800	505	340	0,8	7,7	23,5	1,40	273	217	133	103
UN-11-34-900	110	900	605	340	0,9	8,8	28,1	1,40	327	260	160	124
UN-11-34-1000	110	1000	705	340	1,0	9,8	32,8	1,40	381	303	186	144
UN-11-34-1100	110	1100	805	340	1,1	10,9	37,4	1,40	435	346	213	165
UN-11-34-1200	110	1200	905	340	1,2	11,9	42,0	1,40	489	389	239	185
UN-11-34-1300	110	1300	1005	340	1,3	13,0	46,7	1,40	543	432	265	206
UN-11-34-1400	110	1400	1105	340	1,4	14,0	51,3	1,40	597	475	292	226
UN-11-34-1500	110	1500	1205	340	1,5	15,1	56,0	1,40	651	518	318	247
UN-11-34-1600	110	1600	1305	340	1,6	16,1	60,6	1,40	705	561	345	267
UN-11-34-1700	110	1700	1405	340	1,7	17,2	65,3	1,40	759	604	371	287
UN-11-34-1800	110	1800	1505	340	1,8	18,2	69,9	1,40	813	647	398	308
UN-11-34-1900	110	1900	1605	340	1,9	19,3	74,5	1,40	867	690	424	328
UN-11-34-2000	110	2000	1705	340	2,0	20,3	79,2	1,40	921	733	450	349
UN-11-34-2100	110	2100	1805	340	2,1	21,4	83,8	1,40	975	776	477	369
UN-11-34-2200	110	2200	1905	340	2,2	22,4	88,5	1,40	1029	819	503	390
UN-11-34-2300	110	2300	2005	340	2,3	23,5	93,1	1,40	1083	862	530	410
UN-11-34-2400	110	2400	2105	340	2,4	24,6	97,8	1,40	1137	905	556	431
UN-11-34-2500	110	2500	2205	340	2,5	25,6	102,4	1,40	1191	948	582	451
UN-11-34-2600	110	2600	2305	340	2,6	26,7	107,0	1,40	1245	991	609	472
UN-11-34-2700	110	2700	2405	340	2,7	27,7	111,7	1,40	1299	1034	635	492
UN-11-34-2800	110	2800	2505	340	2,8	28,8	116,3	1,40	1353	1077	662	513
UN-11-34-2900	110	2900	2605	340	2,9	29,8	121,0	1,40	1407	1120	688	533
UN-11-34-3000	110	3000	2705	340	3,0	30,9	125,6	1,40	1461	1163	714	554
UN-11-34-3100	110	3100	2805	340	3,1	31,9	130,3	1,40	1515	1206	741	574
UN-11-34-3200	110	3200	2905	340	3,2	33,0	134,9	1,40	1569	1249	767	594
UN-11-34-3300	110	3300	3005	340	3,3	34,0	139,5	1,40	1623	1292	794	615
UN-11-34-3400	110	3400	3105	340	3,4	35,1	144,2	1,40	1677	1335	820	635
UN-11-34-3500	110	3500	3205	340	3,5	36,1	148,8	1,40	1731	1379	847	656
UN-11-34-3600	110	3600	3305	340	3,6	37,2	153,5	1,40	1785	1422	873	676
UN-11-34-3700	110	3700	3405	340	3,7	38,2	158,1	1,40	1839	1465	899	697
UN-11-34-3800	110	3800	3505	340	3,8	39,3	162,8	1,40	1893	1508	926	717
UN-11-34-3900	110	3900	3605	340	3,9	40,3	167,4	1,40	1947	1551	952	738
UN-11-34-4000	110	4000	3705	340	4,0	41,4	172,0	1,40	2001	1594	979	758
UN-11-34-4100	110	4100	3805	340	4,1	42,4	176,7	1,40	2055	1637	1005	779
UN-11-34-4200	110	4200	3905	340	4,2	43,5	181,3	1,40	2109	1680	1031	799
UN-11-34-4300	110	4300	4005	340	4,3	44,5	185,9	1,40	2163	1723	1058	820
UN-11-34-4400	110	4400	4105	340	4,4	45,6	190,6	1,40	2217	1766	1084	840
UN-11-34-4500	110	4500	4205	340	4,5	46,6	195,2	1,40	2271	1809	1111	860
UN-11-34-4600	110	4600	4305	340	4,6	47,7	199,9	1,40	2325	1852	1137	881
UN-11-34-4700	110	4700	4405	340	4,7	48,7	204,5	1,40	2379	1895	1163	901
UN-11-34-4800	110	4800	4505	340	4,8	49,8	209,2	1,40	2433	1938	1190	922

Zehnder Terraline

Model UN-11-42 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

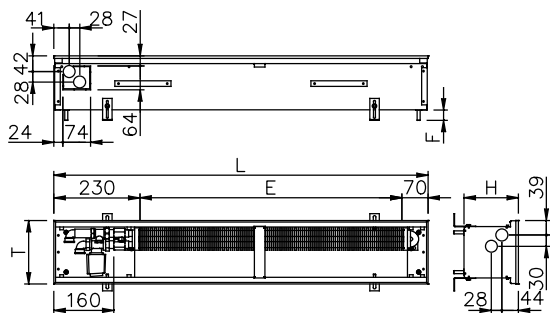
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-11-42-800	110	800	505	420	1,0	9,3	26,1	1,40	304	242	148	115
UN-11-42-900	110	900	605	420	1,2	10,6	31,3	1,40	364	290	178	138
UN-11-42-1000	110	1000	705	420	1,4	11,9	36,5	1,40	424	337	207	161
UN-11-42-1100	110	1100	805	420	1,6	13,2	41,6	1,40	484	385	237	183
UN-11-42-1200	110	1200	905	420	1,8	14,5	46,8	1,40	544	433	266	206
UN-11-42-1300	110	1300	1005	420	2,0	15,8	51,9	1,40	604	481	295	229
UN-11-42-1400	110	1400	1105	420	2,2	17,1	57,1	1,40	664	529	325	252
UN-11-42-1500	110	1500	1205	420	2,4	18,4	62,2	1,40	724	577	354	274
UN-11-42-1600	110	1600	1305	420	2,6	19,7	67,4	1,40	784	625	384	297
UN-11-42-1700	110	1700	1405	420	2,8	21,0	72,6	1,40	844	673	413	320
UN-11-42-1800	110	1800	1505	420	3,0	22,2	77,8	1,40	905	720	442	343
UN-11-42-1900	110	1900	1605	420	3,2	23,5	83,0	1,40	965	768	472	366
UN-11-42-2000	110	2000	1705	420	3,4	24,8	88,1	1,40	1025	816	501	388
UN-11-42-2100	110	2100	1805	420	3,6	26,1	93,3	1,40	1085	864	531	411
UN-11-42-2200	110	2200	1905	420	3,8	27,4	98,4	1,40	1145	912	560	434
UN-11-42-2300	110	2300	2005	420	4,0	28,7	103,6	1,40	1205	960	589	457
UN-11-42-2400	110	2400	2105	420	4,2	30,0	108,8	1,40	1265	1008	619	479
UN-11-42-2500	110	2500	2205	420	4,4	31,3	113,9	1,40	1325	1056	648	502
UN-11-42-2600	110	2600	2305	420	4,6	32,6	119,1	1,40	1385	1103	678	525
UN-11-42-2700	110	2700	2405	420	4,8	33,9	124,2	1,40	1445	1151	707	548
UN-11-42-2800	110	2800	2505	420	5,0	35,2	129,5	1,40	1506	1199	736	570
UN-11-42-2900	110	2900	2605	420	5,2	36,4	134,6	1,40	1566	1247	766	593
UN-11-42-3000	110	3000	2705	420	5,4	37,7	139,8	1,40	1626	1295	795	616
UN-11-42-3100	110	3100	2805	420	5,6	39,0	145,0	1,40	1686	1343	825	639
UN-11-42-3200	110	3200	2905	420	5,8	40,3	150,1	1,40	1746	1391	854	662
UN-11-42-3300	110	3300	3005	420	6,0	41,6	155,3	1,40	1806	1438	883	684
UN-11-42-3400	110	3400	3105	420	6,2	42,9	160,4	1,40	1866	1486	913	707
UN-11-42-3500	110	3500	3205	420	6,4	44,2	165,6	1,40	1926	1534	942	730
UN-11-42-3600	110	3600	3305	420	6,6	45,5	170,8	1,40	1986	1582	972	753
UN-11-42-3700	110	3700	3405	420	6,8	46,8	175,9	1,40	2046	1630	1001	775
UN-11-42-3800	110	3800	3505	420	7,0	48,1	181,2	1,40	2107	1678	1030	798
UN-11-42-3900	110	3900	3605	420	7,2	49,4	186,3	1,40	2167	1726	1060	821
UN-11-42-4000	110	4000	3705	420	7,4	50,7	191,5	1,40	2227	1774	1089	844
UN-11-42-4100	110	4100	3805	420	7,6	51,9	196,6	1,40	2287	1821	1119	867
UN-11-42-4200	110	4200	3905	420	7,8	53,2	201,8	1,40	2347	1869	1148	889
UN-11-42-4300	110	4300	4005	420	8,0	54,5	207,0	1,40	2407	1917	1177	912
UN-11-42-4400	110	4400	4105	420	8,2	55,8	212,1	1,40	2467	1965	1207	935
UN-11-42-4500	110	4500	4205	420	8,4	57,1	217,3	1,40	2527	2013	1236	958
UN-11-42-4600	110	4600	4305	420	8,6	58,4	222,5	1,40	2587	2061	1265	980
UN-11-42-4700	110	4700	4405	420	8,8	59,7	227,6	1,40	2647	2109	1295	1003
UN-11-42-4800	110	4800	4505	420	9,0	61,0	232,8	1,40	2708	2157	1324	1026

Model UN-14-17 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

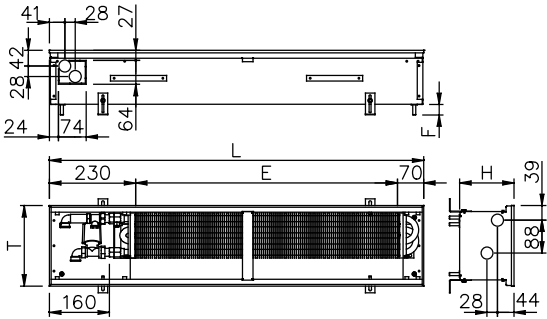
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-14-17-800	145	800	505	170	0,3	4,6	10,9	1,49	127	99	59	45
UN-14-17-900	145	900	605	170	0,3	5,2	13,1	1,49	152	119	71	54
UN-14-17-1000	145	1000	705	170	0,3	5,8	15,2	1,49	177	139	83	63
UN-14-17-1100	145	1100	805	170	0,4	6,4	17,4	1,49	202	159	94	72
UN-14-17-1200	145	1200	905	170	0,4	7,0	19,5	1,49	227	178	106	81
UN-14-17-1300	145	1300	1005	170	0,5	7,5	21,7	1,44	252	198	118	90
UN-14-17-1400	145	1400	1105	170	0,5	8,1	23,8	1,44	277	218	130	99
UN-14-17-1500	145	1500	1205	170	0,6	8,7	26,0	1,44	302	237	141	108
UN-14-17-1600	145	1600	1305	170	0,6	9,3	28,2	1,44	328	257	153	117
UN-14-17-1700	145	1700	1405	170	0,7	9,9	30,4	1,44	353	277	165	126
UN-14-17-1800	145	1800	1505	170	0,7	10,5	32,5	1,49	378	297	176	134
UN-14-17-1900	145	1900	1605	170	0,8	11,1	34,7	1,49	403	316	188	143
UN-14-17-2000	145	2000	1705	170	0,8	11,6	36,8	1,49	428	336	200	152
UN-14-17-2100	145	2100	1805	170	0,9	12,2	38,9	1,49	453	356	212	161
UN-14-17-2200	145	2200	1905	170	0,9	12,8	41,1	1,49	478	375	223	170
UN-14-17-2300	145	2300	2005	170	1,0	13,4	43,2	1,49	503	395	235	179
UN-14-17-2400	145	2400	2105	170	1,0	14,0	45,4	1,49	528	415	247	188
UN-14-17-2500	145	2500	2205	170	1,1	14,6	47,5	1,49	553	434	259	197
UN-14-17-2600	145	2600	2305	170	1,1	15,2	49,8	1,49	579	454	270	206
UN-14-17-2700	145	2700	2405	170	1,2	15,7	51,9	1,49	604	474	282	215
UN-14-17-2800	145	2800	2505	170	1,2	16,3	54,1	1,49	629	494	294	224
UN-14-17-2900	145	2900	2605	170	1,3	16,9	56,2	1,49	654	513	305	233
UN-14-17-3000	145	3000	2705	170	1,3	17,5	58,4	1,49	679	533	317	242
UN-14-17-3100	145	3100	2805	170	1,4	18,1	60,5	1,49	704	553	329	251
UN-14-17-3200	145	3200	2905	170	1,4	18,7	62,7	1,49	729	572	341	260
UN-14-17-3300	145	3300	3005	170	1,5	19,3	64,8	1,49	754	592	352	269
UN-14-17-3400	145	3400	3105	170	1,5	19,8	67,0	1,49	779	612	364	277
UN-14-17-3500	145	3500	3205	170	1,6	20,4	69,1	1,49	804	631	376	286
UN-14-17-3600	145	3600	3305	170	1,6	21,0	71,4	1,49	830	651	388	295
UN-14-17-3700	145	3700	3405	170	1,7	21,6	73,5	1,49	855	671	399	304
UN-14-17-3800	145	3800	3505	170	1,7	22,2	75,7	1,49	880	691	411	313
UN-14-17-3900	145	3900	3605	170	1,8	22,8	77,8	1,49	905	710	423	322
UN-14-17-4000	145	4000	3705	170	1,8	23,3	80,0	1,49	930	730	434	331
UN-14-17-4100	145	4100	3805	170	1,9	23,9	82,1	1,49	955	750	446	340
UN-14-17-4200	145	4200	3905	170	1,9	24,5	84,3	1,49	980	769	458	349
UN-14-17-4300	145	4300	4005	170	2,0	25,1	86,4	1,49	1005	789	470	358
UN-14-17-4400	145	4400	4105	170	2,0	25,7	88,6	1,49	1030	809	481	367
UN-14-17-4500	145	4500	4205	170	2,1	26,3	90,7	1,49	1055	828	493	376
UN-14-17-4600	145	4600	4305	170	2,1	26,9	92,9	1,49	1081	848	505	385
UN-14-17-4700	145	4700	4405	170	2,2	27,4	95,1	1,49	1106	868	516	394
UN-14-17-4800	145	4800	4505	170	2,2	28,0	97,2	1,49	1131	888	528	403

Zehnder Terraline



Model UN-14-21 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

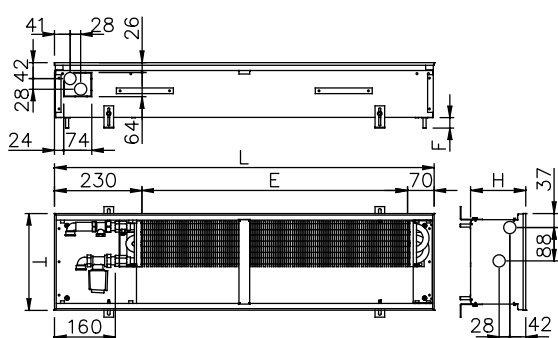
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-14-21-800	145	800	505	215	0,5	5,8	14,2	1,50	165	129	77	58
UN-14-21-900	145	900	605	215	0,6	6,6	17,0	1,50	198	155	92	70
UN-14-21-1000	145	1000	705	215	0,7	7,4	19,9	1,50	231	181	107	82
UN-14-21-1100	145	1100	805	215	0,8	8,2	22,6	1,50	263	206	122	93
UN-14-21-1200	145	1200	905	215	0,9	9,0	25,5	1,50	296	232	138	105
UN-14-21-1300	145	1300	1005	215	1,0	9,7	28,3	1,50	329	258	153	116
UN-14-21-1400	145	1400	1105	215	1,1	10,5	31,0	1,50	361	283	168	128
UN-14-21-1500	145	1500	1205	215	1,2	11,3	33,9	1,50	394	309	183	139
UN-14-21-1600	145	1600	1305	215	1,3	12,1	36,7	1,50	427	334	198	151
UN-14-21-1700	145	1700	1405	215	1,4	12,8	39,5	1,50	459	360	214	162
UN-14-21-1800	145	1800	1505	215	1,5	13,6	42,3	1,50	492	386	229	174
UN-14-21-1900	145	1900	1605	215	1,6	14,4	45,1	1,50	525	411	244	186
UN-14-21-2000	145	2000	1705	215	1,7	15,2	48,0	1,50	558	437	259	197
UN-14-21-2100	145	2100	1805	215	1,8	15,9	50,7	1,50	590	463	274	209
UN-14-21-2200	145	2200	1905	215	1,9	16,7	53,6	1,50	623	488	290	220
UN-14-21-2300	145	2300	2005	215	2,0	17,5	56,4	1,50	656	514	305	232
UN-14-21-2400	145	2400	2105	215	2,1	18,3	59,2	1,50	688	539	320	243
UN-14-21-2500	145	2500	2205	215	2,2	19,1	62,0	1,50	721	565	335	255
UN-14-21-2600	145	2600	2305	215	2,3	19,8	64,8	1,50	754	591	350	266
UN-14-21-2700	145	2700	2405	215	2,4	20,6	67,6	1,50	786	616	366	278
UN-14-21-2800	145	2800	2505	215	2,5	21,4	70,4	1,50	819	642	381	290
UN-14-21-2900	145	2900	2605	215	2,6	22,2	73,3	1,50	852	668	396	301
UN-14-21-3000	145	3000	2705	215	2,7	22,9	76,1	1,50	885	693	411	313
UN-14-21-3100	145	3100	2805	215	2,8	23,7	78,8	1,50	917	719	426	324
UN-14-21-3200	145	3200	2905	215	2,9	24,5	81,7	1,50	950	744	441	336
UN-14-21-3300	145	3300	3005	215	3,0	25,3	84,5	1,50	983	770	457	347
UN-14-21-3400	145	3400	3105	215	3,1	26,0	87,3	1,50	1015	796	472	359
UN-14-21-3500	145	3500	3205	215	3,2	26,8	90,1	1,50	1048	821	487	371
UN-14-21-3600	145	3600	3305	215	3,3	27,6	92,9	1,50	1081	847	502	382
UN-14-21-3700	145	3700	3405	215	3,4	28,4	95,7	1,50	1113	873	517	394
UN-14-21-3800	145	3800	3505	215	3,5	29,2	98,5	1,50	1146	898	533	405
UN-14-21-3900	145	3900	3605	215	3,6	29,9	101,4	1,50	1179	924	548	417
UN-14-21-4000	145	4000	3705	215	3,7	30,7	104,2	1,50	1212	949	563	428
UN-14-21-4100	145	4100	3805	215	3,8	31,5	107,0	1,50	1244	975	578	440
UN-14-21-4200	145	4200	3905	215	3,9	32,3	109,8	1,50	1277	1001	593	451
UN-14-21-4300	145	4300	4005	215	4,0	33,0	112,6	1,50	1310	1026	609	463
UN-14-21-4400	145	4400	4105	215	4,1	33,8	115,4	1,50	1342	1052	624	475
UN-14-21-4500	145	4500	4205	215	4,2	34,6	118,2	1,50	1375	1078	639	486
UN-14-21-4600	145	4600	4305	215	4,3	35,4	121,0	1,50	1408	1103	654	498
UN-14-21-4700	145	4700	4405	215	4,4	36,1	123,8	1,50	1440	1129	669	509
UN-14-21-4800	145	4800	4505	215	4,5	36,9	126,7	1,50	1473	1154	685	521

Model UN-14-25 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

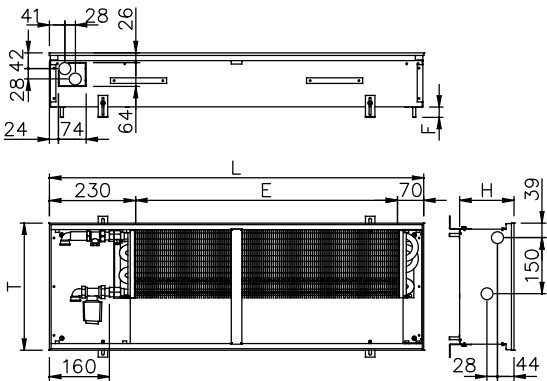
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-14-25-800	145	800	505	255	0,5	6,5	20,8	1,44	242	192	116	89
UN-14-25-900	145	900	605	255	0,6	7,4	24,9	1,44	290	230	139	107
UN-14-25-1000	145	1000	705	255	0,7	8,2	29,1	1,44	338	268	162	125
UN-14-25-1100	145	1100	805	255	0,8	9,1	33,2	1,44	386	306	185	142
UN-14-25-1200	145	1200	905	255	0,9	9,9	37,3	1,44	434	344	208	160
UN-14-25-1300	145	1300	1005	255	1,0	10,8	41,4	1,44	482	382	231	178
UN-14-25-1400	145	1400	1105	255	1,1	11,7	45,6	1,44	530	420	254	195
UN-14-25-1500	145	1500	1205	255	1,2	12,5	49,7	1,44	578	458	277	213
UN-14-25-1600	145	1600	1305	255	1,3	13,4	53,8	1,44	626	496	300	231
UN-14-25-1700	145	1700	1405	255	1,4	14,2	58,0	1,44	674	534	323	249
UN-14-25-1800	145	1800	1505	255	1,5	15,1	62,1	1,44	722	572	346	266
UN-14-25-1900	145	1900	1605	255	1,6	16,0	66,2	1,44	770	610	369	284
UN-14-25-2000	145	2000	1705	255	1,7	16,8	70,3	1,44	818	648	392	302
UN-14-25-2100	145	2100	1805	255	1,8	17,7	74,5	1,44	866	686	415	319
UN-14-25-2200	145	2200	1905	255	1,9	18,5	78,6	1,44	914	724	438	337
UN-14-25-2300	145	2300	2005	255	2,0	19,4	82,7	1,44	962	762	461	355
UN-14-25-2400	145	2400	2105	255	2,1	20,3	86,8	1,44	1010	800	484	372
UN-14-25-2500	145	2500	2205	255	2,2	21,1	91,0	1,44	1058	838	507	390
UN-14-25-2600	145	2600	2305	255	2,3	22,0	95,1	1,44	1106	876	530	408
UN-14-25-2700	145	2700	2405	255	2,4	22,8	99,2	1,44	1154	914	553	425
UN-14-25-2800	145	2800	2505	255	2,5	23,7	103,3	1,44	1202	952	576	443
UN-14-25-2900	145	2900	2605	255	2,6	24,6	107,5	1,44	1250	989	599	461
UN-14-25-3000	145	3000	2705	255	2,7	25,4	111,6	1,44	1298	1027	622	479
UN-14-25-3100	145	3100	2805	255	2,8	26,3	115,7	1,44	1346	1065	645	496
UN-14-25-3200	145	3200	2905	255	2,9	27,1	119,9	1,44	1394	1103	668	514
UN-14-25-3300	145	3300	3005	255	3,0	28,0	124,0	1,44	1442	1141	691	532
UN-14-25-3400	145	3400	3105	255	3,1	28,9	128,1	1,44	1490	1179	714	549
UN-14-25-3500	145	3500	3205	255	3,2	29,7	132,2	1,44	1538	1217	737	567
UN-14-25-3600	145	3600	3305	255	3,3	30,6	136,4	1,44	1586	1255	760	585
UN-14-25-3700	145	3700	3405	255	3,4	31,4	140,5	1,44	1634	1293	783	602
UN-14-25-3800	145	3800	3505	255	3,5	32,3	144,6	1,44	1682	1331	806	620
UN-14-25-3900	145	3900	3605	255	3,6	33,2	148,7	1,44	1730	1369	829	638
UN-14-25-4000	145	4000	3705	255	3,7	34,0	152,9	1,44	1778	1407	852	655
UN-14-25-4100	145	4100	3805	255	3,8	34,9	157,0	1,44	1826	1445	875	673
UN-14-25-4200	145	4200	3905	255	3,9	35,7	161,2	1,44	1874	1483	898	691
UN-14-25-4300	145	4300	4005	255	4,0	36,6	165,3	1,44	1922	1521	921	709
UN-14-25-4400	145	4400	4105	255	4,1	37,5	169,4	1,44	1970	1559	944	726
UN-14-25-4500	145	4500	4205	255	4,2	38,3	173,5	1,44	2018	1597	967	744
UN-14-25-4600	145	4600	4305	255	4,3	39,2	177,7	1,44	2066	1635	990	762
UN-14-25-4700	145	4700	4405	255	4,4	40,0	181,8	1,44	2114	1673	1013	779
UN-14-25-4800	145	4800	4505	255	4,5	40,9	185,9	1,44	2162	1711	1036	797

Zehnder Terraline

Model UN-14-34 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

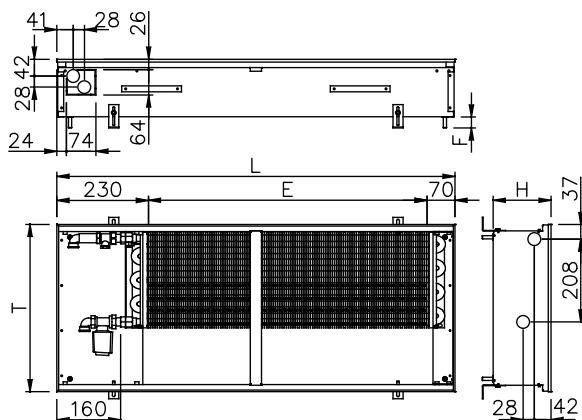
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-14-34-800	145	800	505	340	0,8	8,2	30,9	1,43	359	285	173	133
UN-14-34-900	145	900	605	340	0,9	9,3	37,0	1,43	430	341	207	160
UN-14-34-1000	145	1000	705	340	1,0	10,4	43,1	1,43	501	397	241	186
UN-14-34-1100	145	1100	805	340	1,2	11,5	49,2	1,43	572	454	276	212
UN-14-34-1200	145	1200	905	340	1,3	12,7	55,3	1,43	643	510	310	239
UN-14-34-1300	145	1300	1005	340	1,5	13,8	61,5	1,43	715	566	344	265
UN-14-34-1400	145	1400	1105	340	1,6	14,9	67,6	1,43	786	623	378	292
UN-14-34-1500	145	1500	1205	340	1,8	16,0	73,7	1,43	857	679	413	318
UN-14-34-1600	145	1600	1305	340	1,9	17,1	79,8	1,43	928	735	447	344
UN-14-34-1700	145	1700	1405	340	2,1	18,2	85,9	1,43	999	792	481	371
UN-14-34-1800	145	1800	1505	340	2,2	19,3	92,0	1,43	1070	848	515	397
UN-14-34-1900	145	1900	1605	340	2,4	20,4	98,1	1,43	1141	905	550	424
UN-14-34-2000	145	2000	1705	340	2,5	21,6	104,2	1,43	1212	961	584	450
UN-14-34-2100	145	2100	1805	340	2,7	22,7	110,3	1,43	1283	1017	618	476
UN-14-34-2200	145	2200	1905	340	2,8	23,8	116,4	1,43	1354	1074	652	503
UN-14-34-2300	145	2300	2005	340	3,0	24,9	122,6	1,43	1426	1130	687	529
UN-14-34-2400	145	2400	2105	340	3,1	26,0	128,7	1,43	1497	1186	721	555
UN-14-34-2500	145	2500	2205	340	3,3	27,1	134,8	1,43	1568	1243	755	582
UN-14-34-2600	145	2600	2305	340	3,4	28,2	140,9	1,43	1639	1299	789	608
UN-14-34-2700	145	2700	2405	340	3,6	29,4	147,0	1,43	1710	1355	824	635
UN-14-34-2800	145	2800	2505	340	3,7	30,5	153,1	1,43	1781	1412	858	661
UN-14-34-2900	145	2900	2605	340	3,9	31,6	159,2	1,43	1852	1468	892	687
UN-14-34-3000	145	3000	2705	340	4,0	32,7	165,3	1,43	1923	1524	926	714
UN-14-34-3100	145	3100	2805	340	4,2	33,8	171,4	1,43	1994	1581	961	740
UN-14-34-3200	145	3200	2905	340	4,3	34,9	177,5	1,43	2065	1637	995	767
UN-14-34-3300	145	3300	3005	340	4,5	36,0	183,7	1,43	2137	1693	1029	793
UN-14-34-3400	145	3400	3105	340	4,6	37,1	189,8	1,43	2208	1750	1063	819
UN-14-34-3500	145	3500	3205	340	4,8	38,3	195,9	1,43	2279	1806	1098	846
UN-14-34-3600	145	3600	3305	340	4,9	39,4	202,1	1,43	2350	1863	1132	872
UN-14-34-3700	145	3700	3405	340	5,1	40,5	208,2	1,43	2421	1919	1166	898
UN-14-34-3800	145	3800	3505	340	5,2	41,6	214,3	1,43	2492	1975	1200	925
UN-14-34-3900	145	3900	3605	340	5,4	42,7	220,4	1,43	2563	2032	1235	951
UN-14-34-4000	145	4000	3705	340	5,5	43,8	226,5	1,43	2634	2088	1269	978
UN-14-34-4100	145	4100	3805	340	5,7	44,9	232,6	1,43	2705	2144	1303	1004
UN-14-34-4200	145	4200	3905	340	5,8	46,0	238,7	1,43	2776	2201	1337	1030
UN-14-34-4300	145	4300	4005	340	6,0	47,2	244,8	1,43	2848	2257	1372	1057
UN-14-34-4400	145	4400	4105	340	6,1	48,3	250,9	1,43	2919	2313	1406	1083
UN-14-34-4500	145	4500	4205	340	6,3	49,4	257,1	1,43	2990	2370	1440	1110
UN-14-34-4600	145	4600	4305	340	6,4	50,5	263,2	1,43	3061	2426	1474	1136
UN-14-34-4700	145	4700	4405	340	6,6	51,6	269,3	1,43	3132	2482	1509	1162
UN-14-34-4800	145	4800	4505	340	6,7	52,7	275,4	1,43	3203	2539	1543	1189

Zehnder Terraline



Model UN-14-42 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Grille not shown

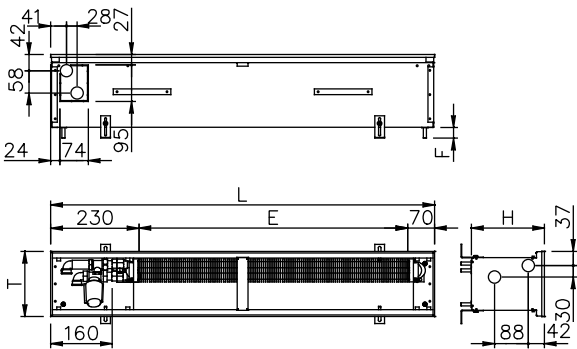
Valves and actuators are not included as standard

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-14-42-800	145	800	505	420	1,0	9,9	37,7	1,40	439	350	215	166
UN-14-42-900	145	900	605	420	1,2	9,9	45,2	1,40	526	419	257	199
UN-14-42-1000	145	1000	705	420	1,4	12,6	52,7	1,40	613	488	300	232
UN-14-42-1100	145	1100	805	420	1,6	13,9	60,2	1,40	700	557	342	265
UN-14-42-1200	145	1200	905	420	1,8	15,3	67,6	1,40	786	626	385	298
UN-14-42-1300	145	1300	1005	420	2,0	16,6	75,1	1,40	873	696	427	331
UN-14-42-1400	145	1400	1105	420	2,2	18,0	82,5	1,40	960	765	470	364
UN-14-42-1500	145	1500	1205	420	2,4	19,3	90,0	1,40	1047	834	512	397
UN-14-42-1600	145	1600	1305	420	2,6	20,7	97,5	1,40	1134	903	555	430
UN-14-42-1700	145	1700	1405	420	2,8	22,1	105,0	1,40	1221	972	597	463
UN-14-42-1800	145	1800	1505	420	3,0	23,4	112,5	1,40	1308	1042	640	496
UN-14-42-1900	145	1900	1605	420	3,2	24,8	119,9	1,40	1395	1111	682	529
UN-14-42-2000	145	2000	1705	420	3,4	26,1	127,4	1,40	1482	1180	725	561
UN-14-42-2100	145	2100	1805	420	3,6	27,5	134,9	1,40	1569	1249	767	594
UN-14-42-2200	145	2200	1905	420	3,8	28,8	142,3	1,40	1655	1319	810	627
UN-14-42-2300	145	2300	2005	420	4,0	30,2	149,8	1,40	1742	1388	852	660
UN-14-42-2400	145	2400	2105	420	4,2	31,6	157,3	1,40	1829	1457	895	693
UN-14-42-2500	145	2500	2205	420	4,4	32,9	164,7	1,40	1916	1526	937	726
UN-14-42-2600	145	2600	2305	420	4,6	34,3	172,2	1,40	2003	1595	980	759
UN-14-42-2700	145	2700	2405	420	4,8	35,6	179,7	1,40	2090	1665	1022	792
UN-14-42-2800	145	2800	2505	420	5,0	37,0	187,2	1,40	2177	1734	1065	825
UN-14-42-2900	145	2900	2605	420	5,2	38,3	194,7	1,40	2264	1803	1107	858
UN-14-42-3000	145	3000	2705	420	5,4	39,7	202,1	1,40	2351	1872	1150	891
UN-14-42-3100	145	3100	2805	420	5,6	41,1	209,6	1,40	2438	1942	1192	924
UN-14-42-3200	145	3200	2905	420	5,8	42,4	217,0	1,40	2524	2011	1235	957
UN-14-42-3300	145	3300	3005	420	6,0	43,8	224,5	1,40	2611	2080	1277	990
UN-14-42-3400	145	3400	3105	420	6,2	45,1	232,0	1,40	2698	2149	1320	1022
UN-14-42-3500	145	3500	3205	420	6,4	46,5	239,5	1,40	2785	2218	1362	1055
UN-14-42-3600	145	3600	3305	420	6,6	47,8	246,9	1,40	2872	2288	1405	1088
UN-14-42-3700	145	3700	3405	420	6,8	49,2	254,4	1,40	2959	2357	1447	1121
UN-14-42-3800	145	3800	3505	420	7,0	50,5	261,9	1,40	3046	2426	1490	1154
UN-14-42-3900	145	3900	3605	420	7,2	51,9	269,4	1,40	3133	2495	1532	1187
UN-14-42-4000	145	4000	3705	420	7,3	53,3	276,9	1,40	3220	2564	1575	1220
UN-14-42-4100	145	4100	3805	420	7,5	54,6	284,3	1,40	3307	2634	1617	1253
UN-14-42-4200	145	4200	3905	420	7,7	56,0	291,8	1,40	3393	2703	1660	1286
UN-14-42-4300	145	4300	4005	420	7,9	57,3	299,2	1,40	3480	2772	1702	1319
UN-14-42-4400	145	4400	4105	420	8,1	58,7	306,7	1,40	3567	2841	1745	1352
UN-14-42-4500	145	4500	4205	420	8,3	60,0	314,2	1,40	3654	2911	1787	1385
UN-14-42-4600	145	4600	4305	420	8,5	61,4	321,7	1,40	3741	2980	1830	1418
UN-14-42-4700	145	4700	4405	420	8,7	62,8	329,1	1,40	3828	3049	1872	1451
UN-14-42-4800	145	4800	4505	420	8,9	64,1	336,6	1,40	3915	3118	1915	1483

Zehnder Terraline

Model UN-19-17 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

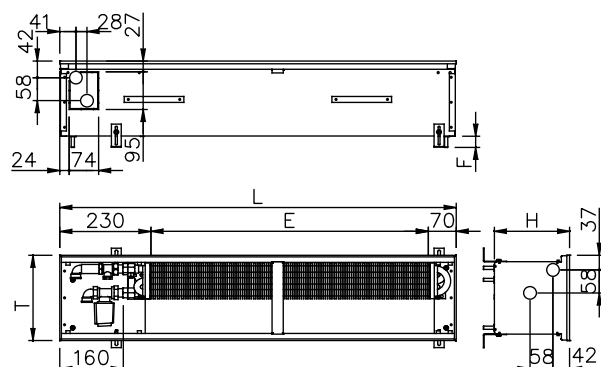
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-19-17-800	190	800	505	170	0,5	5,6	12,3	1,48	143	112	67	51
UN-19-17-900	190	900	605	170	0,6	6,4	14,7	1,48	171	134	80	61
UN-19-17-1000	190	1000	705	170	0,7	7,1	17,2	1,48	200	157	94	72
UN-19-17-1100	190	1100	805	170	0,8	7,9	19,6	1,48	228	179	107	82
UN-19-17-1200	190	1200	905	170	0,9	8,6	22,0	1,48	256	201	120	92
UN-19-17-1300	190	1300	1005	170	1,0	9,3	24,4	1,48	284	223	133	102
UN-19-17-1400	190	1400	1105	170	1,1	10,1	26,9	1,48	313	246	147	112
UN-19-17-1500	190	1500	1205	170	1,2	10,8	29,3	1,48	341	268	160	122
UN-19-17-1600	190	1600	1305	170	1,3	11,6	31,7	1,48	369	290	173	132
UN-19-17-1700	190	1700	1405	170	1,4	12,3	34,2	1,48	398	313	187	143
UN-19-17-1800	190	1800	1505	170	1,5	13,1	36,6	1,48	426	335	200	153
UN-19-17-1900	190	1900	1605	170	1,6	13,8	39,0	1,48	454	357	213	163
UN-19-17-2000	190	2000	1705	170	1,7	14,6	41,5	1,48	483	380	227	173
UN-19-17-2100	190	2100	1805	170	1,8	15,3	43,9	1,48	511	402	240	183
UN-19-17-2200	190	2200	1905	170	1,9	16,1	46,3	1,48	539	424	253	193
UN-19-17-2300	190	2300	2005	170	2,0	16,8	48,8	1,48	567	446	266	203
UN-19-17-2400	190	2400	2105	170	2,1	17,5	51,2	1,48	596	469	280	214
UN-19-17-2500	190	2500	2205	170	2,2	18,3	53,7	1,48	624	491	293	224
UN-19-17-2600	190	2600	2305	170	2,3	19,0	56,1	1,48	652	513	306	234
UN-19-17-2700	190	2700	2405	170	2,4	19,8	58,6	1,48	681	535	320	244
UN-19-17-2800	190	2800	2505	170	2,5	20,5	61,0	1,48	709	557	333	254
UN-19-17-2900	190	2900	2605	170	2,6	21,3	63,4	1,48	737	579	346	264
UN-19-17-3000	190	3000	2705	170	2,7	22,0	65,9	1,48	766	602	360	275
UN-19-17-3100	190	3100	2805	170	2,8	22,8	68,3	1,48	794	624	373	285
UN-19-17-3200	190	3200	2905	170	2,9	23,5	70,7	1,48	822	646	386	295
UN-19-17-3300	190	3300	3005	170	3,0	24,3	73,1	1,48	850	668	399	305
UN-19-17-3400	190	3400	3105	170	3,1	25,0	75,6	1,48	879	691	413	315
UN-19-17-3500	190	3500	3205	170	3,2	25,7	78,0	1,48	907	713	426	325
UN-19-17-3600	190	3600	3305	170	3,3	26,5	80,4	1,48	935	735	439	335
UN-19-17-3700	190	3700	3405	170	3,4	27,2	82,9	1,48	964	758	453	346
UN-19-17-3800	190	3800	3505	170	3,5	28,0	85,3	1,48	992	780	466	356
UN-19-17-3900	190	3900	3605	170	3,6	28,7	87,7	1,48	1020	802	479	366
UN-19-17-4000	190	4000	3705	170	3,7	29,5	90,2	1,48	1049	825	493	376
UN-19-17-4100	190	4100	3805	170	3,8	30,2	92,6	1,48	1077	847	506	386
UN-19-17-4200	190	4200	3905	170	3,9	31,0	95,0	1,48	1105	869	519	396
UN-19-17-4300	190	4300	4005	170	4,0	31,7	97,4	1,48	1133	891	532	406
UN-19-17-4400	190	4400	4105	170	4,1	32,5	99,9	1,48	1162	914	546	417
UN-19-17-4500	190	4500	4205	170	4,2	33,2	102,3	1,48	1190	936	559	427
UN-19-17-4600	190	4600	4305	170	4,3	34,0	104,7	1,48	1218	958	572	437
UN-19-17-4700	190	4700	4405	170	4,4	34,7	107,2	1,48	1247	980	586	447
UN-19-17-4800	190	4800	4505	170	4,5	35,4	109,6	1,48	1275	1002	599	457

Model UN-19-21 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

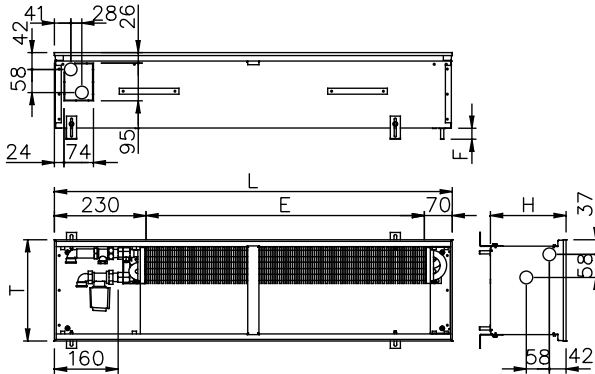
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T$ 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
	mm	mm	mm	mm	dm ³	kg	kg/h	n				
UN-19-21-800	190	800	505	215	0,8	6,9	16,9	1,54	197	154	90	68
UN-19-21-900	190	900	605	215	0,9	7,8	20,4	1,54	237	184	108	81
UN-19-21-1000	190	1000	705	215	1,0	8,8	23,7	1,54	276	215	126	95
UN-19-21-1100	190	1100	805	215	1,2	9,7	27,1	1,54	315	245	143	108
UN-19-21-1200	190	1200	905	215	1,3	10,6	30,4	1,54	354	276	161	122
UN-19-21-1300	190	1300	1005	215	1,5	11,6	33,8	1,54	393	306	179	135
UN-19-21-1400	190	1400	1105	215	1,6	12,5	37,1	1,54	432	336	197	149
UN-19-21-1500	190	1500	1205	215	1,8	13,5	40,5	1,54	471	367	215	162
UN-19-21-1600	190	1600	1305	215	1,9	14,4	43,9	1,54	510	397	232	175
UN-19-21-1700	190	1700	1405	215	2,1	15,3	47,2	1,54	549	428	250	189
UN-19-21-1800	190	1800	1505	215	2,2	16,3	50,6	1,54	588	458	268	202
UN-19-21-1900	190	1900	1605	215	2,4	17,2	54,0	1,54	628	489	286	216
UN-19-21-2000	190	2000	1705	215	2,5	18,2	57,3	1,54	667	519	304	229
UN-19-21-2100	190	2100	1805	215	2,7	19,1	60,7	1,54	706	549	321	243
UN-19-21-2200	190	2200	1905	215	2,8	20,1	64,1	1,54	745	580	339	256
UN-19-21-2300	190	2300	2005	215	3,0	21,0	67,4	1,54	784	610	357	270
UN-19-21-2400	190	2400	2105	215	3,1	21,9	70,8	1,54	823	641	375	283
UN-19-21-2500	190	2500	2205	215	3,3	22,9	74,1	1,54	862	671	393	296
UN-19-21-2600	190	2600	2305	215	3,4	23,8	77,5	1,54	901	702	410	310
UN-19-21-2700	190	2700	2405	215	3,6	24,8	80,8	1,54	940	732	428	323
UN-19-21-2800	190	2800	2505	215	3,7	25,7	84,2	1,54	979	763	446	337
UN-19-21-2900	190	2900	2605	215	3,9	26,7	87,6	1,54	1019	793	464	350
UN-19-21-3000	190	3000	2705	215	4,0	27,6	91,0	1,54	1058	823	482	364
UN-19-21-3100	190	3100	2805	215	4,2	28,5	94,3	1,54	1097	854	499	377
UN-19-21-3200	190	3200	2905	215	4,3	29,5	97,7	1,54	1136	884	517	391
UN-19-21-3300	190	3300	3005	215	4,5	30,4	101,0	1,54	1175	915	535	404
UN-19-21-3400	190	3400	3105	215	4,6	31,4	104,4	1,54	1214	945	553	417
UN-19-21-3500	190	3500	3205	215	4,8	32,3	107,7	1,54	1253	976	571	431
UN-19-21-3600	190	3600	3305	215	4,9	33,2	111,1	1,54	1292	1006	588	444
UN-19-21-3700	190	3700	3405	215	5,1	34,2	114,4	1,54	1331	1037	606	458
UN-19-21-3800	190	3800	3505	215	5,2	35,1	117,8	1,54	1370	1067	624	471
UN-19-21-3900	190	3900	3605	215	5,4	36,1	121,2	1,54	1410	1097	642	485
UN-19-21-4000	190	4000	3705	215	5,5	37,0	124,6	1,54	1449	1128	660	498
UN-19-21-4100	190	4100	3805	215	5,7	38,0	127,9	1,54	1488	1158	677	512
UN-19-21-4200	190	4200	3905	215	5,8	38,9	131,3	1,54	1527	1189	695	525
UN-19-21-4300	190	4300	4005	215	6,0	39,8	134,6	1,54	1566	1219	713	539
UN-19-21-4400	190	4400	4105	215	6,1	40,8	138,0	1,54	1605	1250	731	552
UN-19-21-4500	190	4500	4205	215	6,3	41,7	141,4	1,54	1644	1280	749	565
UN-19-21-4600	190	4600	4305	215	6,4	42,7	144,7	1,54	1683	1311	766	579
UN-19-21-4700	190	4700	4405	215	6,6	43,6	148,1	1,54	1722	1341	784	592
UN-19-21-4800	190	4800	4505	215	6,7	44,5	151,5	1,54	1761	1371	802	606

Zehnder Terraline



Model UN-19-25 - for same-side connection, room-facing or frontal



Grille not shown

Valves and actuators are not included as standard

- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

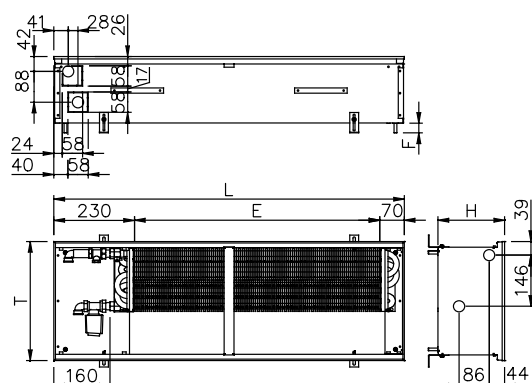
Dimensions in mm

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp.	$\Phi_S = \Delta T 50 K$	Φ	Φ	Φ
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	70/55/20 °C	55/45/20 °C	50/40/20 °C
										Watts	Watts	Watts
UN-19-25-800	190	800	505	255	0,8	7,5	20,2	1,42	235	187	114	88
UN-19-25-900	190	900	605	255	0,9	8,6	24,2	1,42	281	223	136	105
UN-19-25-1000	190	1000	705	255	1,0	9,6	28,2	1,42	328	260	159	123
UN-19-25-1100	190	1100	805	255	1,2	10,6	32,2	1,42	374	297	181	140
UN-19-25-1200	190	1200	905	255	1,3	11,6	36,2	1,42	421	334	204	157
UN-19-25-1300	190	1300	1005	255	1,5	12,7	40,2	1,42	467	371	226	175
UN-19-25-1400	190	1400	1105	255	1,6	13,7	44,2	1,42	514	408	249	192
UN-19-25-1500	190	1500	1205	255	1,8	14,7	48,1	1,42	560	445	271	209
UN-19-25-1600	190	1600	1305	255	1,9	15,7	52,2	1,42	607	482	294	227
UN-19-25-1700	190	1700	1405	255	2,1	16,8	56,1	1,42	653	518	316	244
UN-19-25-1800	190	1800	1505	255	2,2	17,8	60,2	1,42	700	556	339	262
UN-19-25-1900	190	1900	1605	255	2,4	18,8	64,1	1,42	746	592	361	279
UN-19-25-2000	190	2000	1705	255	2,5	19,8	68,2	1,42	793	630	384	296
UN-19-25-2100	190	2100	1805	255	2,7	20,9	72,1	1,42	839	666	406	314
UN-19-25-2200	190	2200	1905	255	2,8	21,9	76,2	1,42	886	703	429	331
UN-19-25-2300	190	2300	2005	255	3,0	22,9	80,1	1,42	932	740	451	348
UN-19-25-2400	190	2400	2105	255	3,1	23,9	84,2	1,42	979	777	474	366
UN-19-25-2500	190	2500	2205	255	3,3	24,9	88,1	1,42	1025	814	496	383
UN-19-25-2600	190	2600	2305	255	3,4	26,0	92,2	1,42	1072	851	519	401
UN-19-25-2700	190	2700	2405	255	3,6	27,0	96,1	1,42	1118	888	541	418
UN-19-25-2800	190	2800	2505	255	3,7	28,0	100,2	1,42	1165	925	564	435
UN-19-25-2900	190	2900	2605	255	3,9	29,0	104,1	1,42	1211	961	586	453
UN-19-25-3000	190	3000	2705	255	4,0	30,1	108,2	1,42	1258	999	609	470
UN-19-25-3100	190	3100	2805	255	4,2	31,1	112,1	1,42	1304	1035	631	487
UN-19-25-3200	190	3200	2905	255	4,3	32,1	116,2	1,42	1351	1073	654	505
UN-19-25-3300	190	3300	3005	255	4,5	33,1	120,1	1,42	1397	1109	676	522
UN-19-25-3400	190	3400	3105	255	4,6	34,2	124,2	1,42	1444	1146	699	540
UN-19-25-3500	190	3500	3205	255	4,8	35,2	128,1	1,42	1490	1183	721	557
UN-19-25-3600	190	3600	3305	255	4,9	36,2	132,2	1,42	1537	1220	744	574
UN-19-25-3700	190	3700	3405	255	5,1	37,2	136,1	1,42	1583	1257	766	592
UN-19-25-3800	190	3800	3505	255	5,2	38,3	140,1	1,42	1630	1294	789	609
UN-19-25-3900	190	3900	3605	255	5,4	39,3	144,1	1,42	1676	1331	811	626
UN-19-25-4000	190	4000	3705	255	5,5	40,3	148,1	1,42	1723	1368	834	644
UN-19-25-4100	190	4100	3805	255	5,7	41,3	152,1	1,42	1769	1404	856	661
UN-19-25-4200	190	4200	3905	255	5,8	42,4	156,1	1,42	1816	1442	879	679
UN-19-25-4300	190	4300	4005	255	6,0	43,4	160,1	1,42	1862	1478	901	696
UN-19-25-4400	190	4400	4105	255	6,1	44,4	164,1	1,42	1909	1516	924	713
UN-19-25-4500	190	4500	4205	255	6,3	45,4	168,1	1,42	1955	1552	947	731
UN-19-25-4600	190	4600	4305	255	6,4	46,5	172,1	1,42	2002	1589	969	748
UN-19-25-4700	190	4700	4405	255	6,6	47,5	176,1	1,42	2048	1626	992	765
UN-19-25-4800	190	4800	4505	255	6,7	48,5	180,1	1,42	2095	1663	1014	783

Model UN-19-34 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

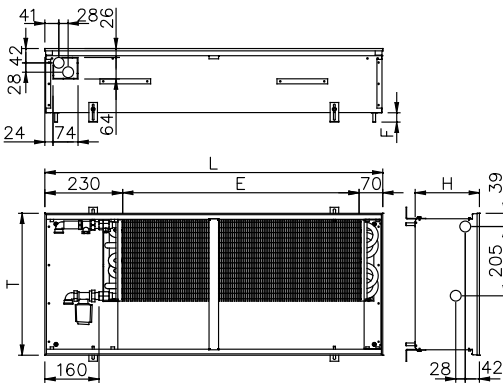
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S = \Delta T$ 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-19-34-800	190	800	505	340	1,5	10,3	31,9	1,47	371	292	175	134
UN-19-34-900	190	900	605	340	1,8	11,8	38,3	1,47	445	350	210	161
UN-19-34-1000	190	1000	705	340	2,1	13,2	44,5	1,47	518	408	245	187
UN-19-34-1100	190	1100	805	340	2,4	14,7	50,9	1,47	592	466	279	214
UN-19-34-1200	190	1200	905	340	2,7	16,2	57,2	1,47	665	524	314	240
UN-19-34-1300	190	1300	1005	340	3,0	17,7	63,5	1,47	739	582	349	267
UN-19-34-1400	190	1400	1105	340	3,3	19,2	69,8	1,47	812	640	383	293
UN-19-34-1500	190	1500	1205	340	3,6	20,7	76,2	1,47	886	697	418	320
UN-19-34-1600	190	1600	1305	340	3,9	22,1	82,5	1,47	959	755	453	346
UN-19-34-1700	190	1700	1405	340	4,2	23,6	88,8	1,47	1033	813	487	373
UN-19-34-1800	190	1800	1505	340	4,5	25,1	95,1	1,47	1106	871	522	399
UN-19-34-1900	190	1900	1605	340	4,8	26,6	101,5	1,47	1180	929	557	426
UN-19-34-2000	190	2000	1705	340	5,1	28,1	107,7	1,47	1253	987	591	452
UN-19-34-2100	190	2100	1805	340	5,4	29,5	114,1	1,47	1327	1045	626	479
UN-19-34-2200	190	2200	1905	340	5,7	31,0	120,4	1,47	1400	1103	661	505
UN-19-34-2300	190	2300	2005	340	6,0	32,5	126,7	1,47	1474	1161	695	532
UN-19-34-2400	190	2400	2105	340	6,3	34,0	133,0	1,47	1547	1218	730	559
UN-19-34-2500	190	2500	2205	340	6,6	35,5	139,4	1,47	1621	1276	765	585
UN-19-34-2600	190	2600	2305	340	6,9	36,9	145,7	1,47	1694	1334	800	612
UN-19-34-2700	190	2700	2405	340	7,2	38,4	152,0	1,47	1768	1392	834	638
UN-19-34-2800	190	2800	2505	340	7,5	39,9	158,3	1,47	1841	1450	869	665
UN-19-34-2900	190	2900	2605	340	7,8	41,4	164,7	1,47	1915	1508	904	691
UN-19-34-3000	190	3000	2705	340	8,0	42,9	170,9	1,47	1988	1566	938	718
UN-19-34-3100	190	3100	2805	340	8,3	44,3	177,3	1,47	2062	1624	973	744
UN-19-34-3200	190	3200	2905	340	8,6	45,8	183,6	1,47	2135	1681	1008	771
UN-19-34-3300	190	3300	3005	340	8,9	47,3	189,9	1,47	2209	1739	1042	797
UN-19-34-3400	190	3400	3105	340	9,2	48,8	196,2	1,47	2282	1797	1077	824
UN-19-34-3500	190	3500	3205	340	9,5	50,3	202,6	1,47	2356	1855	1112	850
UN-19-34-3600	190	3600	3305	340	9,8	51,8	208,8	1,47	2429	1913	1146	877
UN-19-34-3700	190	3700	3405	340	10,1	53,2	215,2	1,47	2503	1971	1181	903
UN-19-34-3800	190	3800	3505	340	10,4	54,7	221,5	1,47	2576	2029	1216	930
UN-19-34-3900	190	3900	3605	340	10,7	56,2	227,8	1,47	2650	2087	1250	956
UN-19-34-4000	190	4000	3705	340	11,0	57,7	234,1	1,47	2723	2144	1285	983
UN-19-34-4100	190	4100	3805	340	11,3	59,2	240,5	1,47	2797	2202	1320	1010
UN-19-34-4200	190	4200	3905	340	11,6	60,6	246,8	1,47	2870	2260	1355	1036
UN-19-34-4300	190	4300	4005	340	11,9	62,1	253,1	1,47	2944	2318	1389	1063
UN-19-34-4400	190	4400	4105	340	12,2	63,6	259,4	1,47	3017	2376	1424	1089
UN-19-34-4500	190	4500	4205	340	12,5	65,1	265,7	1,47	3091	2434	1459	1116
UN-19-34-4600	190	4600	4305	340	12,8	66,6	272,1	1,47	3164	2492	1493	1142
UN-19-34-4700	190	4700	4405	340	13,1	68,0	278,4	1,47	3238	2550	1528	1169
UN-19-34-4800	190	4800	4505	340	13,4	69,5	284,7	1,47	3311	2608	1563	1195

Zehnder Terraline



Model UN-19-42 - for same-side connection, room-facing or frontal



- H_T = Total height incl. threaded rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

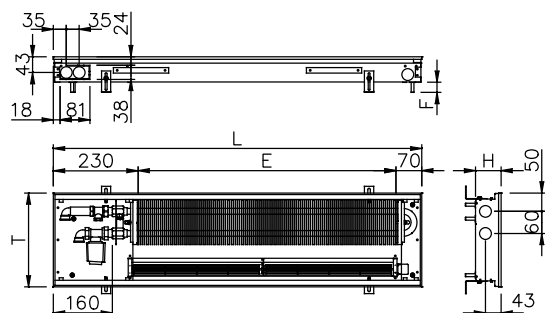
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 50 K	Φ 70/55/20 °C	Φ 55/45/20 °C	Φ 50/40/20 °C
	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts	Watts	Watts	Watts
UN-19-42-800	190	800	505	420	1,5	11,5	44,6	1,46	519	409	246	189
UN-19-42-900	190	900	605	420	1,8	13,1	53,5	1,46	622	491	295	226
UN-19-42-1000	190	1000	705	420	2,1	14,8	62,3	1,46	725	572	344	263
UN-19-42-1100	190	1100	805	420	2,4	16,4	71,2	1,46	828	653	393	301
UN-19-42-1200	190	1200	905	420	2,7	18,1	80,0	1,46	930	734	441	338
UN-19-42-1300	190	1300	1005	420	3,0	19,7	88,8	1,46	1033	815	490	376
UN-19-42-1400	190	1400	1105	420	3,3	21,3	97,7	1,46	1136	896	539	413
UN-19-42-1500	190	1500	1205	420	3,6	23,0	106,5	1,46	1239	977	588	450
UN-19-42-1600	190	1600	1305	420	3,9	24,6	115,4	1,46	1342	1058	636	488
UN-19-42-1700	190	1700	1405	420	4,2	26,3	124,2	1,46	1444	1139	685	525
UN-19-42-1800	190	1800	1505	420	4,5	27,9	133,0	1,46	1547	1220	734	562
UN-19-42-1900	190	1900	1605	420	4,8	29,5	141,9	1,46	1650	1301	783	600
UN-19-42-2000	190	2000	1705	420	5,1	31,2	150,7	1,46	1753	1383	831	637
UN-19-42-2100	190	2100	1805	420	5,4	32,8	159,6	1,46	1856	1464	880	674
UN-19-42-2200	190	2200	1905	420	5,7	34,5	168,3	1,46	1958	1545	929	712
UN-19-42-2300	190	2300	2005	420	6,0	36,1	177,2	1,46	2061	1626	978	749
UN-19-42-2400	190	2400	2105	420	6,3	37,7	186,1	1,46	2164	1707	1026	787
UN-19-42-2500	190	2500	2205	420	6,6	39,4	194,9	1,46	2267	1788	1075	824
UN-19-42-2600	190	2600	2305	420	6,9	41,0	203,8	1,46	2370	1869	1124	861
UN-19-42-2700	190	2700	2405	420	7,2	42,7	212,5	1,46	2472	1950	1173	899
UN-19-42-2800	190	2800	2505	420	7,5	44,3	221,4	1,46	2575	2031	1222	936
UN-19-42-2900	190	2900	2605	420	7,8	45,9	230,3	1,46	2678	2112	1270	973
UN-19-42-3000	190	3000	2705	420	8,0	47,6	239,1	1,46	2781	2193	1319	1011
UN-19-42-3100	190	3100	2805	420	8,3	49,2	248,0	1,46	2884	2274	1368	1048
UN-19-42-3200	190	3200	2905	420	8,6	50,9	256,7	1,46	2986	2356	1417	1086
UN-19-42-3300	190	3300	3005	420	8,9	52,5	265,6	1,46	3089	2437	1465	1123
UN-19-42-3400	190	3400	3105	420	9,2	54,1	274,4	1,46	3192	2518	1514	1160
UN-19-42-3500	190	3500	3205	420	9,5	55,8	283,3	1,46	3295	2599	1563	1198
UN-19-42-3600	190	3600	3305	420	9,8	57,4	292,2	1,46	3398	2680	1612	1235
UN-19-42-3700	190	3700	3405	420	10,1	59,1	300,9	1,46	3500	2761	1660	1272
UN-19-42-3800	190	3800	3505	420	10,4	60,7	309,8	1,46	3603	2842	1709	1310
UN-19-42-3900	190	3900	3605	420	10,7	62,3	318,6	1,46	3706	2923	1758	1347
UN-19-42-4000	190	4000	3705	420	11,0	64,0	327,5	1,46	3809	3004	1807	1384
UN-19-42-4100	190	4100	3805	420	11,3	65,6	336,3	1,46	3912	3085	1855	1422
UN-19-42-4200	190	4200	3905	420	11,6	67,3	345,2	1,46	4014	3166	1904	1459
UN-19-42-4300	190	4300	4005	420	11,9	68,9	354,0	1,46	4117	3247	1953	1497
UN-19-42-4400	190	4400	4105	420	12,2	70,5	362,8	1,46	4220	3329	2002	1534
UN-19-42-4500	190	4500	4205	420	12,5	72,2	371,7	1,46	4323	3410	2051	1571
UN-19-42-4600	190	4600	4305	420	12,8	73,8	380,5	1,46	4426	3491	2099	1609
UN-19-42-4700	190	4700	4405	420	13,1	75,5	389,3	1,46	4528	3572	2148	1646
UN-19-42-4800	190	4800	4505	420	13,4	77,1	398,2	1,46	4631	3653	2197	1683

Zehnder Terraline Neo



Model UFT-07-25 - for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

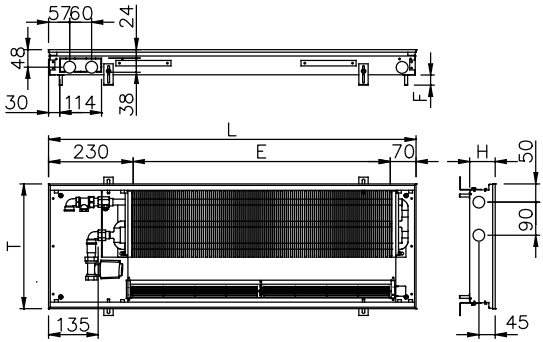
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with low transverse grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts											
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																	
UFT-07-25-800	70	800	505	400	255	0,25	5,5	32,8	1,1382	51	257	381	434	29	144	213	243								
UFT-07-25-900	70	900	605	500	255	0,30	6,2	41,0	1,1382	64	321	477	543	36	179	267	304								
UFT-07-25-1000	70	1000	705	700	255	0,35	6,9	57,3	1,1382	90	449	667	760	50	251	373	425								
UFT-07-25-1100	70	1100	805	700	255	0,40	7,6	57,3	1,1382	90	449	667	760	50	251	373	425								
UFT-07-25-1200	70	1200	905	800	255	0,45	8,3	65,6	1,1382	103	513	763	868	57	287	427	485								
UFT-07-25-1300	70	1300	1005	900	255	0,50	8,9	73,8	1,1382	116	578	858	977	65	323	480	546								
UFT-07-25-1400	70	1400	1105	1000	255	0,55	9,6	81,9	1,1382	128	642	953	1085	72	359	533	607								
UFT-07-25-1500	70	1500	1205	1100	255	0,60	10,3	90,2	1,1382	141	706	1049	1194	79	395	586	668								
UFT-07-25-1600	70	1600	1305	1200	255	0,65	11,0	98,4	1,1382	154	770	1144	1302	86	431	640	728								
UFT-07-25-1700	70	1700	1405	1200	255	0,70	11,7	98,4	1,1382	154	770	1144	1302	86	431	640	728								
UFT-07-25-1800	70	1800	1505	1400	255	0,75	12,4	114,8	1,1382	180	898	1335	1519	100	502	746	849								
UFT-07-25-1900	70	1900	1605	1500	255	0,80	13,1	123,0	1,1382	193	963	1430	1628	108	538	800	910								
UFT-07-25-2000	70	2000	1705	1600	255	0,85	13,8	131,1	1,1382	205	1027	1525	1736	115	574	853	971								
UFT-07-25-2100	70	2100	1805	1700	255	0,90	14,4	139,4	1,1382	218	1091	1621	1845	122	610	906	1032								
UFT-07-25-2200	70	2200	1905	1700	255	0,94	15,1	139,4	1,1382	218	1091	1621	1845	122	610	906	1032								
UFT-07-25-2300	70	2300	2005	1900	255	0,99	15,8	155,7	1,1382	244	1219	1811	2062	136	682	1013	1153								
UFT-07-25-2400	70	2400	2105	1900	255	1,04	16,5	155,7	1,1382	244	1219	1811	2062	136	682	1013	1153								
UFT-07-25-2500	70	2500	2205	2000	255	1,09	17,2	164,0	1,1382	257	1283	1907	2170	143	717	1066	1213								
UFT-07-25-2600	70	2600	2305	2100	255	1,14	17,9	172,1	1,1382	270	1348	2002	2279	151	754	1119	1274								
UFT-07-25-2700	70	2700	2405	2200	255	1,19	18,6	180,3	1,1382	282	1412	2097	2387	158	789	1172	1335								
UFT-07-25-2800	70	2800	2505	2300	255	1,24	19,3	188,6	1,1382	295	1476	2193	2496	165	825	1226	1396								
UFT-07-25-2900	70	2900	2605	2400	255	1,29	19,9	196,7	1,1382	308	1540	2288	2604	172	861	1279	1456								
UFT-07-25-3000	70	3000	2705	2400	255	1,34	20,6	196,7	1,1382	308	1540	2288	2604	172	861	1279	1456								
UFT-07-25-3100	70	3100	2805	2600	255	1,39	21,3	213,1	1,1382	334	1668	2479	2821	187	933	1386	1577								
UFT-07-25-3200	70	3200	2905	2700	255	1,44	22,0	221,3	1,1382	347	1733	2574	2930	194	969	1439	1638								
UFT-07-25-3300	70	3300	3005	2700	255	1,49	22,7	221,3	1,1382	347	1733	2574	2930	194	969	1439	1638								
UFT-07-25-3400	70	3400	3105	2800	255	1,54	23,4	229,5	1,1382	359	1797	2669	3038	201	1005	1492	1699								
UFT-07-25-3500	70	3500	3205	2900	255	1,59	24,1	237,7	1,1382	372	1861	2765	3147	208	1040	1546	1759								
UFT-07-25-3600	70	3600	3305	3100	255	1,64	24,8	254,1	1,1382	398	1989	2955	3364	222	1112	1652	1881								
UFT-07-25-3700	70	3700	3405	3100	255	1,69	25,4	254,1	1,1382	398	1989	2955	3364	222	1112	1652	1881								
UFT-07-25-3800	70	3800	3505	3200	255	1,74	26,1	262,3	1,1382	411	2053	3051	3472	230	1148	1706	1941								
UFT-07-25-3900	70	3900	3605	3300	255	1,79	26,8	270,5	1,1382	424	2118	3146	3581	237	1184	1759	2002								
UFT-07-25-4000	70	4000	3705	3400	255	1,84	27,5	278,7	1,1382	436	2182	3241	3689	244	1220	1812	2063								
UFT-07-25-4100	70	4100	3805	3500	255	1,89	28,2	286,9	1,1382	449	2246	3337	3798	251	1256	1866	2123								
UFT-07-25-4200	70	4200	3905	3600	255	1,94	28,9	295,1	1,1382	462	2310	3432	3906	258	1292	1919	2184								
UFT-07-25-4300	70	4300	4005	3600	255	1,99	29,6	295,1	1,1382	462	2310	3432	3906	258	1292	1919	2184								
UFT-07-25-4400	70	4400	4105	3800	255	2,04	30,3	311,5	1,1382	488	2438	3623	4123	273	1363	2026	2305								
UFT-07-25-4500	70	4500	4205	3900	255	2,09	30,9	319,7	1,1382	501	2503	3718	4232	280	1399	2079	2366								
UFT-07-25-4600	70	4600	4305	4000	255	2,13	31,6	327,8	1,1382	513	2567	3813	4340	287	1435	2132	2427								
UFT-07-25-4700	70	4700	4405	4100	255	2,18	32,3	336,1	1,1382	526	2631	3909	4449	294	1471	2186	2487								
UFT-07-25-4800	70	4800	4505	4100	255	2,23	33,0	336,1	1,1382	526	2631	3909	4449	294	1471	2186	2487								

Zehnder Terraline Neo

Model UFT-07-34 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

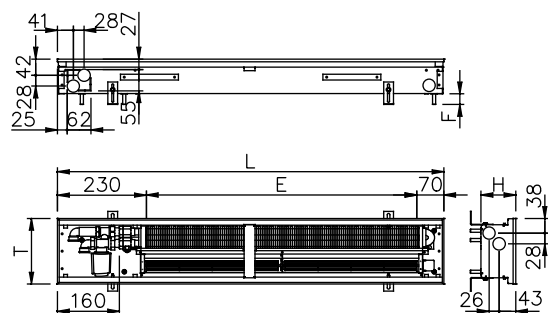
Technical data, output specifications for version with low transverse grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts				Watts			
UFT-07-34-800	70	800	505	400	340	0,40	7,2	37,7	1,2153	63	315	439	498	34	169	236	268
UFT-07-34-900	70	900	605	500	340	0,50	8,0	47,2	1,2153	79	393	549	622	42	211	295	334
UFT-07-34-1000	70	1000	705	700	340	0,60	8,9	66,1	1,2153	110	551	769	871	59	296	413	468
UFT-07-34-1100	70	1100	805	700	340	0,70	9,8	66,1	1,2153	110	551	769	871	59	296	413	468
UFT-07-34-1200	70	1200	905	800	340	0,70	10,7	75,6	1,2153	126	629	879	995	68	338	472	535
UFT-07-34-1300	70	1300	1005	900	340	0,80	11,6	85,0	1,2153	142	708	989	1120	76	381	532	602
UFT-07-34-1400	70	1400	1105	1000	340	0,90	12,5	94,4	1,2153	157	787	1098	1244	85	423	590	669
UFT-07-34-1500	70	1500	1205	1100	340	1,00	13,4	103,9	1,2153	173	865	1208	1369	93	465	649	736
UFT-07-34-1600	70	1600	1305	1200	340	1,10	14,3	113,3	1,2153	189	944	1318	1493	101	507	708	803
UFT-07-34-1700	70	1700	1405	1200	340	1,20	15,2	113,3	1,2153	189	944	1318	1493	101	507	708	803
UFT-07-34-1800	70	1800	1505	1400	340	1,20	16,1	132,2	1,2153	220	1101	1538	1742	118	592	827	936
UFT-07-34-1900	70	1900	1605	1500	340	1,30	17,0	141,7	1,2153	236	1180	1648	1866	127	634	886	1003
UFT-07-34-2000	70	2000	1705	1600	340	1,40	17,9	151,1	1,2153	252	1259	1757	1991	135	677	944	1070
UFT-07-34-2100	70	2100	1805	1700	340	1,50	18,8	160,5	1,2153	267	1337	1867	2115	144	719	1004	1137
UFT-07-34-2200	70	2200	1905	1700	340	1,60	19,7	160,5	1,2153	267	1337	1867	2115	144	719	1004	1137
UFT-07-34-2300	70	2300	2005	1900	340	1,70	20,6	179,4	1,2153	299	1495	2087	2364	161	804	1122	1271
UFT-07-34-2400	70	2400	2105	1900	340	1,70	21,5	179,4	1,2153	299	1495	2087	2364	161	804	1122	1271
UFT-07-34-2500	70	2500	2205	2000	340	1,80	22,3	188,9	1,2153	315	1573	2197	2488	169	846	1181	1337
UFT-07-34-2600	70	2600	2305	2100	340	1,90	23,2	198,4	1,2153	330	1652	2307	2613	178	888	1240	1405
UFT-07-34-2700	70	2700	2405	2200	340	2,00	24,1	207,7	1,2153	346	1731	2416	2737	186	930	1299	1471
UFT-07-34-2800	70	2800	2505	2300	340	2,10	25,0	217,2	1,2153	362	1809	2526	2862	194	972	1358	1538
UFT-07-34-2900	70	2900	2605	2400	340	2,20	25,9	226,6	1,2153	378	1888	2636	2986	203	1015	1417	1605
UFT-07-34-3000	70	3000	2705	2400	340	2,20	26,8	226,6	1,2153	378	1888	2636	2986	203	1015	1417	1605
UFT-07-34-3100	70	3100	2805	2600	340	2,30	27,7	245,6	1,2153	409	2045	2856	3235	220	1099	1535	1739
UFT-07-34-3200	70	3200	2905	2700	340	2,40	28,6	255,0	1,2153	425	2124	2966	3359	228	1142	1594	1805
UFT-07-34-3300	70	3300	3005	2700	340	2,50	29,5	255,0	1,2153	425	2124	2966	3359	228	1142	1594	1805
UFT-07-34-3400	70	3400	3105	2800	340	2,60	30,4	264,4	1,2153	441	2203	3075	3484	237	1184	1653	1873
UFT-07-34-3500	70	3500	3205	2900	340	2,60	31,3	273,8	1,2153	456	2281	3185	3608	245	1226	1712	1939
UFT-07-34-3600	70	3600	3305	3100	340	2,70	32,2	292,8	1,2153	488	2439	3405	3857	262	1311	1830	2073
UFT-07-34-3700	70	3700	3405	3100	340	2,80	33,1	292,8	1,2153	488	2439	3405	3857	262	1311	1830	2073
UFT-07-34-3800	70	3800	3505	3200	340	2,90	34,0	302,2	1,2153	503	2517	3515	3981	271	1353	1889	2140
UFT-07-34-3900	70	3900	3605	3300	340	3,00	34,9	311,7	1,2153	519	2596	3625	4106	279	1395	1948	2207
UFT-07-34-4000	70	4000	3705	3400	340	3,10	35,8	321,1	1,2153	535	2675	3734	4230	288	1438	2007	2274
UFT-07-34-4100	70	4100	3805	3500	340	3,10	36,9	330,5	1,2153	551	2753	3844	4355	296	1480	2066	2341
UFT-07-34-4200	70	4200	3905	3600	340	3,20	37,8	340,0	1,2153	566	2832	3954	4479	304	1522	2125	2408
UFT-07-34-4300	70	4300	4005	3600	340	3,30	38,7	340,0	1,2153	566	2832	3954	4479	304	1522	2125	2408
UFT-07-34-4400	70	4400	4105	3800	340	3,40	39,6	358,9	1,2153	598	2989	4174	4728	321	1607	2244	2541
UFT-07-34-4500	70	4500	4205	3900	340	3,50	40,5	368,3	1,2153	614	3068	4284	4852	330	1649	2303	2608
UFT-07-34-4600	70	4600	4305	4000	340	3,60	41,4	377,7	1,2153	629	3147	4393	4977	338	1692	2361	2675
UFT-07-34-4700	70	4700	4405	4100	340	3,60	42,3	387,2	1,2153	645	3225	4503	5101	347	1733	2420	2742
UFT-07-34-4800	70	4800	4505	4100	340	3,70	43,2	387,2	1,2153	645	3225	4503	5101	347	1733	2420	2742

Zehnder Terraline Neo



Model UFT-09-17 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

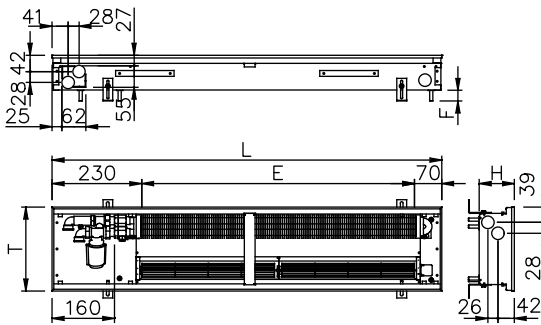
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)				Watts				Watts			
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																
UFT-09-17-800	90	800	505	400	170	0,25	4,9	34,2	1,0716	53	264	398	501	31	153	230	290								
UFT-09-17-900	90	900	605	500	170	0,30	5,5	42,8	1,0716	66	330	498	627	38	191	288	363								
UFT-09-17-1000	90	1000	705	700	170	0,35	6,1	59,9	1,0716	92	462	697	877	53	267	403	507								
UFT-09-17-1100	90	1100	805	700	170	0,40	6,7	59,9	1,0716	92	462	697	877	53	267	403	507								
UFT-09-17-1200	90	1200	905	800	170	0,45	7,3	68,5	1,0716	106	528	797	1003	61	305	461	580								
UFT-09-17-1300	90	1300	1005	900	170	0,50	7,9	77,0	1,0716	119	594	896	1128	69	344	518	652								
UFT-09-17-1400	90	1400	1105	1000	170	0,55	8,5	85,6	1,0716	132	660	996	1253	76	382	576	725								
UFT-09-17-1500	90	1500	1205	1100	170	0,60	9,1	94,1	1,0716	145	726	1095	1379	84	420	633	798								
UFT-09-17-1600	90	1600	1305	1200	170	0,65	9,7	102,7	1,0716	158	792	1195	1504	92	458	691	870								
UFT-09-17-1700	90	1700	1405	1200	170	0,70	10,3	102,7	1,0716	158	792	1195	1504	92	458	691	870								
UFT-09-17-1800	90	1800	1505	1400	170	0,75	10,9	119,9	1,0716	185	924	1394	1755	107	534	806	1015								
UFT-09-17-1900	90	1900	1605	1500	170	0,80	11,5	128,5	1,0716	198	990	1494	1880	115	573	864	1087								
UFT-09-17-2000	90	2000	1705	1600	170	0,85	12,1	137,0	1,0716	211	1056	1593	2005	122	611	921	1160								
UFT-09-17-2100	90	2100	1805	1700	170	0,90	12,7	145,6	1,0716	224	1122	1693	2131	130	649	979	1233								
UFT-09-17-2200	90	2200	1905	1700	170	0,94	13,3	145,6	1,0716	224	1122	1693	2131	130	649	979	1233								
UFT-09-17-2300	90	2300	2005	1900	170	0,99	13,9	162,7	1,0716	251	1254	1892	2381	145	725	1094	1377								
UFT-09-17-2400	90	2400	2105	1900	170	1,04	14,6	162,7	1,0716	251	1254	1892	2381	145	725	1094	1377								
UFT-09-17-2500	90	2500	2205	2000	170	1,09	15,2	171,3	1,0716	264	1320	1992	2507	153	764	1152	1450								
UFT-09-17-2600	90	2600	2305	2100	170	1,14	15,8	179,8	1,0716	277	1386	2091	2632	160	802	1210	1522								
UFT-09-17-2700	90	2700	2405	2200	170	1,19	16,4	188,4	1,0716	290	1452	2191	2757	168	840	1267	1595								
UFT-09-17-2800	90	2800	2505	2300	170	1,24	17,0	196,9	1,0716	304	1518	2290	2883	176	878	1325	1668								
UFT-09-17-2900	90	2900	2605	2400	170	1,29	17,6	205,5	1,0716	317	1584	2390	3008	183	916	1382	1740								
UFT-09-17-3000	90	3000	2705	2400	170	1,34	18,2	205,5	1,0716	317	1584	2390	3008	183	916	1382	1740								
UFT-09-17-3100	90	3100	2805	2600	170	1,39	18,8	222,6	1,0716	343	1716	2589	3259	199	993	1498	1885								
UFT-09-17-3200	90	3200	2905	2700	170	1,44	19,4	231,2	1,0716	356	1782	2689	3384	206	1031	1555	1957								
UFT-09-17-3300	90	3300	3005	2700	170	1,49	20,0	231,2	1,0716	356	1782	2689	3384	206	1031	1555	1957								
UFT-09-17-3400	90	3400	3105	2800	170	1,54	20,6	239,7	1,0716	370	1848	2788	3509	214	1069	1613	2030								
UFT-09-17-3500	90	3500	3205	2900	170	1,59	21,2	248,3	1,0716	383	1914	2888	3635	221	1107	1671	2103								
UFT-09-17-3600	90	3600	3305	3100	170	1,64	21,8	265,4	1,0716	409	2046	3087	3885	237	1184	1786	2247								
UFT-09-17-3700	90	3700	3405	3100	170	1,69	22,4	265,4	1,0716	409	2046	3087	3885	237	1184	1786	2247								
UFT-09-17-3800	90	3800	3505	3200	170	1,74	23,0	274,0	1,0716	422	2112	3187	4011	244	1222	1844	2320								
UFT-09-17-3900	90	3900	3605	3300	170	1,79	23,6	282,5	1,0716	436	2178	3286	4136	252	1260	1901	2392								
UFT-09-17-4000	90	4000	3705	3400	170	1,84	24,3	291,1	1,0716	449	2244	3386	4261	260	1298	1959	2465								
UFT-09-17-4100	90	4100	3805	3500	170	1,89	25,1	299,6	1,0716	462	2310	3485	4387	267	1336	2016	2538								
UFT-09-17-4200	90	4200	3905	3600	170	1,94	25,7	308,2	1,0716	475	2376	3585	4512	275	1374	2074	2610								
UFT-09-17-4300	90	4300	4005	3600	170	1,99	26,3	308,2	1,0716	475	2376	3585	4512	275	1374	2074	2610								
UFT-09-17-4400	90	4400	4105	3800	170	2,04	27,0	325,3	1,0716	502	2508	3784	4763	290	1451	2189	2755								
UFT-09-17-4500	90	4500	4205	3900	170	2,09	27,6	333,9	1,0716	515	2574	3884	4888	298	1489	2247	2827								
UFT-09-17-4600	90	4600	4305	4000	170	2,13	28,2	342,5	1,0716	528	2640	3983	5013	305	1527	2304	2900								
UFT-09-17-4700	90	4700	4405	4100	170	2,18	28,8	351,1	1,0716	541	2706	4083	5139	313	1565	2362	2973								
UFT-09-17-4800	90	4800	4505	4100	170	2,23	29,4	351,1	1,0716	541	2706	4083	5139	313	1565	2362	2973								

Zehnder Terraline Neo



Model UFT-09-21 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
- H = Height incl. frame
- L = Length incl. frame
- T = Depth incl. frame
- E = Heat emitter length
- LI = Total length of fans
- F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
- V = Water capacity
- M = Weight
- q_{ms} = Standard water flow
- n = Exponent
- Φ_S = Thermal output (75/65/20 °C) according to EN16430
- Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

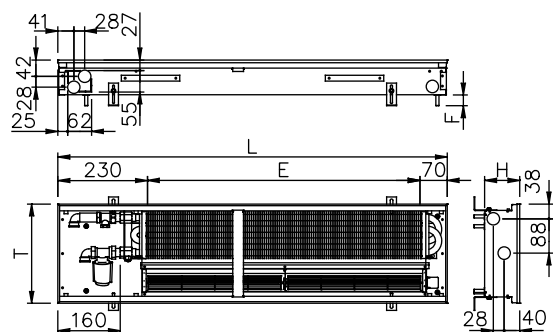
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_S = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
Watts				Watts													
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n								
UFT-09-21-800	90	800	505	400	215	0,25	5,6	43,8	1,0626	71	357	509	629	41	207	296	366
UFT-09-21-900	90	900	605	500	215	0,30	6,3	54,7	1,0626	89	446	636	786	52	259	370	457
UFT-09-21-1000	90	1000	705	700	215	0,35	7,0	76,5	1,0626	125	624	890	1101	73	363	517	640
UFT-09-21-1100	90	1100	805	700	215	0,40	7,7	76,5	1,0626	125	624	890	1101	73	363	517	640
UFT-09-21-1200	90	1200	905	800	215	0,45	8,4	87,4	1,0626	143	713	1017	1258	83	414	591	731
UFT-09-21-1300	90	1300	1005	900	215	0,50	9,1	98,4	1,0626	161	803	1145	1415	93	467	665	822
UFT-09-21-1400	90	1400	1105	1000	215	0,55	9,8	109,4	1,0626	178	892	1272	1573	104	518	739	914
UFT-09-21-1500	90	1500	1205	1100	215	0,60	10,5	120,3	1,0626	196	981	1399	1730	114	570	813	1005
UFT-09-21-1600	90	1600	1305	1200	215	0,65	11,2	131,2	1,0626	214	1070	1526	1887	124	622	887	1097
UFT-09-21-1700	90	1700	1405	1200	215	0,70	11,9	131,2	1,0626	214	1070	1526	1887	124	622	887	1097
UFT-09-21-1800	90	1800	1505	1400	215	0,75	12,6	153,0	1,0626	250	1248	1780	2202	145	725	1034	1280
UFT-09-21-1900	90	1900	1605	1500	215	0,80	13,3	164,1	1,0626	268	1338	1908	2359	156	778	1109	1371
UFT-09-21-2000	90	2000	1705	1600	215	0,85	14,0	175,0	1,0626	285	1427	2035	2516	166	829	1183	1462
UFT-09-21-2100	90	2100	1805	1700	215	0,90	14,7	185,9	1,0626	303	1516	2162	2673	176	881	1256	1553
UFT-09-21-2200	90	2200	1905	1700	215	0,94	15,4	185,9	1,0626	303	1516	2162	2673	176	881	1256	1553
UFT-09-21-2300	90	2300	2005	1900	215	0,99	16,1	207,7	1,0626	339	1694	2416	2988	197	984	1404	1736
UFT-09-21-2400	90	2400	2105	1900	215	1,04	16,8	207,7	1,0626	339	1694	2416	2988	197	984	1404	1736
UFT-09-21-2500	90	2500	2205	2000	215	1,09	17,5	218,6	1,0626	357	1783	2543	3145	207	1036	1478	1828
UFT-09-21-2600	90	2600	2305	2100	215	1,14	18,2	229,7	1,0626	375	1873	2671	3302	218	1088	1552	1919
UFT-09-21-2700	90	2700	2405	2200	215	1,19	18,9	240,6	1,0626	392	1962	2798	3460	228	1140	1626	2011
UFT-09-21-2800	90	2800	2505	2300	215	1,24	19,6	251,5	1,0626	410	2051	2925	3617	238	1192	1700	2102
UFT-09-21-2900	90	2900	2605	2400	215	1,29	20,3	262,4	1,0626	428	2140	3052	3774	249	1244	1774	2193
UFT-09-21-3000	90	3000	2705	2400	215	1,34	21,0	262,4	1,0626	428	2140	3052	3774	249	1244	1774	2193
UFT-09-21-3100	90	3100	2805	2600	215	1,39	21,7	284,3	1,0626	464	2318	3306	4089	269	1347	1921	2376
UFT-09-21-3200	90	3200	2905	2700	215	1,44	22,4	295,3	1,0626	482	2408	3434	4246	280	1399	1996	2467
UFT-09-21-3300	90	3300	3005	2700	215	1,49	23,1	295,3	1,0626	482	2408	3434	4246	280	1399	1996	2467
UFT-09-21-3400	90	3400	3105	2800	215	1,54	23,8	306,2	1,0626	499	2497	3561	4403	290	1451	2069	2559
UFT-09-21-3500	90	3500	3205	2900	215	1,59	24,5	317,1	1,0626	517	2586	3688	4560	301	1503	2143	2650
UFT-09-21-3600	90	3600	3305	3100	215	1,64	25,2	338,9	1,0626	553	2764	3942	4875	321	1606	2291	2833
UFT-09-21-3700	90	3700	3405	3100	215	1,69	25,9	338,9	1,0626	553	2764	3942	4875	321	1606	2291	2833
UFT-09-21-3800	90	3800	3505	3200	215	1,74	26,6	349,9	1,0626	571	2853	4069	5032	332	1658	2365	2924
UFT-09-21-3900	90	3900	3605	3300	215	1,79	27,3	360,9	1,0626	589	2943	4197	5189	342	1710	2439	3015
UFT-09-21-4000	90	4000	3705	3400	215	1,84	28,0	371,8	1,0626	606	3032	4324	5347	352	1762	2513	3107
UFT-09-21-4100	90	4100	3805	3500	215	1,89	28,7	382,7	1,0626	624	3121	4451	5504	363	1814	2587	3198
UFT-09-21-4200	90	4200	3905	3600	215	1,94	29,4	393,6	1,0626	642	3210	4578	5661	373	1865	2660	3290
UFT-09-21-4300	90	4300	4005	3600	215	1,99	30,1	393,6	1,0626	642	3210	4578	5661	373	1865	2660	3290
UFT-09-21-4400	90	4400	4105	3800	215	2,04	30,8	415,5	1,0626	678	3388	4832	5976	394	1969	2808	3473
UFT-09-21-4500	90	4500	4205	3900	215	2,09	31,5	426,5	1,0626	696	3478	4960	6133	404	2021	2882	3564
UFT-09-21-4600	90	4600	4305	4000	215	2,13	32,2	437,4	1,0626	713	3567	5087	6290	415	2073	2956	3655
UFT-09-21-4700	90	4700	4405	4100	215	2,18	32,9	448,3	1,0626	731	3656	5214	6447	425	2125	3030	3746
UFT-09-21-4800	90	4800	4505	4100	215	2,23	33,6	448,3	1,0626	731	3656	5214	6447	425	2125	3030	3746

Zehnder Terraline Neo



Model UFT-09-25 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

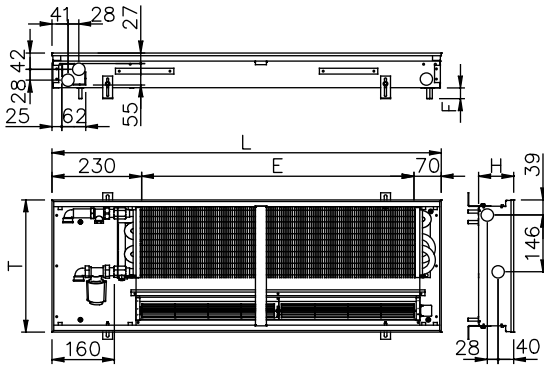
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts											
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																	
UFT-09-25-800	90	800	505	400	255	0,50	7,2	57,6	1,0411	88	440	670	866	52	259	394	509								
UFT-09-25-900	90	900	605	500	255	0,60	8,0	72,1	1,0411	110	550	838	1083	65	323	492	636								
UFT-09-25-1000	90	1000	705	700	255	0,70	8,9	100,9	1,0411	154	771	1173	1516	91	453	689	891								
UFT-09-25-1100	90	1100	805	700	255	0,80	9,8	100,9	1,0411	154	771	1173	1516	91	453	689	891								
UFT-09-25-1200	90	1200	905	800	255	0,90	10,7	115,2	1,0411	176	881	1340	1732	104	518	787	1018								
UFT-09-25-1300	90	1300	1005	900	255	1,00	11,6	129,7	1,0411	198	991	1508	1949	116	582	886	1145								
UFT-09-25-1400	90	1400	1105	1000	255	1,10	12,5	144,0	1,0411	220	1101	1675	2165	129	647	984	1272								
UFT-09-25-1500	90	1500	1205	1100	255	1,20	13,4	158,5	1,0411	242	1211	1843	2382	142	712	1083	1400								
UFT-09-25-1600	90	1600	1305	1200	255	1,30	14,3	172,8	1,0411	264	1321	2010	2598	155	776	1181	1526								
UFT-09-25-1700	90	1700	1405	1200	255	1,40	15,2	172,8	1,0411	264	1321	2010	2598	155	776	1181	1526								
UFT-09-25-1800	90	1800	1505	1400	255	1,50	16,1	201,6	1,0411	308	1541	2345	3031	181	905	1378	1781								
UFT-09-25-1900	90	1900	1605	1500	255	1,60	17,0	216,1	1,0411	330	1651	2513	3248	194	970	1476	1908								
UFT-09-25-2000	90	2000	1705	1600	255	1,70	17,9	230,4	1,0411	352	1761	2680	3464	207	1035	1575	2035								
UFT-09-25-2500	90	2100	1805	1700	255	1,80	18,8	244,9	1,0411	374	1871	2848	3681	220	1099	1673	2163								
UFT-09-25-2200	90	2200	1905	1700	255	1,90	19,7	244,9	1,0411	374	1871	2848	3681	220	1099	1673	2163								
UFT-09-25-2300	90	2300	2005	1900	255	2,00	20,6	273,7	1,0411	418	2092	3183	4114	246	1229	1870	2417								
UFT-09-25-2400	90	2400	2105	1900	255	2,10	21,5	273,7	1,0411	418	2092	3183	4114	246	1229	1870	2417								
UFT-09-25-2500	90	2500	2205	2000	255	2,20	22,3	288,0	1,0411	440	2202	3350	4330	259	1294	1968	2544								
UFT-09-25-2600	90	2600	2305	2100	255	2,30	23,2	302,5	1,0411	462	2312	3518	4547	272	1358	2067	2672								
UFT-09-25-2700	90	2700	2405	2200	255	2,40	24,1	316,8	1,0411	484	2422	3685	4763	285	1423	2165	2798								
UFT-09-25-2800	90	2800	2505	2300	255	2,50	25,0	331,3	1,0411	506	2532	3853	4980	298	1488	2264	2926								
UFT-09-25-2900	90	2900	2605	2400	255	2,60	25,9	345,6	1,0411	528	2642	4020	5196	310	1552	2362	3053								
UFT-09-25-3000	90	3000	2705	2400	255	2,70	26,8	345,6	1,0411	528	2642	4020	5196	310	1552	2362	3053								
UFT-09-25-3100	90	3100	2805	2600	255	2,80	27,7	374,4	1,0411	572	2862	4355	5629	336	1682	2559	3307								
UFT-09-25-3200	90	3200	2905	2700	255	2,90	28,6	388,9	1,0411	594	2972	4523	5846	349	1746	2657	3435								
UFT-09-25-3300	90	3300	3005	2700	255	3,00	29,5	388,9	1,0411	594	2972	4523	5846	349	1746	2657	3435								
UFT-09-25-3400	90	3400	3105	2800	255	3,10	30,4	403,2	1,0411	616	3082	4690	6062	362	1811	2756	3562								
UFT-09-25-3500	90	3500	3205	2900	255	3,20	31,3	417,7	1,0411	638	3192	4858	6279	375	1875	2854	3689								
UFT-09-25-3600	90	3600	3305	3100	255	3,30	32,2	446,5	1,0411	683	3413	5193	6712	401	2005	3051	3944								
UFT-09-25-3700	90	3700	3405	3100	255	3,40	33,1	446,5	1,0411	683	3413	5193	6712	401	2005	3051	3944								
UFT-09-25-3800	90	3800	3505	3200	255	3,50	34,0	460,9	1,0411	705	3523	5360	6928	414	2070	3149	4070								
UFT-09-25-3900	90	3900	3605	3300	255	3,60	34,9	475,3	1,0411	727	3633	5528	7145	427	2135	3248	4198								
UFT-09-25-4000	90	4000	3705	3400	255	3,70	35,8	489,7	1,0411	749	3743	5695	7361	440	2199	3346	4325								
UFT-09-25-4100	90	4100	3805	3500	255	3,80	36,9	504,1	1,0411	771	3853	5863	7578	453	2264	3445	4452								
UFT-09-25-4200	90	4200	3905	3600	255	3,90	37,8	518,5	1,0411	793	3963	6030	7794	466	2328	3543	4579								
UFT-09-25-4300	90	4300	4005	3600	255	4,00	38,7	518,5	1,0411	793	3963	6030	7794	466	2328	3543	4579								
UFT-09-25-4400	90	4400	4105	3800	255	4,10	39,6	547,3	1,0411	837	4183	6365	8227	492	2458	3740	4834								
UFT-09-25-4500	90	4500	4205	3900	255	4,20	40,5	561,7	1,0411	859	4293	6533	8444	504	2522	3838	4961								
UFT-09-25-4600	90	4600	4305	4000	255	4,30	41,4	576,1	1,0411	881	4403	6700	8660	517	2587	3936	5088								
UFT-09-25-4700	90	4700	4405	4100	255	4,40	42,3	590,5	1,0411	903	4513	6868	8877	530	2652	4035	5216								
UFT-09-25-4800	90	4800	4505	4100	255	4,50	43,2	590,5	1,0411	903	4513	6868	8877	530	2652	4035	5216								

Zehnder Terraline Neo



Model UFT-09-34 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

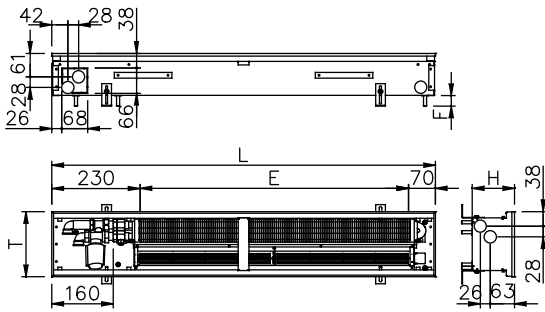
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts				Watts				
UFT-09-34-800	90	800	505	400	340	0,80	9,3	65,9	1,0272	103	516	766	950	61	305	453	562
UFT-09-34-900	90	900	605	500	340	0,90	10,5	82,4	1,0272	129	645	958	1188	76	382	567	703
UFT-09-34-1000	90	1000	705	700	340	1,00	11,6	115,3	1,0272	181	904	1341	1663	107	535	793	984
UFT-09-34-1100	90	1100	805	700	340	1,10	12,8	115,3	1,0272	181	904	1341	1663	107	535	793	984
UFT-09-34-1200	90	1200	905	800	340	1,20	14,0	131,7	1,0272	207	1033	1532	1901	122	611	907	1125
UFT-09-34-1300	90	1300	1005	900	340	1,30	15,1	148,2	1,0272	232	1162	1724	2138	138	688	1020	1265
UFT-09-34-1400	90	1400	1105	1000	340	1,40	16,3	164,7	1,0272	258	1291	1915	2376	153	764	1133	1406
UFT-09-34-1500	90	1500	1205	1100	340	1,50	17,4	181,2	1,0272	284	1420	2107	2613	168	840	1247	1546
UFT-09-34-1600	90	1600	1305	1200	340	1,60	18,6	197,6	1,0272	310	1549	2298	2851	183	917	1360	1687
UFT-09-34-1700	90	1700	1405	1200	340	1,70	19,8	197,6	1,0272	310	1549	2298	2851	183	917	1360	1687
UFT-09-34-1800	90	1800	1505	1400	340	1,80	20,9	230,5	1,0272	361	1807	2681	3326	214	1069	1586	1968
UFT-09-34-1900	90	1900	1605	1500	340	1,90	22,1	247,0	1,0272	387	1936	2873	3564	229	1146	1700	2109
UFT-09-34-2000	90	2000	1705	1600	340	2,00	23,3	263,4	1,0272	413	2065	3064	3801	244	1222	1813	2249
UFT-09-34-2100	90	2100	1805	1700	340	2,10	24,4	280,0	1,0272	439	2194	3256	4039	260	1298	1927	2390
UFT-09-34-2200	90	2200	1905	1700	340	2,20	25,6	280,0	1,0272	439	2194	3256	4039	260	1298	1927	2390
UFT-09-34-2300	90	2300	2005	1900	340	2,30	26,7	312,9	1,0272	491	2453	3639	4514	290	1451	2153	2671
UFT-09-34-2400	90	2400	2105	1900	340	2,40	27,9	312,9	1,0272	491	2453	3639	4514	290	1451	2153	2671
UFT-09-34-2500	90	2500	2205	2000	340	2,50	29,1	329,3	1,0272	516	2582	3830	4752	306	1528	2266	2812
UFT-09-34-2600	90	2600	2305	2100	340	2,60	30,2	345,8	1,0272	542	2711	4022	4989	321	1604	2380	2952
UFT-09-34-2700	90	2700	2405	2200	340	2,70	31,4	362,2	1,0272	568	2840	4213	5227	336	1680	2493	3093
UFT-09-34-2800	90	2800	2505	2300	340	2,80	32,6	378,7	1,0272	594	2969	4405	5464	351	1757	2607	3233
UFT-09-34-2900	90	2900	2605	2400	340	2,90	33,7	395,2	1,0272	620	3098	4596	5702	367	1833	2720	3374
UFT-09-34-3000	90	3000	2705	2400	340	3,00	34,9	395,2	1,0272	620	3098	4596	5702	367	1833	2720	3374
UFT-09-34-3100	90	3100	2805	2600	340	3,10	36,0	428,1	1,0272	671	3356	4979	6177	397	1986	2946	3655
UFT-09-34-3200	90	3200	2905	2700	340	3,20	37,2	444,6	1,0272	697	3485	5171	6415	412	2062	3060	3796
UFT-09-34-3300	90	3300	3005	2700	340	3,30	38,4	444,6	1,0272	697	3485	5171	6415	412	2062	3060	3796
UFT-09-34-3400	90	3400	3105	2800	340	3,40	39,5	461,0	1,0272	723	3614	5362	6652	428	2138	3173	3936
UFT-09-34-3500	90	3500	3205	2900	340	3,50	40,7	477,5	1,0272	749	3743	5554	6890	443	2215	3286	4077
UFT-09-34-3600	90	3600	3305	3100	340	3,60	41,9	510,5	1,0272	800	4002	5937	7365	474	2368	3513	4358
UFT-09-34-3700	90	3700	3405	3100	340	3,70	43,0	510,5	1,0272	800	4002	5937	7365	474	2368	3513	4358
UFT-09-34-3800	90	3800	3505	3200	340	3,80	44,2	526,9	1,0272	826	4131	6128	7603	489	2444	3626	4499
UFT-09-34-3900	90	3900	3605	3300	340	3,90	45,3	543,4	1,0272	852	4260	6320	7840	504	2521	3740	4639
UFT-09-34-4000	90	4000	3705	3400	340	4,00	46,5	559,8	1,0272	878	4389	6511	8078	519	2597	3853	4780
UFT-09-34-4100	90	4100	3805	3500	340	4,10	47,7	576,3	1,0272	904	4518	6703	8315	535	2673	3966	4920
UFT-09-34-4200	90	4200	3905	3600	340	4,20	48,8	592,7	1,0272	929	4647	6894	8553	550	2750	4079	5061
UFT-09-34-4300	90	4300	4005	3600	340	4,30	50,0	592,7	1,0272	929	4647	6894	8553	550	2750	4079	5061
UFT-09-34-4400	90	4400	4105	3800	340	4,40	51,2	625,7	1,0272	981	4905	7277	9028	580	2902	4306	5342
UFT-09-34-4500	90	4500	4205	3900	340	4,50	52,3	642,2	1,0272	1007	5034	7469	9266	596	2979	4420	5483
UFT-09-34-4600	90	4600	4305	4000	340	4,60	53,5	658,6	1,0272	1033	5163	7660	9503	611	3055	4533	5623
UFT-09-34-4700	90	4700	4405	4100	340	4,70	54,6	675,1	1,0272	1058	5292	7852	9741	626	3131	4646	5764
UFT-09-34-4800	90	4800	4505	4100	340	4,80	55,8	675,1	1,0272	1058	5292	7852	9741	626	3131	4646	5764

Zehnder Terraline Neo



Model UFT-11-17 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

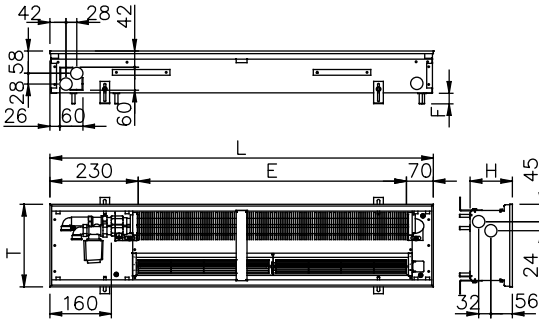
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)				Watts				Watts			
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																
UFT-11-17-800	110	800	505	400	170	0,25	5,3	33,4	1,0844	50	252	388	468	29	145	223	269								
UFT-11-17-900	110	900	605	500	170	0,30	5,9	41,7	1,0844	63	315	485	585	36	181	279	336								
UFT-11-17-1000	110	1000	705	700	170	0,35	6,6	58,4	1,0844	88	442	679	819	51	254	390	471								
UFT-11-17-1100	110	1100	805	700	170	0,40	7,2	58,4	1,0844	88	442	679	819	51	254	390	471								
UFT-11-17-1200	110	1200	905	800	170	0,45	7,9	66,7	1,0844	101	505	776	936	58	290	446	538								
UFT-11-17-1300	110	1300	1005	900	170	0,50	8,5	75,1	1,0844	114	568	873	1053	65	326	502	605								
UFT-11-17-1400	110	1400	1105	1000	170	0,55	9,2	83,4	1,0844	126	631	970	1170	73	363	557	672								
UFT-11-17-1500	110	1500	1205	1100	170	0,60	9,8	91,7	1,0844	139	694	1067	1287	80	399	613	740								
UFT-11-17-1600	110	1600	1305	1200	170	0,65	10,5	100,1	1,0844	151	757	1164	1404	87	435	669	807								
UFT-11-17-1700	110	1700	1405	1200	170	0,70	11,2	100,1	1,0844	151	757	1164	1404	87	435	669	807								
UFT-11-17-1800	110	1800	1505	1400	170	0,75	11,8	116,8	1,0844	177	883	1358	1638	101	507	780	941								
UFT-11-17-1900	110	1900	1605	1500	170	0,80	12,5	125,1	1,0844	189	946	1455	1755	109	544	836	1009								
UFT-11-17-2000	110	2000	1705	1600	170	0,85	13,1	133,4	1,0844	202	1009	1552	1872	116	580	892	1076								
UFT-11-17-2100	110	2100	1805	1700	170	0,90	13,8	141,8	1,0844	214	1072	1649	1989	123	616	948	1143								
UFT-11-17-2200	110	2200	1905	1700	170	0,94	14,4	141,8	1,0844	214	1072	1649	1989	123	616	948	1143								
UFT-11-17-2300	110	2300	2005	1900	170	0,99	15,1	158,5	1,0844	240	1199	1843	2223	138	689	1059	1278								
UFT-11-17-2400	110	2400	2105	1900	170	1,04	15,8	158,5	1,0844	240	1199	1843	2223	138	689	1059	1278								
UFT-11-17-2500	110	2500	2205	2000	170	1,09	16,4	166,8	1,0844	252	1262	1940	2340	145	725	1115	1345								
UFT-11-17-2600	110	2600	2305	2100	170	1,14	17,1	175,1	1,0844	265	1325	2037	2457	152	761	1171	1412								
UFT-11-17-2700	110	2700	2405	2200	170	1,19	17,7	183,5	1,0844	278	1388	2134	2574	160	798	1226	1479								
UFT-11-17-2800	110	2800	2505	2300	170	1,24	18,4	191,8	1,0844	290	1451	2231	2691	167	834	1282	1546								
UFT-11-17-2900	110	2900	2605	2400	170	1,29	19,0	200,2	1,0844	303	1514	2328	2808	174	870	1338	1614								
UFT-11-17-3000	110	3000	2705	2400	170	1,34	19,7	200,2	1,0844	303	1514	2328	2808	174	870	1338	1614								
UFT-11-17-3100	110	3100	2805	2600	170	1,39	20,3	216,8	1,0844	328	1640	2522	3042	188	942	1449	1748								
UFT-11-17-3200	110	3200	2905	2700	170	1,44	21,0	225,2	1,0844	341	1703	2619	3159	196	979	1505	1815								
UFT-11-17-3300	110	3300	3005	2700	170	1,49	21,7	225,2	1,0844	341	1703	2619	3159	196	979	1505	1815								
UFT-11-17-3400	110	3400	3105	2800	170	1,54	22,3	233,5	1,0844	353	1766	2716	3276	203	1015	1561	1883								
UFT-11-17-3500	110	3500	3205	2900	170	1,59	23,0	241,9	1,0844	366	1829	2813	3393	210	1051	1617	1950								
UFT-11-17-3600	110	3600	3305	3100	170	1,64	23,6	258,5	1,0844	391	1956	3007	3627	225	1124	1728	2084								
UFT-11-17-3700	110	3700	3405	3100	170	1,69	24,3	258,5	1,0844	391	1956	3007	3627	225	1124	1728	2084								
UFT-11-17-3800	110	3800	3505	3200	170	1,74	24,9	266,9	1,0844	404	2019	3104	3744	232	1160	1784	2152								
UFT-11-17-3900	110	3900	3605	3300	170	1,79	25,6	275,2	1,0844	416	2082	3201	3861	239	1196	1840	2219								
UFT-11-17-4000	110	4000	3705	3400	170	1,84	26,3	283,6	1,0844	429	2145	3298	3978	247	1233	1895	2286								
UFT-11-17-4100	110	4100	3805	3500	170	1,89	27,2	291,9	1,0844	442	2208	3395	4095	254	1269	1951	2353								
UFT-11-17-4200	110	4200	3905	3600	170	1,94	27,8	300,2	1,0844	454	2271	3492	4212	261	1305	2007	2421								
UFT-11-17-4300	110	4300	4005	3600	170	1,99	28,5	300,2	1,0844	454	2271	3492	4212	261	1305	2007	2421								
UFT-11-17-4400	110	4400	4105	3800	170	2,04	29,2	316,9	1,0844	479	2397	3686	4446	276	1378	2118	2555								
UFT-11-17-4500	110	4500	4205	3900	170	2,09	29,8	325,3	1,0844	492	2460	3783	4563	283	1414	2174	2622								
UFT-11-17-4600	110	4600	4305	4000	170	2,13	30,5	333,6	1,0844	505	2523	3880	4680	290	1450	2230	2690								
UFT-11-17-4700	110	4700	4405	4100	170	2,18	31,1	341,9	1,0844	517	2586	3977	4797	297	1486	2286	2757								
UFT-11-17-4800	110	4800	4505	4100	170	2,23	31,8	341,9	1,0844	517	2586	3977	4797	297	1486	2286	2757								

Zehnder Terraline Neo



Model UFT-11-21 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

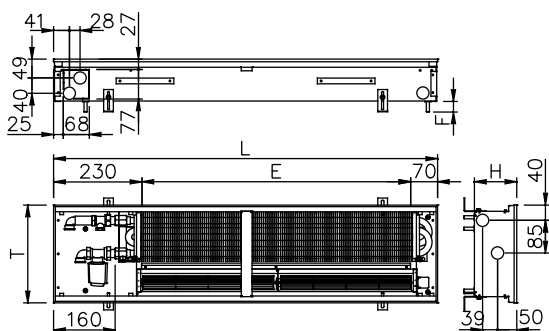
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille																	
Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts				Watts			
UFT-11-21-800	110	800	505	400	215	0,25	5,8	47,0	1,0653	77	386	547	670	45	224	317	389
UFT-11-21-900	110	900	605	500	215	0,30	6,5	58,8	1,0653	97	483	684	838	56	280	397	486
UFT-11-21-1000	110	1000	705	700	215	0,35	7,3	82,4	1,0653	135	676	958	1173	78	392	556	681
UFT-11-21-1100	110	1100	805	700	215	0,40	8,0	82,4	1,0653	135	676	958	1173	78	392	556	681
UFT-11-21-1200	110	1200	905	800	215	0,45	8,7	94,1	1,0653	154	772	1095	1341	90	448	635	778
UFT-11-21-1300	110	1300	1005	900	215	0,50	9,4	105,9	1,0653	174	869	1232	1508	101	504	715	875
UFT-11-21-1400	110	1400	1105	1000	215	0,55	10,2	117,6	1,0653	193	965	1368	1676	112	560	794	973
UFT-11-21-1500	110	1500	1205	1100	215	0,60	10,9	129,4	1,0653	212	1062	1505	1843	123	616	873	1070
UFT-11-21-1600	110	1600	1305	1200	215	0,65	11,6	141,2	1,0653	232	1158	1642	2011	134	672	953	1167
UFT-11-21-1700	110	1700	1405	1200	215	0,70	12,3	141,2	1,0653	232	1158	1642	2011	134	672	953	1167
UFT-11-21-1800	110	1800	1505	1400	215	0,75	13,1	164,7	1,0653	270	1351	1916	2346	157	784	1112	1361
UFT-11-21-1900	110	1900	1605	1500	215	0,80	13,8	176,5	1,0653	290	1448	2053	2514	168	840	1191	1459
UFT-11-21-2000	110	2000	1705	1600	215	0,85	14,5	188,2	1,0653	309	1544	2189	2681	179	896	1270	1556
UFT-11-21-2100	110	2100	1805	1700	215	0,90	15,2	200,0	1,0653	328	1641	2326	2849	190	952	1350	1653
UFT-11-21-2200	110	2200	1905	1700	215	0,94	16,0	200,0	1,0653	328	1641	2326	2849	190	952	1350	1653
UFT-11-21-2300	110	2300	2005	1900	215	0,99	16,7	223,5	1,0653	367	1834	2600	3184	213	1064	1509	1848
UFT-11-21-2400	110	2400	2105	1900	215	1,04	17,4	223,5	1,0653	367	1834	2600	3184	213	1064	1509	1848
UFT-11-21-2500	110	2500	2205	2000	215	1,09	18,1	235,3	1,0653	386	1930	2737	3352	224	1120	1588	1945
UFT-11-21-2600	110	2600	2305	2100	215	1,14	18,9	247,1	1,0653	405	2027	2874	3519	235	1176	1668	2042
UFT-11-21-2700	110	2700	2405	2200	215	1,19	19,6	258,8	1,0653	425	2123	3010	3687	246	1232	1747	2140
UFT-11-21-2800	110	2800	2505	2300	215	1,24	20,3	270,6	1,0653	444	2220	3147	3854	258	1288	1826	2237
UFT-11-21-2900	110	2900	2605	2400	215	1,29	21,0	282,4	1,0653	463	2316	3284	4022	269	1344	1906	2334
UFT-11-21-3000	110	3000	2705	2400	215	1,34	21,8	282,4	1,0653	463	2316	3284	4022	269	1344	1906	2334
UFT-11-21-3100	110	3100	2805	2600	215	1,39	22,5	305,9	1,0653	502	2509	3558	4357	291	1456	2065	2528
UFT-11-21-3200	110	3200	2905	2700	215	1,44	23,2	317,7	1,0653	521	2606	3695	4525	302	1512	2144	2626
UFT-11-21-3300	110	3300	3005	2700	215	1,49	23,9	317,7	1,0653	521	2606	3695	4525	302	1512	2144	2626
UFT-11-21-3400	110	3400	3105	2800	215	1,54	24,7	329,4	1,0653	540	2702	3831	4692	314	1568	2223	2723
UFT-11-21-3500	110	3500	3205	2900	215	1,59	25,4	341,2	1,0653	560	2799	3968	4860	325	1624	2303	2820
UFT-11-21-3600	110	3600	3305	3100	215	1,64	26,1	364,7	1,0653	598	2992	4242	5195	347	1736	2462	3015
UFT-11-21-3700	110	3700	3405	3100	215	1,69	26,8	364,7	1,0653	598	2992	4242	5195	347	1736	2462	3015
UFT-11-21-3800	110	3800	3505	3200	215	1,74	27,6	376,5	1,0653	618	3088	4379	5363	358	1792	2541	3112
UFT-11-21-3900	110	3900	3605	3300	215	1,79	28,3	388,3	1,0653	637	3185	4516	5530	370	1848	2621	3209
UFT-11-21-4000	110	4000	3705	3400	215	1,84	29,0	400,0	1,0653	656	3281	4652	5698	381	1904	2700	3307
UFT-11-21-4100	110	4100	3805	3500	215	1,89	29,7	411,8	1,0653	676	3378	4789	5865	392	1960	2779	3404
UFT-11-21-4200	110	4200	3905	3600	215	1,94	30,5	423,5	1,0653	695	3474	4926	6033	403	2016	2859	3501
UFT-11-21-4300	110	4300	4005	3600	215	1,99	31,2	423,5	1,0653	695	3474	4926	6033	403	2016	2859	3501
UFT-11-21-4400	110	4400	4105	3800	215	2,04	31,9	447,1	1,0653	733	3667	5200	6368	426	2128	3018	3695
UFT-11-21-4500	110	4500	4205	3900	215	2,09	32,6	458,9	1,0653	753	3764	5337	6536	437	2184	3097	3793
UFT-11-21-4600	110	4600	4305	4000	215	2,13	33,4	470,6	1,0653	772	3860	5473	6703	448	2240	3176	3890
UFT-11-21-4700	110	4700	4405	4100	215	2,18	34,1	482,4	1,0653	791	3957	5610	6871	459	2296	3256	3987
UFT-11-21-4800	110	4800	4505	4100	215	2,23	34,8	482,4	1,0653	791	3957	5610	6871	459	2296	3256	3987

Zehnder Terraline Neo



Model UFT-11-25 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

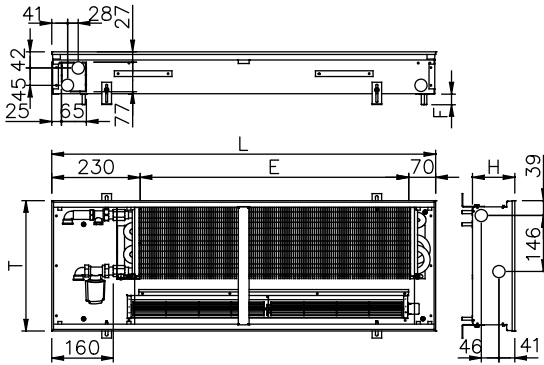
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts											
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																	
UFT-11-25-800	110	800	505	400	255	0,50	7,5	72,0	1,0177	113	566	837	1059	67	336	498	630								
UFT-11-25-900	110	900	605	500	255	0,60	8,4	89,9	1,0177	142	708	1046	1324	84	421	622	787								
UFT-11-25-1000	110	1000	705	700	255	0,70	9,4	125,9	1,0177	198	991	1464	1853	118	589	870	1102								
UFT-11-25-1100	110	1100	805	700	255	0,80	10,3	125,9	1,0177	198	991	1464	1853	118	589	870	1102								
UFT-11-25-1200	110	1200	905	800	255	0,90	11,3	143,8	1,0177	227	1133	1673	2118	135	674	995	1259								
UFT-11-25-1300	110	1300	1005	900	255	1,00	12,2	161,9	1,0177	255	1274	1883	2383	152	758	1120	1417								
UFT-11-25-1400	110	1400	1105	1000	255	1,10	13,1	179,9	1,0177	283	1416	2092	2648	168	842	1244	1574								
UFT-11-25-1500	110	1500	1205	1100	255	1,20	14,1	197,8	1,0177	311	1557	2301	2912	185	926	1368	1731								
UFT-11-25-1600	110	1600	1305	1200	255	1,30	15,0	215,8	1,0177	340	1699	2510	3177	202	1010	1492	1889								
UFT-11-25-1700	110	1700	1405	1200	255	1,40	15,9	215,8	1,0177	340	1699	2510	3177	202	1010	1492	1889								
UFT-11-25-1800	110	1800	1505	1400	255	1,50	16,9	251,8	1,0177	396	1982	2928	3707	236	1178	1741	2204								
UFT-11-25-1900	110	1900	1605	1500	255	1,60	17,8	269,8	1,0177	425	2124	3138	3971	253	1263	1866	2361								
UFT-11-25-2000	110	2000	1705	1600	255	1,70	18,8	287,8	1,0177	453	2265	3347	4236	269	1347	1990	2519								
UFT-11-25-2100	110	2100	1805	1700	255	1,80	19,7	305,7	1,0177	481	2407	3556	4501	286	1431	2114	2676								
UFT-11-25-2200	110	2200	1905	1700	255	1,90	20,6	305,7	1,0177	481	2407	3556	4501	286	1431	2114	2676								
UFT-11-25-2300	110	2300	2005	1900	255	2,00	21,6	341,7	1,0177	538	2690	3974	5030	320	1599	2363	2991								
UFT-11-25-2400	110	2400	2105	1900	255	2,10	22,5	341,7	1,0177	538	2690	3974	5030	320	1599	2363	2991								
UFT-11-25-2500	110	2500	2205	2000	255	2,20	23,4	359,7	1,0177	566	2832	4183	5295	337	1684	2487	3148								
UFT-11-25-2600	110	2600	2305	2100	255	2,30	24,4	377,7	1,0177	595	2973	4393	5560	354	1768	2612	3306								
UFT-11-25-2700	110	2700	2405	2200	255	2,40	25,3	395,7	1,0177	623	3115	4602	5825	370	1852	2736	3464								
UFT-11-25-2800	110	2800	2505	2300	255	2,50	26,3	413,7	1,0177	651	3256	4811	6089	387	1936	2861	3621								
UFT-11-25-2900	110	2900	2605	2400	255	2,60	27,2	431,6	1,0177	680	3398	5020	6354	404	2020	2985	3778								
UFT-11-25-3000	110	3000	2705	2400	255	2,70	28,1	431,6	1,0177	680	3398	5020	6354	404	2020	2985	3778								
UFT-11-25-3100	110	3100	2805	2600	255	2,80	29,1	467,6	1,0177	736	3681	5438	6884	438	2189	3233	4093								
UFT-11-25-3200	110	3200	2905	2700	255	2,90	30,0	485,6	1,0177	765	3823	5648	7148	455	2273	3358	4250								
UFT-11-25-3300	110	3300	3005	2700	255	3,00	30,9	485,6	1,0177	765	3823	5648	7148	455	2273	3358	4250								
UFT-11-25-3400	110	3400	3105	2800	255	3,10	31,9	503,6	1,0177	793	3964	5857	7413	471	2357	3483	4408								
UFT-11-25-3500	110	3500	3205	2900	255	3,20	32,8	521,6	1,0177	821	4106	6066	7678	488	2441	3607	4565								
UFT-11-25-3600	110	3600	3305	3100	255	3,30	33,8	557,5	1,0177	878	4389	6484	8207	522	2610	3855	4880								
UFT-11-25-3700	110	3700	3405	3100	255	3,40	34,7	557,5	1,0177	878	4389	6484	8207	522	2610	3855	4880								
UFT-11-25-3800	110	3800	3505	3200	255	3,50	35,6	575,5	1,0177	906	4531	6693	8472	539	2694	3980	5037								
UFT-11-25-3900	110	3900	3605	3300	255	3,60	36,6	593,5	1,0177	934	4672	6903	8737	556	2778	4105	5195								
UFT-11-25-4000	110	4000	3705	3400	255	3,70	37,5	611,5	1,0177	963	4814	7112	9002	572	2862	4229	5353								
UFT-11-25-4100	110	4100	3805	3500	255	3,80	38,4	629,5	1,0177	991	4955	7321	9266	589	2946	4353	5510								
UFT-11-25-4200	110	4200	3905	3600	255	3,90	39,4	647,4	1,0177	1019	5097	7530	9531	606	3031	4477	5667								
UFT-11-25-4300	110	4300	4005	3600	255	4,00	40,3	647,4	1,0177	1019	5097	7530	9531	606	3031	4477	5667								
UFT-11-25-4400	110	4400	4105	3800	255	4,10	41,3	683,4	1,0177	1076	5380	7948	10061	640	3199	4726	5982								
UFT-11-25-4500	110	4500	4205	3900	255	4,20	42,2	701,4	1,0177	1104	5522	8158	10325	657	3283	4851	6139								
UFT-11-25-4600	110	4600	4305	4000	255	4,30	43,1	719,4	1,0177	1133	5663	8367	10590	673	3367	4975	6297								
UFT-11-25-4700	110	4700	4405	4100	255	4,40	44,1	737,4	1,0177	1161	5805	8576	10855	690	3452	5099	6454								
UFT-11-25-4800	110	4800	4505	4100	255	4,50	45,0	737,4	1,0177	1161	5805	8576	10855	690	3452	5099	6454								

Zehnder Terraline Neo

Model UFT-11-34 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

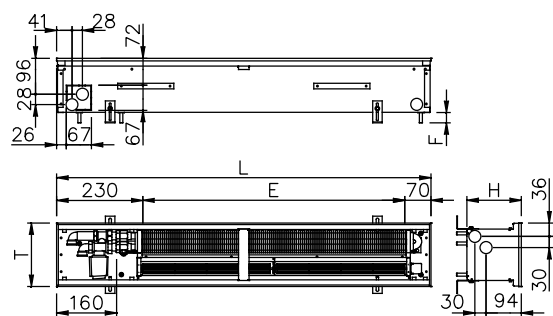
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille																	
Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n	Watts				Watts			
UFT-11-34-800	110	800	505	400	340	0,80	9,7	72,7	1,0879	113	595	845	1028	68	341	485	590
UFT-11-34-900	110	900	605	500	340	0,90	10,9	90,9	1,0879	141	744	1057	1285	85	427	606	737
UFT-11-34-1000	110	1000	705	700	340	1,00	12,1	127,2	1,0879	198	1042	1479	1799	120	598	848	1032
UFT-11-34-1100	110	1100	805	700	340	1,10	13,3	127,2	1,0879	198	1042	1479	1799	120	598	848	1032
UFT-11-34-1200	110	1200	905	800	340	1,20	14,5	145,4	1,0879	226	1191	1691	2056	137	683	970	1179
UFT-11-34-1300	110	1300	1005	900	340	1,30	15,7	163,5	1,0879	255	1340	1902	2313	154	769	1091	1327
UFT-11-34-1400	110	1400	1105	1000	340	1,40	16,9	181,7	1,0879	283	1488	2113	2570	171	854	1212	1474
UFT-11-34-1500	110	1500	1205	1100	340	1,50	18,1	199,9	1,0879	311	1637	2325	2827	188	939	1334	1622
UFT-11-34-1600	110	1600	1305	1200	340	1,60	19,3	218,0	1,0879	339	1786	2536	3084	205	1025	1455	1769
UFT-11-34-1700	110	1700	1405	1200	340	1,70	20,5	218,0	1,0879	339	1786	2536	3084	205	1025	1455	1769
UFT-11-34-1800	110	1800	1505	1400	340	1,80	21,7	254,4	1,0879	396	2084	2959	3598	239	1195	1697	2064
UFT-11-34-1900	110	1900	1605	1500	340	1,90	22,9	272,6	1,0879	424	2233	3170	3855	256	1281	1818	2211
UFT-11-34-2000	110	2000	1705	1600	340	2,00	24,1	290,7	1,0879	452	2381	3381	4112	273	1366	1940	2359
UFT-11-34-2100	110	2100	1805	1700	340	2,10	25,3	308,9	1,0879	481	2530	3593	4369	290	1451	2061	2506
UFT-11-34-2200	110	2200	1905	1700	340	2,20	26,5	308,9	1,0879	481	2530	3593	4369	290	1451	2061	2506
UFT-11-34-2300	110	2300	2005	1900	340	2,30	27,7	345,2	1,0879	537	2828	4015	4883	324	1622	2303	2801
UFT-11-34-2400	110	2400	2105	1900	340	2,40	29,0	345,2	1,0879	537	2828	4015	4883	324	1622	2303	2801
UFT-11-34-2500	110	2500	2205	2000	340	2,50	30,2	363,4	1,0879	566	2977	4227	5140	342	1708	2425	2949
UFT-11-34-2600	110	2600	2305	2100	340	2,60	31,4	381,6	1,0879	594	3126	4438	5397	359	1793	2546	3096
UFT-11-34-2700	110	2700	2405	2200	340	2,70	32,6	399,7	1,0879	622	3274	4649	5654	376	1878	2667	3243
UFT-11-34-2800	110	2800	2505	2300	340	2,80	33,8	418,0	1,0879	650	3423	4861	5911	393	1964	2789	3391
UFT-11-34-2900	110	2900	2605	2400	340	2,90	35,0	436,1	1,0879	679	3572	5072	6168	410	2049	2910	3538
UFT-11-34-3000	110	3000	2705	2400	340	3,00	36,2	436,1	1,0879	679	3572	5072	6168	410	2049	2910	3538
UFT-11-34-3100	110	3100	2805	2600	340	3,10	37,4	472,5	1,0879	735	3870	5495	6682	444	2220	3152	3833
UFT-11-34-3200	110	3200	2905	2700	340	3,20	38,6	490,6	1,0879	764	4019	5706	6939	461	2306	3273	3981
UFT-11-34-3300	110	3300	3005	2700	340	3,30	39,8	490,6	1,0879	764	4019	5706	6939	461	2306	3273	3981
UFT-11-34-3400	110	3400	3105	2800	340	3,40	41,0	508,7	1,0879	792	4167	5917	7196	478	2390	3394	4128
UFT-11-34-3500	110	3500	3205	2900	340	3,50	42,2	527,0	1,0879	820	4316	6129	7453	495	2476	3516	4275
UFT-11-34-3600	110	3600	3305	3100	340	3,60	43,4	563,3	1,0879	877	4614	6551	7967	529	2647	3758	4570
UFT-11-34-3700	110	3700	3405	3100	340	3,70	44,6	563,3	1,0879	877	4614	6551	7967	529	2647	3758	4570
UFT-11-34-3800	110	3800	3505	3200	340	3,80	45,8	581,5	1,0879	905	4763	6763	8224	546	2732	3880	4718
UFT-11-34-3900	110	3900	3605	3300	340	3,90	47,0	599,6	1,0879	933	4912	6974	8481	564	2818	4001	4865
UFT-11-34-4000	110	4000	3705	3400	340	4,0	48,3	617,8	1,0879	961	5060	7185	8738	581	2903	4122	5013
UFT-11-34-4100	110	4100	3805	3500	340	4,1	49,7	636,0	1,0879	990	5209	7397	8995	598	2988	4243	5160
UFT-11-34-4200	110	4200	3905	3600	340	4,2	50,9	654,1	1,0879	1018	5358	7608	9252	615	3074	4364	5307
UFT-11-34-4300	110	4300	4005	3600	340	4,3	52,1	654,1	1,0879	1018	5358	7608	9252	615	3074	4364	5307
UFT-11-34-4400	110	4400	4105	3800	340	4,4	53,4	690,5	1,0879	1075	5656	8031	9766	649	3245	4607	5602
UFT-11-34-4500	110	4500	4205	3900	340	4,5	54,6	708,7	1,0879	1103	5805	8242	10023	666	3330	4728	5750
UFT-11-34-4600	110	4600	4305	4000	340	4,6	55,8	726,8	1,0879	1131	5953	8453	10280	683	3415	4849	5897
UFT-11-34-4700	110	4700	4405	4100	340	4,7	57,0	745,0	1,0879	1159	6102	8665	10537	700	3500	4971	6045
UFT-11-34-4800	110	4800	4505	4100	340	4,8	58,2	745,0	1,0879	1159	6102	8665	10537	700	3500	4971	6045

Zehnder Terraline Neo



Model UFT-14-17 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

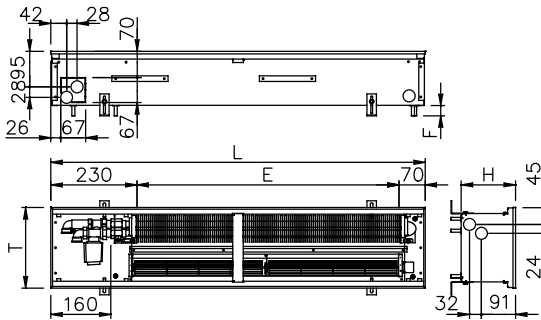
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_s = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts											
UFT-14-17-800	145	800	505	400	170	0,25	5,6	34,5	1,1028	54	270	401	480	31	154	228	273								
UFT-14-17-900	145	900	605	500	170	0,30	6,3	43,1	1,1028	68	338	501	600	38	192	285	342								
UFT-14-17-1000	145	1000	705	700	170	0,35	7,0	60,3	1,1028	95	473	701	840	54	269	399	478								
UFT-14-17-1100	145	1100	805	700	170	0,40	7,7	60,3	1,1028	95	473	701	840	54	269	399	478								
UFT-14-17-1200	145	1200	905	800	170	0,45	8,4	68,9	1,1028	108	541	801	960	62	308	456	547								
UFT-14-17-1300	145	1300	1005	900	170	0,50	9,1	77,6	1,1028	122	608	902	1080	69	346	514	615								
UFT-14-17-1400	145	1400	1105	1000	170	0,55	9,8	86,2	1,1028	135	676	1002	1200	77	385	570	683								
UFT-14-17-1500	145	1500	1205	1100	170	0,60	10,5	94,8	1,1028	149	743	1102	1320	85	423	627	751								
UFT-14-17-1600	145	1600	1305	1200	170	0,65	11,2	103,3	1,1028	162	811	1202	1440	92	462	684	820								
UFT-14-17-1700	145	1700	1405	1200	170	0,70	11,9	103,3	1,1028	162	811	1202	1440	92	462	684	820								
UFT-14-17-1800	145	1800	1505	1400	170	0,75	12,6	120,5	1,1028	189	946	1402	1680	108	539	798	956								
UFT-14-17-1900	145	1900	1605	1500	170	0,80	13,3	129,2	1,1028	203	1014	1503	1800	115	577	856	1025								
UFT-14-17-2000	145	2000	1705	1600	170	0,85	14,0	137,8	1,1028	216	1081	1603	1920	123	615	913	1093								
UFT-14-17-2100	145	2100	1805	1700	170	0,90	14,7	146,4	1,1028	230	1149	1703	2040	131	654	970	1161								
UFT-14-17-2200	145	2200	1905	1700	170	0,94	15,4	146,4	1,1028	230	1149	1703	2040	131	654	970	1161								
UFT-14-17-2300	145	2300	2005	1900	170	0,99	16,1	163,6	1,1028	257	1284	1903	2280	146	731	1083	1298								
UFT-14-17-2400	145	2400	2105	1900	170	1,04	16,8	163,6	1,1028	257	1284	1903	2280	146	731	1083	1298								
UFT-14-17-2500	145	2500	2205	2000	170	1,09	17,5	172,2	1,1028	270	1352	2003	2400	154	770	1140	1366								
UFT-14-17-2600	145	2600	2305	2100	170	1,14	18,2	180,9	1,1028	284	1419	2104	2520	162	808	1198	1435								
UFT-14-17-2700	145	2700	2405	2200	170	1,19	18,9	189,5	1,1028	297	1487	2204	2640	169	847	1255	1503								
UFT-14-17-2800	145	2800	2505	2300	170	1,24	19,6	198,1	1,1028	311	1554	2304	2760	177	885	1312	1571								
UFT-14-17-2900	145	2900	2605	2400	170	1,29	20,3	206,7	1,1028	324	1622	2404	2880	185	923	1369	1640								
UFT-14-17-3000	145	3000	2705	2400	170	1,34	21,0	206,7	1,1028	324	1622	2404	2880	185	923	1369	1640								
UFT-14-17-3100	145	3100	2805	2600	170	1,39	21,7	223,9	1,1028	351	1757	2604	3120	200	1000	1482	1776								
UFT-14-17-3200	145	3200	2905	2700	170	1,44	22,4	232,6	1,1028	365	1825	2705	3240	208	1039	1540	1845								
UFT-14-17-3300	145	3300	3005	2700	170	1,49	23,1	232,6	1,1028	365	1825	2705	3240	208	1039	1540	1845								
UFT-14-17-3400	145	3400	3105	2800	170	1,54	23,8	241,2	1,1028	378	1892	2805	3360	215	1077	1597	1913								
UFT-14-17-3500	145	3500	3205	2900	170	1,59	24,5	249,8	1,1028	392	1960	2905	3480	223	1116	1654	1981								
UFT-14-17-3600	145	3600	3305	3100	170	1,64	25,2	267,0	1,1028	419	2095	3105	3720	239	1193	1768	2118								
UFT-14-17-3700	145	3700	3405	3100	170	1,69	25,9	267,0	1,1028	419	2095	3105	3720	239	1193	1768	2118								
UFT-14-17-3800	145	3800	3505	3200	170	1,74	26,6	275,6	1,1028	433	2163	3205	3840	246	1231	1825	2186								
UFT-14-17-3900	145	3900	3605	3300	170	1,79	27,3	284,3	1,1028	446	2230	3306	3960	254	1270	1882	2254								
UFT-14-17-4000	145	4000	3705	3400	170	1,84	28,0	292,8	1,1028	460	2298	3406	4080	262	1308	1939	2323								
UFT-14-17-4100	145	4100	3805	3500	170	1,89	28,7	301,4	1,1028	473	2365	3506	4200	269	1346	1996	2391								
UFT-14-17-4200	145	4200	3905	3600	170	1,94	29,4	310,0	1,1028	487	2433	3606	4320	277	1385	2053	2459								
UFT-14-17-4300	145	4300	4005	3600	170	1,99	30,1	310,0	1,1028	487	2433	3606	4320	277	1385	2053	2459								
UFT-14-17-4400	145	4400	4105	3800	170	2,04	30,8	327,2	1,1028	514	2568	3806	4560	292	1462	2167	2596								
UFT-14-17-4500	145	4500	4205	3900	170	2,09	31,5	335,9	1,1028	527	2636	3907	4680	300	1501	2224	2664								
UFT-14-17-4600	145	4600	4305	4000	170	2,13	32,2	344,5	1,1028	541	2703	4007	4800	308	1539	2281	2733								
UFT-14-17-4700	145	4700	4405	4100	170	2,18	32,9	353,1	1,1028	554	2771	4107	4920	316	1578	2338	2801								
UFT-14-17-4800	145	4800	4505	4100	170	2,23	33,6	353,1	1,1028	554	2771	4107	4920	316	1578	2338	2801								

Zehnder Terraline Neo



Model UFT-14-21 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_s = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

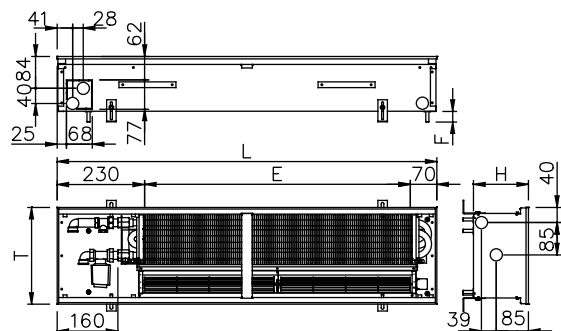
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										$\Phi_s = \Delta T 50$ K				$\Phi = \Delta T 30$ K (55/45/20 °C)			
										0	1	2	3	0	1	2	3
Watts				Watts													
mm	mm	mm	mm	mm	mm	dm ³	kg	kg/h	n								
UFT-14-21-800	145	800	505	400	215	0,25	6,7	39,3	1,0711	70	352	457	564	41	204	264	326
UFT-14-21-900	145	900	605	500	215	0,30	7,5	49,2	1,0711	88	440	572	705	51	255	331	408
UFT-14-21-1000	145	1000	705	700	215	0,35	8,3	68,8	1,0711	123	616	800	988	71	356	463	572
UFT-14-21-1100	145	1100	805	700	215	0,40	9,1	68,8	1,0711	123	616	800	988	71	356	463	572
UFT-14-21-1200	145	1200	905	800	215	0,45	10,0	78,7	1,0711	141	704	915	1129	81	407	529	653
UFT-14-21-1300	145	1300	1005	900	215	0,50	10,8	88,5	1,0711	158	792	1029	1270	92	458	595	735
UFT-14-21-1400	145	1400	1105	1000	215	0,55	11,6	98,3	1,0711	176	880	1143	1411	102	509	661	816
UFT-14-21-1500	145	1500	1205	1100	215	0,60	12,5	108,2	1,0711	194	968	1258	1552	112	560	728	898
UFT-14-21-1600	145	1600	1305	1200	215	0,65	13,3	118,0	1,0711	211	1056	1372	1693	122	611	794	980
UFT-14-21-1700	145	1700	1405	1200	215	0,70	14,1	118,0	1,0711	211	1056	1372	1693	122	611	794	980
UFT-14-21-1800	145	1800	1505	1400	215	0,75	15,0	137,7	1,0711	246	1232	1601	1975	143	713	926	1143
UFT-14-21-1900	145	1900	1605	1500	215	0,80	15,8	147,5	1,0711	264	1320	1715	2116	153	764	992	1224
UFT-14-21-2000	145	2000	1705	1600	215	0,85	16,6	157,3	1,0711	282	1408	1829	2257	163	815	1058	1306
UFT-14-21-2100	145	2100	1805	1700	215	0,90	17,5	167,1	1,0711	299	1496	1944	2398	173	866	1125	1387
UFT-14-21-2200	145	2200	1905	1700	215	0,94	18,3	167,1	1,0711	299	1496	1944	2398	173	866	1125	1387
UFT-14-21-2300	145	2300	2005	1900	215	0,99	19,1	186,7	1,0711	334	1672	2172	2681	193	967	1257	1551
UFT-14-21-2400	145	2400	2105	1900	215	1,04	20,0	186,7	1,0711	334	1672	2172	2681	193	967	1257	1551
UFT-14-21-2500	145	2500	2205	2000	215	1,09	20,8	196,6	1,0711	352	1760	2287	2822	204	1018	1323	1633
UFT-14-21-2600	145	2600	2305	2100	215	1,14	21,6	206,4	1,0711	370	1848	2401	2963	214	1069	1389	1714
UFT-14-21-2700	145	2700	2405	2200	215	1,19	22,4	216,2	1,0711	387	1936	2515	3104	224	1120	1455	1796
UFT-14-21-2800	145	2800	2505	2300	215	1,24	23,3	226,1	1,0711	405	2024	2630	3245	234	1171	1522	1878
UFT-14-21-2900	145	2900	2605	2400	215	1,29	24,1	235,9	1,0711	422	2112	2744	3386	244	1222	1588	1959
UFT-14-21-3000	145	3000	2705	2400	215	1,34	24,9	235,9	1,0711	422	2112	2744	3386	244	1222	1588	1959
UFT-14-21-3100	145	3100	2805	2600	215	1,39	25,8	255,6	1,0711	458	2288	2973	3668	265	1324	1720	2122
UFT-14-21-3200	145	3200	2905	2700	215	1,44	26,6	265,4	1,0711	475	2376	3087	3809	275	1375	1786	2204
UFT-14-21-3300	145	3300	3005	2700	215	1,49	27,4	265,4	1,0711	475	2376	3087	3809	275	1375	1786	2204
UFT-14-21-3400	145	3400	3105	2800	215	1,54	28,3	275,2	1,0711	493	2464	3201	3950	285	1426	1852	2285
UFT-14-21-3500	145	3500	3205	2900	215	1,59	29,1	285,1	1,0711	510	2552	3316	4091	295	1477	1919	2367
UFT-14-21-3600	145	3600	3305	3100	215	1,64	29,9	304,7	1,0711	546	2728	3544	4374	316	1578	2051	2531
UFT-14-21-3700	145	3700	3405	3100	215	1,69	30,8	304,7	1,0711	546	2728	3544	4374	316	1578	2051	2531
UFT-14-21-3800	145	3800	3505	3200	215	1,74	31,6	314,6	1,0711	563	2816	3659	4515	326	1629	2117	2612
UFT-14-21-3900	145	3900	3605	3300	215	1,79	32,4	324,4	1,0711	581	2904	3773	4656	336	1680	2183	2694
UFT-14-21-4000	145	4000	3705	3400	215	1,84	33,3	334,2	1,0711	598	2992	3887	4797	346	1731	2249	2776
UFT-14-21-4100	145	4100	3805	3500	215	1,89	34,3	344,1	1,0711	616	3080	4002	4938	356	1782	2316	2857
UFT-14-21-4200	145	4200	3905	3600	215	1,94	35,2	353,9	1,0711	634	3168	4116	5079	367	1833	2382	2939
UFT-14-21-4300	145	4300	4005	3600	215	1,99	36,0	353,9	1,0711	634	3168	4116	5079	367	1833	2382	2939
UFT-14-21-4400	145	4400	4105	3800	215	2,04	36,9	373,6	1,0711	669	3344	4345	5361	387	1935	2514	3102
UFT-14-21-4500	145	4500	4205	3900	215	2,09	37,7	383,4	1,0711	686	3432	4459	5502	397	1986	2580	3183
UFT-14-21-4600	145	4600	4305	4000	215	2,13	38,5	393,2	1,0711	704	3520	4573	5643	407	2037	2646	3265
UFT-14-21-4700	145	4700	4405	4100	215	2,18	39,4	403,1	1,0711	722	3608	4688	5784	418	2088	2712	3347
UFT-14-21-4800	145	4800	4505	4100	215	2,23	40,2	403,1	1,0711	722	3608	4688	5784	418	2088	2712	3347

Zehnder Terraline Neo



Model UFT-14-25 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = $H + 1$ mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

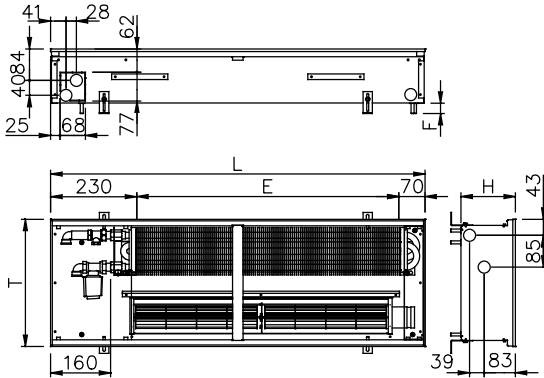
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed															
										0				1				2				3			
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts											
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																	
UFT-14-25-800	145	800	505	400	255	0,50	8,0	67,8	1,0587	108	540	788	1002	63	314	459	583								
UFT-14-25-900	145	900	605	500	255	0,60	8,9	84,7	1,0587	135	675	985	1252	79	393	574	729								
UFT-14-25-1000	145	1000	705	700	255	0,70	9,9	118,7	1,0587	189	946	1380	1753	110	551	804	1021								
UFT-14-25-1100	145	1100	805	700	255	0,80	10,9	118,7	1,0587	189	946	1380	1753	110	551	804	1021								
UFT-14-25-1200	145	1200	905	800	255	0,90	11,9	135,6	1,0587	216	1081	1577	2003	126	629	918	1166								
UFT-14-25-1300	145	1300	1005	900	255	1,00	12,9	152,5	1,0587	243	1216	1774	2254	142	708	1033	1312								
UFT-14-25-1400	145	1400	1105	1000	255	1,10	13,9	169,5	1,0587	270	1351	1971	2504	157	787	1148	1458								
UFT-14-25-1500	145	1500	1205	1100	255	1,20	14,9	186,4	1,0587	297	1486	2168	2755	173	865	1262	1604								
UFT-14-25-1600	145	1600	1305	1200	255	1,30	15,9	203,3	1,0587	324	1621	2365	3005	189	944	1377	1750								
UFT-14-25-1700	145	1700	1405	1200	255	1,40	16,9	203,3	1,0587	324	1621	2365	3005	189	944	1377	1750								
UFT-14-25-1800	145	1800	1505	1400	255	1,50	17,9	237,2	1,0587	378	1891	2759	3506	220	1101	1606	2041								
UFT-14-25-1900	145	1900	1605	1500	255	1,60	18,9	254,2	1,0587	405	2026	2956	3756	236	1180	1721	2187								
UFT-14-25-2000	145	2000	1705	1600	255	1,70	19,9	271,1	1,0587	432	2161	3153	4007	252	1258	1836	2333								
UFT-14-25-2100	145	2100	1805	1700	255	1,80	20,9	288,0	1,0587	459	2296	3350	4257	267	1337	1951	2479								
UFT-14-25-2200	145	2200	1905	1700	255	1,90	21,9	288,0	1,0587	459	2296	3350	4257	267	1337	1951	2479								
UFT-14-25-2300	145	2300	2005	1900	255	2,00	22,9	322,0	1,0587	513	2567	3745	4758	299	1495	2181	2770								
UFT-14-25-2400	145	2400	2105	1900	255	2,10	23,9	322,0	1,0587	513	2567	3745	4758	299	1495	2181	2770								
UFT-14-25-2500	145	2500	2205	2000	255	2,20	24,8	338,9	1,0587	540	2702	3942	5008	315	1573	2295	2916								
UFT-14-25-2600	145	2600	2305	2100	255	2,30	25,8	355,9	1,0587	567	2837	4139	5259	330	1652	2410	3062								
UFT-14-25-2700	145	2700	2405	2200	255	2,40	26,8	372,8	1,0587	594	2972	4336	5509	346	1731	2525	3208								
UFT-14-25-2800	145	2800	2505	2300	255	2,50	27,8	389,7	1,0587	621	3107	4533	5760	362	1809	2639	3354								
UFT-14-25-2900	145	2900	2605	2400	255	2,60	28,8	406,7	1,0587	648	3242	4730	6010	378	1888	2754	3499								
UFT-14-25-3000	145	3000	2705	2400	255	2,70	29,8	406,7	1,0587	648	3242	4730	6010	378	1888	2754	3499								
UFT-14-25-3100	145	3100	2805	2600	255	2,80	30,8	440,6	1,0587	702	3512	5124	6511	409	2045	2984	3791								
UFT-14-25-3200	145	3200	2905	2700	255	2,90	31,8	457,5	1,0587	729	3647	5321	6761	425	2124	3098	3937								
UFT-14-25-3300	145	3300	3005	2700	255	3,00	32,8	457,5	1,0587	729	3647	5321	6761	425	2124	3098	3937								
UFT-14-25-3400	145	3400	3105	2800	255	3,10	33,8	474,4	1,0587	756	3782	5518	7012	440	2202	3213	4083								
UFT-14-25-3500	145	3500	3205	2900	255	3,20	34,8	491,4	1,0587	783	3917	5715	7262	456	2281	3328	4228								
UFT-14-25-3600	145	3600	3305	3100	255	3,30	35,8	525,3	1,0587	838	4188	6110	7763	488	2439	3558	4520								
UFT-14-25-3700	145	3700	3405	3100	255	3,40	36,8	525,3	1,0587	838	4188	6110	7763	488	2439	3558	4520								
UFT-14-25-3800	145	3800	3505	3200	255	3,50	37,8	542,3	1,0587	865	4323	6307	8013	503	2517	3672	4666								
UFT-14-25-3900	145	3900	3605	3300	255	3,60	38,8	559,2	1,0587	892	4458	6504	8264	519	2596	3787	4812								
UFT-14-25-4000	145	4000	3705	3400	255	3,70	39,8	576,2	1,0587	919	4593	6701	8514	535	2674	3902	4957								
UFT-14-25-4100	145	4100	3805	3500	255	3,80	41,0	593,1	1,0587	946	4728	6898	8765	551	2753	4017	5104								
UFT-14-25-4200	145	4200	3905	3600	255	3,90	42,0	610,0	1,0587	973	4863	7095	9015	566	2832	4131	5249								
UFT-14-25-4300	145	4300	4005	3600	255	4,00	43,0	610,0	1,0587	973	4863	7095	9015	566	2832	4131	5249								
UFT-14-25-4400	145	4400	4105	3800	255	4,10	44,0	643,9	1,0587	1027	5133	7489	9516	598	2989	4361	5541								
UFT-14-25-4500	145	4500	4205	3900	255	4,20	45,0	660,8	1,0587	1054	5268	7686	9766	613	3067	4475	5687								
UFT-14-25-4600	145	4600	4305	4000	255	4,30	46,0	677,8	1,0587	1081	5403	7883	10017	629	3146	4590	5833								
UFT-14-25-4700	145	4700	4405	4100	255	4,40	47,0	694,7	1,0587	1108	5538	8080	10267	645	3225	4705	5978								
UFT-14-25-4800	145	4800	4505	4100	255	4,50	48,0	694,7	1,0587	1108	5538	8080	10267	645	3225	4705	5978								

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Model UFT-14-34 – for same-side connection, room-facing or frontal



- H_T = Total height incl. rivets = H + 1 mm
 - H = Height incl. frame
 - L = Length incl. frame
 - T = Depth incl. frame
 - E = Heat emitter length
 - LI = Total length of fans
 - F = Adjusting screw for height adjustment
Adjustment range 0 - 35 mm
 - V = Water capacity
 - M = Weight
 - q_{ms} = Standard water flow
 - n = Exponent
 - Φ_S = Thermal output (75/65/20 °C) according to EN16430
 - Φ = Thermal output at system temperatures
- Dimensions in mm

Grille not shown
Valves and actuators are not included as standard

Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q _{ms}	Exp,	Fan speed															
										0				1				2				3			
										Φ _s = ΔT 50 K Watts				Φ = ΔT 30 K (55/45/20 °C) Watts				Φ _s = ΔT 50 K Watts				Φ = ΔT 30 K (55/45/20 °C) Watts			
mm	mm	mm	mm	mm	dm ³	kg	kg/h	n																	
UFT-14-34-800	145	800	505	400	340	0,50	10,1	94,7	1,0376	113	751	1101	1391	88	442	648	819								
UFT-14-34-900	145	900	605	500	340	0,60	11,4	118,4	1,0376	141	939	1377	1739	111	553	810	1024								
UFT-14-34-1000	145	1000	705	700	340	0,70	12,6	165,7	1,0376	197	1315	1927	2434	155	774	1134	1433								
UFT-14-34-1100	145	1100	805	700	340	0,80	13,9	165,7	1,0376	197	1315	1927	2434	155	774	1134	1433								
UFT-14-34-1200	145	1200	905	800	340	0,90	15,2	189,4	1,0376	225	1503	2203	2782	177	885	1297	1637								
UFT-14-34-1300	145	1300	1005	900	340	1,00	16,4	213,1	1,0376	254	1691	2478	3130	199	995	1459	1842								
UFT-14-34-1400	145	1400	1105	1000	340	1,10	17,7	236,7	1,0376	282	1878	2753	3478	221	1105	1620	2047								
UFT-14-34-1500	145	1500	1205	1100	340	1,20	18,9	260,4	1,0376	310	2066	3029	3825	243	1216	1783	2251								
UFT-14-34-1600	145	1600	1305	1200	340	1,30	20,2	284,1	1,0376	338	2254	3304	4173	265	1327	1945	2456								
UFT-14-34-1700	145	1700	1405	1200	340	1,40	21,5	284,1	1,0376	338	2254	3304	4173	265	1327	1945	2456								
UFT-14-34-1800	145	1800	1505	1400	340	1,50	22,7	331,5	1,0376	395	2630	3855	4869	310	1548	2269	2866								
UFT-14-34-1900	145	1900	1605	1500	340	1,60	24,0	355,1	1,0376	423	2818	4130	5216	332	1659	2431	3070								
UFT-14-34-2000	145	2000	1705	1600	340	1,70	25,3	378,7	1,0376	451	3005	4405	5564	354	1769	2593	3275								
UFT-14-34-2100	145	2100	1805	1700	340	1,80	26,5	402,5	1,0376	479	3193	4681	5912	376	1879	2755	3480								
UFT-14-34-2200	145	2200	1905	1700	340	1,90	27,8	402,5	1,0376	479	3193	4681	5912	376	1879	2755	3480								
UFT-14-34-2300	145	2300	2005	1900	340	2,00	29,0	449,8	1,0376	535	3569	5231	6607	420	2101	3079	3889								
UFT-14-34-2400	145	2400	2105	1900	340	2,10	30,3	449,8	1,0376	535	3569	5231	6607	420	2101	3079	3889								
UFT-14-34-2500	145	2500	2205	2000	340	2,20	31,6	473,5	1,0376	564	3757	5507	6955	442	2211	3241	4094								
UFT-14-34-2600	145	2600	2305	2100	340	2,30	32,8	497,1	1,0376	592	3945	5782	7303	464	2322	3403	4298								
UFT-14-34-2700	145	2700	2405	2200	340	2,40	34,1	520,8	1,0376	620	4132	6057	7651	486	2432	3565	4503								
UFT-14-34-2800	145	2800	2505	2300	340	2,50	35,4	544,5	1,0376	648	4320	6333	7998	509	2543	3728	4708								
UFT-14-34-2900	145	2900	2605	2400	340	2,60	36,6	568,2	1,0376	676	4508	6608	8346	531	2653	3889	4912								
UFT-14-34-3000	145	3000	2705	2400	340	2,70	37,9	568,2	1,0376	676	4508	6608	8346	531	2653	3889	4912								
UFT-14-34-3100	145	3100	2805	2600	340	2,80	39,1	615,5	1,0376	733	4884	7159	9042	575	2875	4214	5322								
UFT-14-34-3200	145	3200	2905	2700	340	2,90	40,4	639,2	1,0376	761	5072	7434	9389	597	2985	4376	5526								
UFT-14-34-3300	145	3300	3005	2700	340	3,00	41,7	639,2	1,0376	761	5072	7434	9389	597	2985	4376	5526								
UFT-14-34-3400	145	3400	3105	2800	340	3,10	42,9	662,8	1,0376	789	5259	7709	9737	619	3095	4537	5731								
UFT-14-34-3500	145	3500	3205	2900	340	3,20	44,2	686,6	1,0376	817	5447	7985	10085	641	3206	4700	5936								
UFT-14-34-3600	145	3600	3305	3100	340	3,30	45,5	733,8	1,0376	873	5823	8535	10780	685	3427	5024	6345								
UFT-14-34-3700	145	3700	3405	3100	340	3,40	46,7	733,8	1,0376	873	5823	8535	10780	685	3427	5024	6345								
UFT-14-34-3800	145	3800	3505	3200	340	3,50	48,0	757,6	1,0376	902	6011	8811	11128	708	3538	5186	6550								
UFT-14-34-3900	145	3900	3605	3300	340	3,60	49,2	781,2	1,0376	930	6199	9086	11476	730	3649	5348	6755								

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Mounting parts / standard equipment	
<p>Zehnder Terraline comes with the following items as standard:</p> <ul style="list-style-type: none"> ① Adjusting screws for height adjustment ② L-brackets including screws for both-sided fixing of the casing <p>Length 800 mm to 2000 mm = 4 L-brackets (2 pcs on each side) Length 2100 mm to 4000 mm = 6 L-brackets (3 pcs on each side) Length 4100 mm to 4800 mm = 8 L-brackets (4 pcs on each side)</p>	
Installation notes	
<ul style="list-style-type: none"> ■ Remove the packaging. ■ Remove the grille and installation cover (wood) from the frame. ■ Position and adjust the height of the convector using the adjusting screws. 	
<ul style="list-style-type: none"> ■ Install the L-bracket to the casing and the unfinished floor. Screws for unfinished floor installation on site. ■ Remove the pre-punched holes for pipework and install the supplied grommets. 	
<ul style="list-style-type: none"> ■ Connect the heat emitter to the flow and return. ■ When using an electrical actuator, lay empty pipe or connector cable. ■ After aligning the casing and installing the connections, insert installation cover (wood) into the frame or provide other protection against dirt. 	
General notes	
<ul style="list-style-type: none"> ■ For installation in screed use edge insulation strips (expansion joint), casing can be pressed together through the screed, insert installation cover (wood) or take alternative precautions. ■ Caution with hot screed. Protect trench heater and electrical components from heat, max. temperature 110 °C. ■ For installation in raised floors provide hard-wearing substrate, use L-brackets on both sides to prevent any slippage of the trench heater. Pay attention to expansion joint. After completion of the finished floor, remove the installation cover (wood) and lay the grille in the frame. 	
Planning notes	
<ul style="list-style-type: none"> ■ To prevent the fall of cold air in the room, the floor convector must cover the entire width of the glazed area. ■ When installing the trench heater in front of glazed areas with curtains, the distance to the window should, where possible, be increased to enable unhindered convection. ■ The top of the frame is level with the top of the finished floor; the internal adjusting screws can be used for fine-adjustment as required. ■ When installing the trench heater in a large floor structure, an acoustic insulating substructure must be provided. 	

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Planning notes

General

Zehnder Terraline Neo with fan-assisted convection can be connected to numerous electrical connections.

Accessories including a power supply, actuator, room thermostat, etc. are not included in delivery.

Trench heaters need to be added to the room thermostat and a power supply (24V) to ensure their correct function. The temperature in the room is controlled by a room thermostat (CU-24VDC-LCD), which controls the fan's speed and the water flow through the heat emitter. The water flow is controlled by an actuator (ACT-24VDC), which opens and closes the valve.

The entire circuit operates at safe voltage of 24V DC, which is provided by a power supply 24V DC (PSP-24VDC-). The power supply has to be sized according to the number of installed trench convectors and has to be placed outside of the trench heater e.g. in a switching cabinet or in a flush-collecting box COB-234 for power supply.

Function

Zehnder Terraline Neo offers very good thermal output. This is achieved via installed fans with tangential rotors, which force air into the heat emitter with fins. The fans are fitted with electrically commuted (EC) motors functioning at safe voltage of 24V DC. The motors have a very small consumption of electrical power.

The room thermostat secures the correct function of all installed Zehnder Terraline Neo trench heaters, comparing the set point and actual room temperature. The 24V actuator opens/closes the flow valve to the heat emitter. The speeds of fans are controlled (depending of the selected fan mode set on the room thermostat) to automatic or manual (three-stage speed: low, medium, high) setting. In automatic mode the fan speed is continuous with a controlling voltage of 0-10V DC and depends on the actual room temperature and the room set point temperature.

- Minimal fan speed at temperature difference of 0.5 K from set point temperature to actual room temperature.
- Medium fan speed at temperature difference of 1.0 K from set point temperature to actual room temperature.
- Maximum fan speed at temperature difference of ≥ 2.0 K from set point temperature to actual room temperature.
- If room temperature as per set point is reached, actuators close and fans switch off.

Acoustics

When planning trench heaters with fan for residential rooms, it is necessary to take into account the acoustic characteristics of the trench convector and the environment in which it will be used. It is necessary to design a heater complying with the applicable standard as prescribed by the national directive, which define acoustic limits for individual environments.

Heat emission and acoustic values of the trench heater taking into account the room's nature – residential rooms, offices and halls for example. The convector shall comply with the requirement for heat emission at a selected temperature gradient; however at the same time the operation shall not disturb the user with excessive noise. The noise issue is regulated by the applicable standard, which defines permitted limits for individual types of rooms.

Connecting to the mains

The connection into the electric circuit has to be done according to the schemes. The entire circuit is powered with a power supply (placed in the switchboard), which provides the voltage of 24V DC. All trench heaters and the room thermostat are connected to this voltage. The cabling shall be sized to ensure that the voltage in distribution lines never drops below 22V DC in any individual device.

Electric connection of trench heaters with fans

The trench heaters and their components are powered with safe voltage of 24V DC.

The low voltage requires specific sizing of the network.

Based on the number of installed units it is necessary to assess the total input of the circuit and size the capacity of the power source. The cross sections of the conductors in the circuit shall be correctly sized with respect to the distances between individual trench heaters and the power supply with a voltage of 24V DC.

The total power input has to be considered at maximum fan speed of trench heaters (i.e. revolutions at fan speed 3). If actuators are used, its operating power input has to be added (i.e. 3 Watts per actuator ACT-24VDC). The voltage in the circuit may not at any point drop below the value of 22V DC.

Procedure for sizing trench heaters

1. Consider the convector's power input at fan speed 3 from the table electric power consumption. Attention: Level 3 is provided with a control voltage of 8,3 volts (80%). Parameter on standard room thermostat P55 = 80%. By increasing the control voltage to maximum 10 Volt (P55 = 100%) it is possible the power consumption of the fan doubles.
2. Normally one room thermostat per room/zone is needed.
3. If actuators are used, add its power input (i.e. 3 W per piece for ACT-24VDC).
4. Define the position for the installation of the power supply at voltage of 24V DC. This position shall be as close to installed trench heaters as possible (max. 40 m).
5. Measure the distances between the trench heaters and the source from the project.
6. Determine the lines of the electric network.
7. Calculate the reduction of voltage in individual trench heaters.
8. If the voltage at all trench heaters is >22 V DC, determine the capacity of the power supply. Consider a power output reserve of 5%.
9. If the voltage along the network lines drops below 22V DC, size a large cross section of conductors or preview a bigger power supply in the installation.
10. When installing more than 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat) it is necessary to incorporate a switching relay RLA-24 VDC in the circuit.

The process of dimensioning the network can be simplified through the use of software.

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Thermostat

Setting the thermostat CU-24VDC-LCD

It is necessary to do a basic pre-setting before the first start-up to secure the correct function of the thermostat:

DIP switch

Set the switch 1 on the back side of the thermostat to position ON. The other DIP switches will remain in the OFF position. With this the 2 pipe heating system has been pre-set.

Service level - parameters

The "Service level" contains a small set of parameters to set up the thermostat for the heating system and to adjust the user interface. These parameters can usually be adjusted at any time.

Set P01 = 0 for heating mode

Expert level - parameters

Change parameters at the "Expert level" carefully, as they impact control performance and functionality of the thermostat.

Settings:

P01 = 0	The thermostat will function only in the heating mode
P55 = 80%	(Standard) maximal revolutions of fans. If needed (in a bedroom, for example), the maximum revolutions may be limited with this parameter (e.g. P55 = 50% fan speed 2) to minimise the noise level.
P56 = 30%	(Standard) minimal revolutions of fans
P72 = 2	ON setting for opening the thermal actuator to the thermostat's terminal Q1
P40=2	If the temperature sensor SNS-HEX-2.5M will be used it is necessary to change the inner setting of the thermostat. This monitors the temperature of the trench heater. When the heat emitter is cold, it will not switch on fans and actuators. Recommended to prevent operation at cold heat emitter or in the summer. Positioning on flow or return of main heating circuit /loop/ distributor outside the trench heater. Further parameters have to be set for this function (available on request).

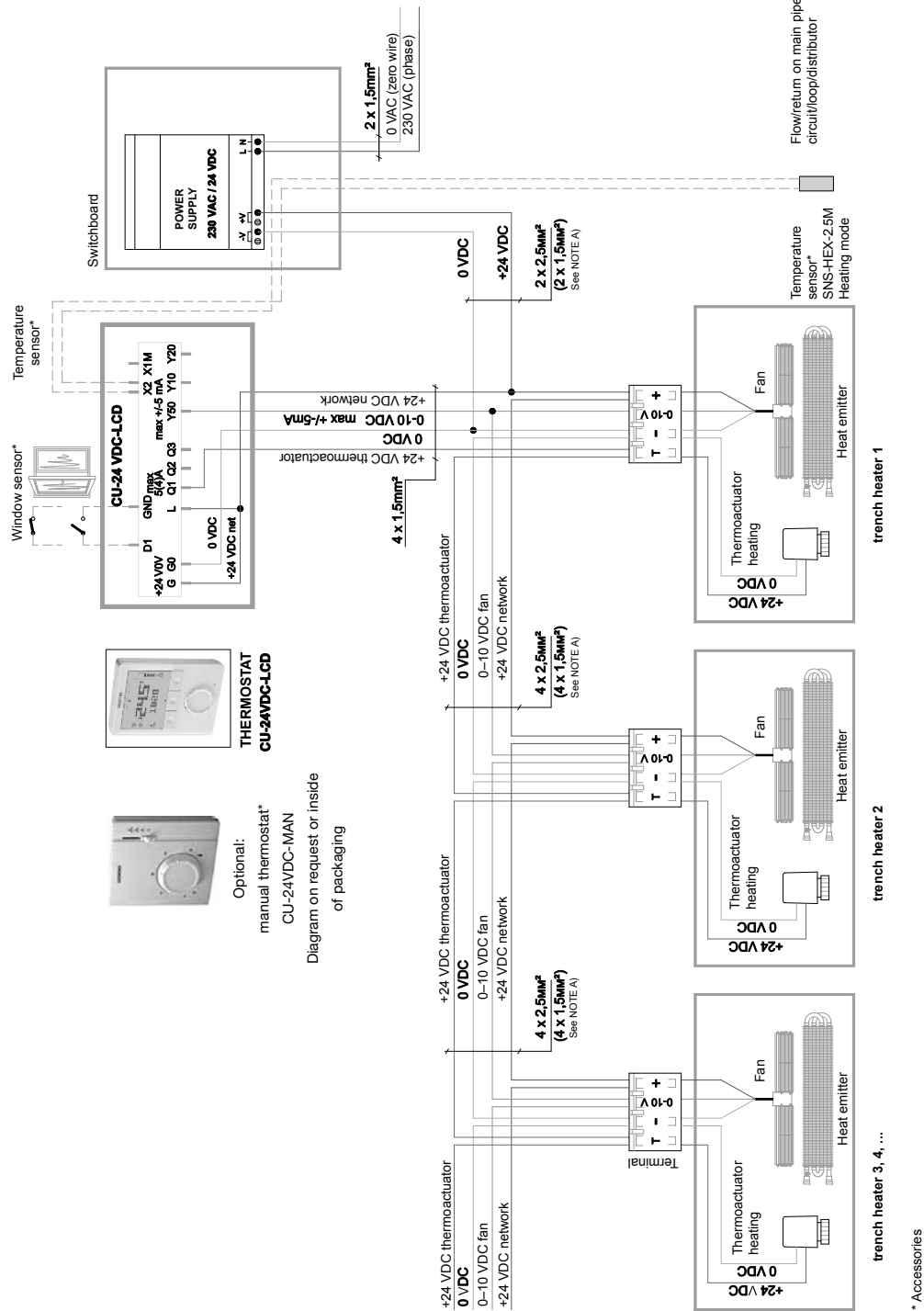
Safety note:

Planning, installation, wiring and maintenance must be done by a specialist in accordance with applicable standards and regulations. Fan assisted trench heaters with protection class IP20 may only be used in dry indoor environments.



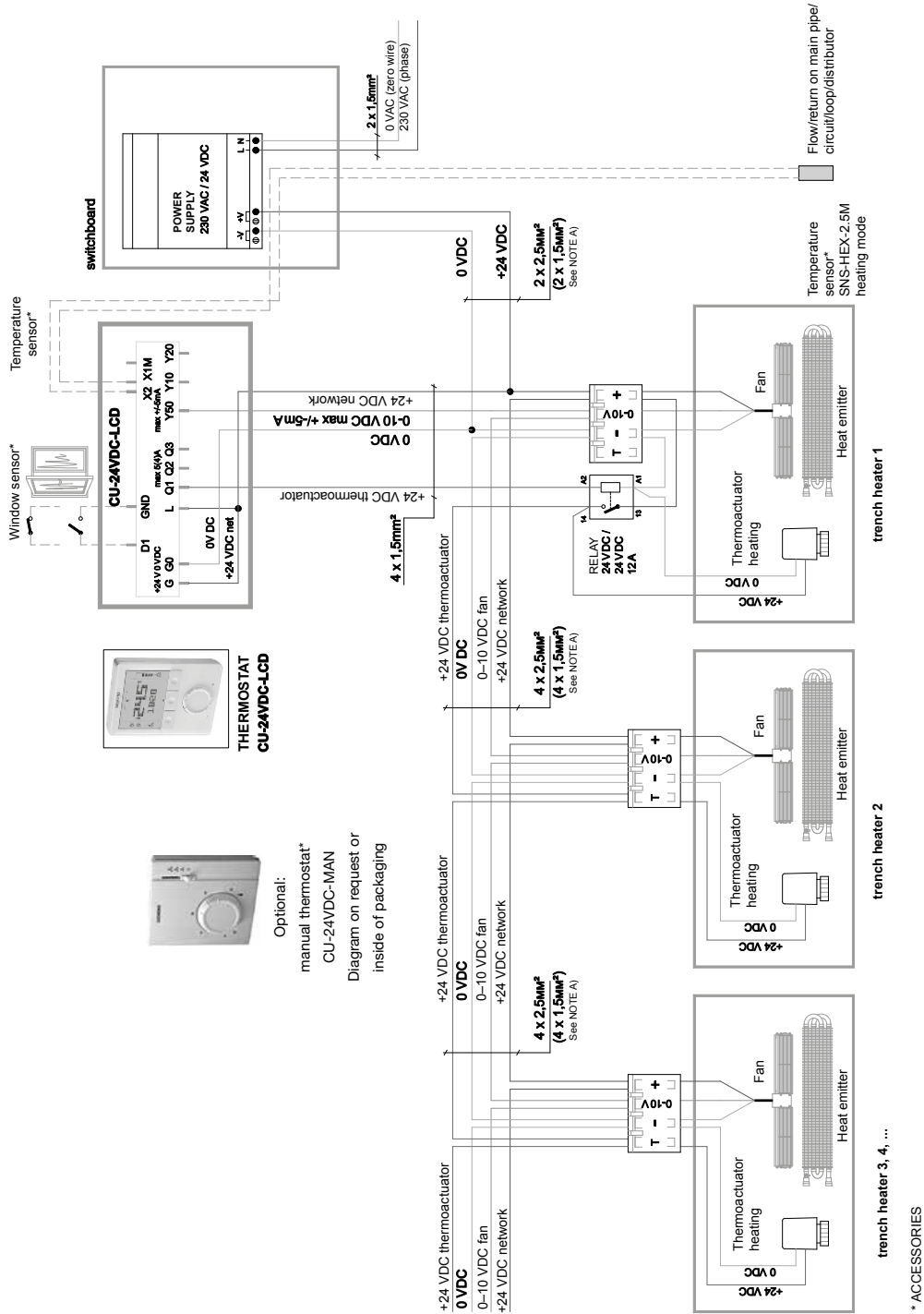
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Diagram 1 (standard) for 2-pipe heating system, connection of up to 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat)

**Note:**

- The voltage must not fall below 22V DC. It is necessary to properly size the wire cross-section according to the calculation as per procedure for sizing trench heaters or the software of Zehnder.
- In case of more than 10 actuators using CU-24VDC-LCD (4 actuators at CU24-VDC-MAN) use the switching relay RLA-24VDC (see Diagram 2).
- If capacity of power supply is not sufficient, increase power supply (see Diagram 3).
- The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.

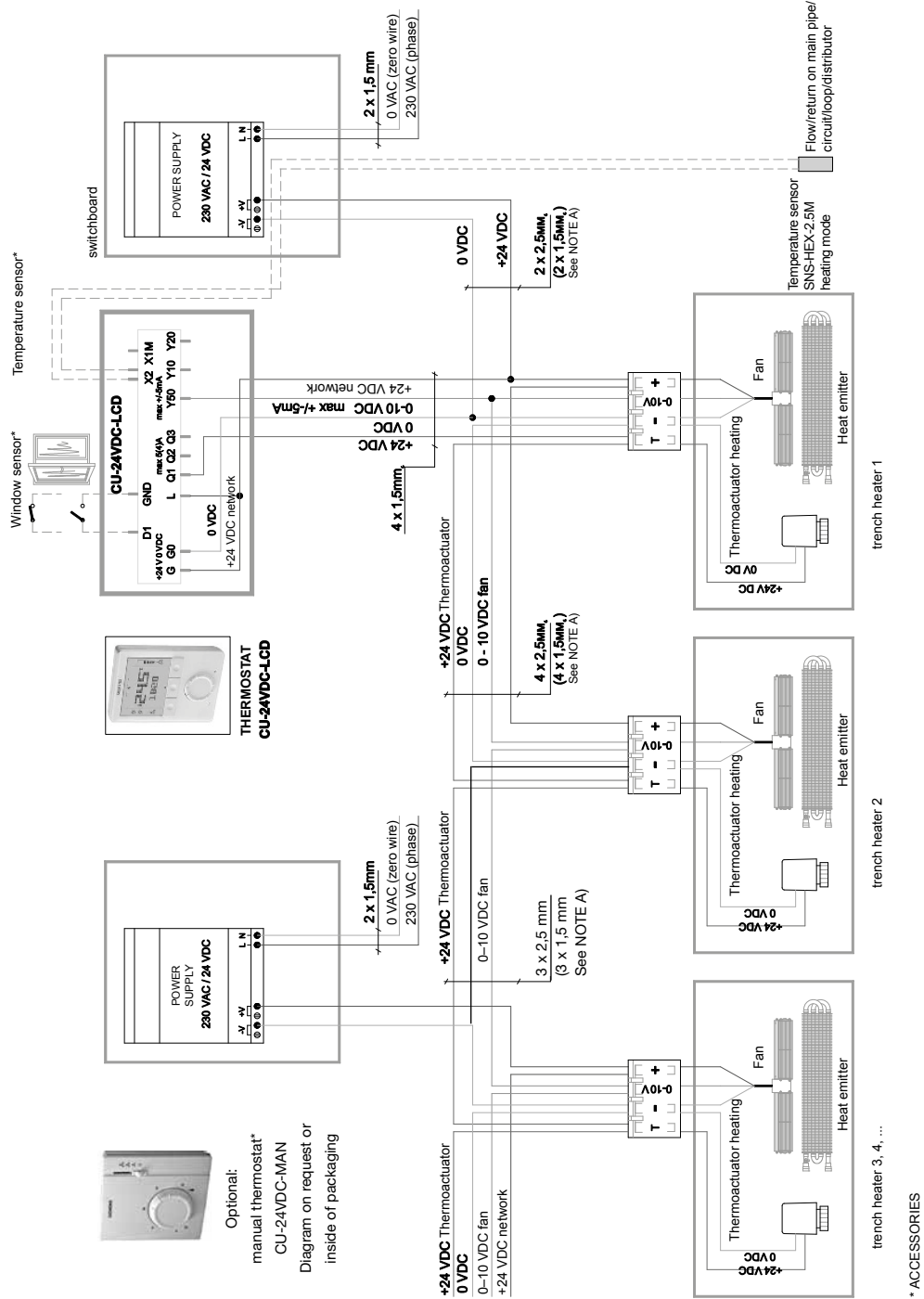
Diagram 2 for 2-pipe heating system, connection with more than 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat)



Note:

- A) The voltage must not fall below 22V DC. It's necessary to properly size the wire cross-section according to the calculation as per procedure for sizing trench heaters or the software of Zehnder.
- B) If capacity of power supply is not sufficient, increase power supply (see Diagram 3).
- C) The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.

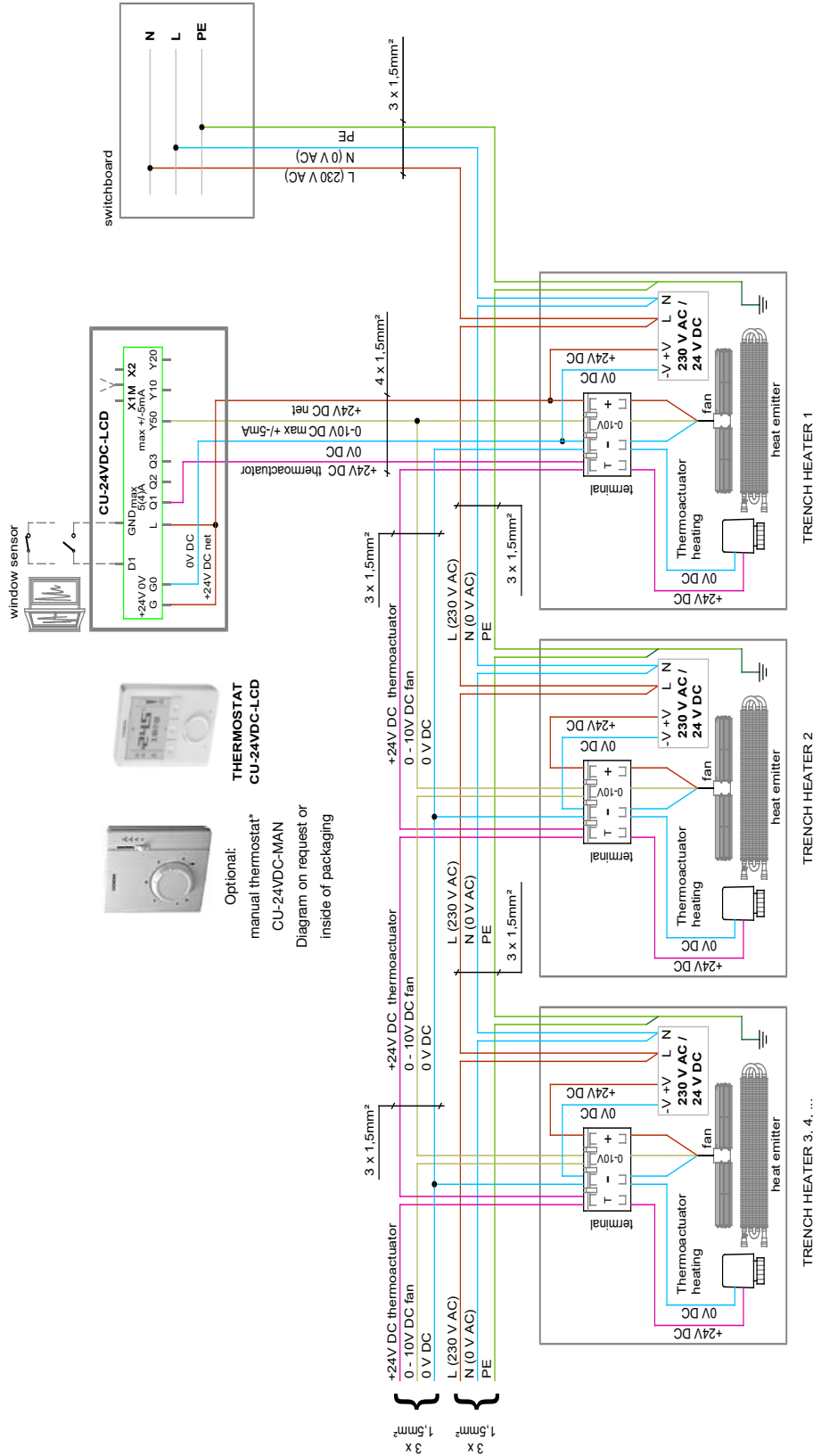
Diagram 3 for 2-pipe heating system, connection to several power supplies



Note:

- A) The voltage must not fall below 22V DC. It's necessary to properly size the wire cross-section according to the calculation as per procedure for sizing trench heaters or the software of Zehnder.
- B) In case of more than 10 actuators using CU-24VDC-LCD (4 actuators at CU24-VDC-MAN) use the switching relay RLA-24VDC (see Diagram 2).
- C) All sources shall be powered from a single circuit breaker.
- D) The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.

Diagram 5 for 2-pipe heating system, with integrated power supply, connection with up to 10 actuators

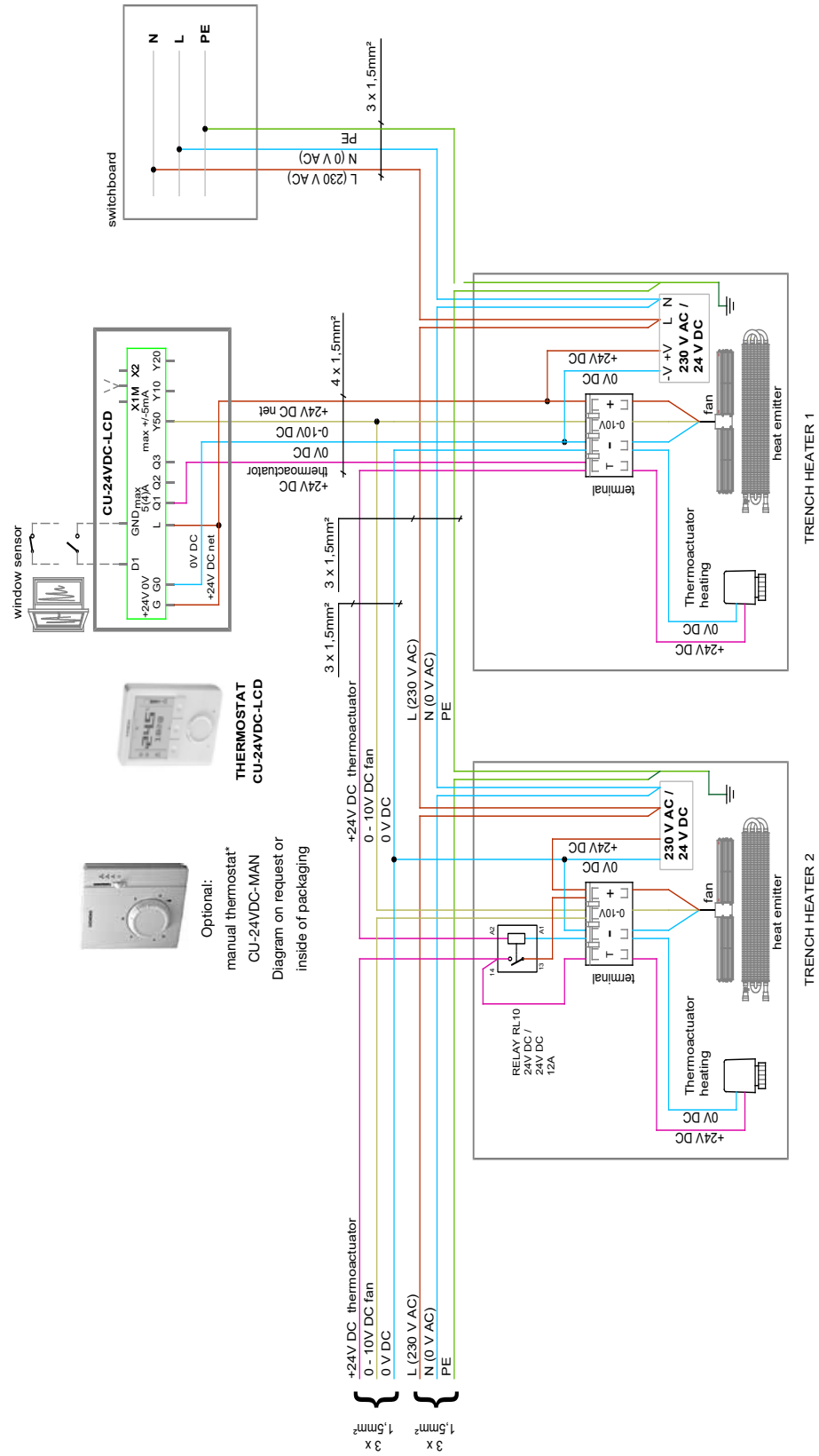


Note:

- A) In case of more than 10 actuators using CU-24VDC-LCD (4 actuators at CU24-VDC-MAN) use the switching relay RLA-24VDC (see Diagram 6).
- B) The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.

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Diagram 6 for 2-pipe heating system, with integrated power supply, connection with more than 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat)



Note:

- A) In case of more than 10 actuators use the switching relay RLA-24VDC (see Diagram 6).
- B) The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.

Power consumption																
							Model									
							UFT 07 - 34 UFT 07 - 25 UFT 09 - 17 UFT 11 - 17 UFT 14 - 17			UFT 09 - 21 UFT 11 - 21 UFT 14 - 21 UFT 09 - 25 UFT 11 - 25 UFT 14 - 25 UFT 09 - 34 UFT 11 - 34			UFT 14 - 34			
							Fan Ø 30 mm			Fan Ø 40 mm			Fan Ø 60 mm			
Length		Length of each single fan			Qty of fans	Total length of fans	Power consumption ¹⁾									
							W									
							Fan speed			Fan speed			Fan speed			
mm	mm	mm	mm	mm		mm	1	2	3	1	2	3	1	2	3	
800	400	—	—	—	1	400	1	3	5	4	3	5	6	9	16	
900	500	—	—	—	1	500	1	3	5	4	4	6	6	10	18	
1000	700	—	—	—	1	700	1	4	5	4	4	7	6	10	19	
1100	700	—	—	—	1	700	1	4	5	4	4	7	6	10	19	
1200	400	400	—	—	2	800	1	5	6	5	5	8	6	11	20	
1300	400	500	—	—	2	900	1	5	6	5	6	9	7	11	22	
1400	300	700	—	—	2	1000	1	5	7	5	6	9	7	11	22	
1500	400	700	—	—	2	1100	1	5	7	6	7	10	7	11	23	
1600	1200	—	—	—	1	1200	1	5	7	6	7	10	7	12	24	
1700	500	700	—	—	2	1200	1	5	7	6	7	11	7	12	25	
1800	700	700	—	—	2	1400	1	5	7	7	8	12	7	12	26	
1900	1200	300	—	—	2	1500	1	6	8	7	8	12	7	13	27	
2000	1200	400	—	—	2	1600	2	7	9	7	8	12	7	13	28	
2100	1200	500	—	—	2	1700	2	7	9	7	9	13	8	14	30	
2200	1200	500	—	—	2	1700	2	7	9	7	9	13	8	14	30	
2300	1200	700	—	—	2	1900	2	7	9	8	10	15	8	14	31	
2400	1200	700	—	—	2	1900	2	7	9	8	10	15	8	14	31	
2500	1200	400	400	—	3	2000	3	8	10	8	10	16	8	14	32	
2600	1200	500	400	—	3	2100	3	8	10	9	11	16	8	15	34	
2700	1200	500	500	—	3	2200	3	8	10	9	12	17	9	15	36	
2800	1200	700	400	—	3	2300	3	8	10	9	12	17	9	15	36	
2900	1200	1200	—	—	2	2400	3	8	10	9	12	17	9	15	36	
3000	1200	1200	—	—	2	2400	3	8	10	10	12	18	9	16	36	
3100	1200	700	700	—	3	2600	4	10	12	10	13	20	9	16	38	
3200	1200	1200	300	—	3	2700	4	10	12	10	13	20	9	16	38	
3300	1200	1200	300	—	3	2700	4	10	12	11	14	20	9	17	40	
3400	1200	1200	400	—	3	2800	4	10	12	11	14	20	9	17	40	
3500	1200	1200	500	—	3	2900	5	10	13	11	15	22	10	17	42	
3600	1200	1200	700	—	3	3100	5	10	13	11	15	22	10	17	42	
3700	1200	1200	700	—	3	3100	5	11	14	12	15	23	10	18	45	
3800	1200	1200	500	300	4	3200	5	11	14	12	15	23	10	18	45	
3900	1200	1200	500	400	4	3300	5	11	14	13	17	25	10	19	47	
4000	1200	1200	500	500	4	3400	5	11	14	13	17	25	10	19	47	
4100	1200	1200	700	400	4	3500	5	11	14	13	17	25	10	19	47	
4200	1200	1200	1200	—	3	3600	5	11	14	13	17	25	10	19	47	
4300	1200	1200	700	500	4	3600	6	12	15	14	18	27	11	20	49	
4400	1200	1200	700	700	4	3800	6	12	15	14	18	27	11	20	49	
4500	1200	1200	1200	300	4	3900	6	12	15	14	19	28	11	20	51	
4600	1200	1200	1200	400	4	4000	6	12	15	14	19	28	11	20	51	
4700	1200	1200	1200	500	4	4100	6	12	15	14	19	29	11	21	53	
4800	1200	1200	1200	500	4	4100	6	12	15	14	19	29	11	21	53	

Attention: Level 3 is provided with a control voltage of 8.3 volts (80%). Parameter on standard room thermostat P55 = 80%. By increasing the control voltage to maximum 10 Volt (P55 = 100%) it is possible the power consumption of the fan doubles.

¹⁾ Per actuator (ACT 24VDC) an additional power consumption of 3 W has to be added. A power reserve of 5% has to be considered.






Zehnder Terraline Neo

Acoustic																
Length UFT	Model															
	UFT 07 - 34 UFT 07 - 25 UFT 09 - 17 UFT 11 - 17 UFT 14 - 17			UFT 09 - 21 UFT 11 - 21 UFT 14 - 21 UFT 09 - 25 UFT 11 - 25 UFT 14 - 25 UFT 09 - 34 UFT 11 - 34			UFT 14 - 34									
	Fan Ø 30 mm			Fan Ø 40 mm			Fan Ø 60 mm									
mm	Sound power 1) dB(A)															
	Fan speed			Fan speed			Fan speed									
	1	2	3	1	2	3	1	2	3							
800	28	30	36	29	32	41	35	42	52							
900						42				53						
1000						29					31	38	29	33	43	36
1100	30	32	39	30	34		45	38	46							
1200										31						
1300						32					34	41	31	36	47	42
1400	33	35	42	32	37		48	44	52							
1500										34						
1600						35					36	44	33	38	50	46
1700	36	37	45	34	38		51	47	56							
1800										37						
1900						37					37	46	34	39	51	47
2000	37	37	46	34	39		51	47	56							
2100										37						
2200						37					37	46	34	39	51	47
2300	37	37	46	34	39		51	47	56							
2400										37						
2500						37					37	46	34	39	51	47
2600	37	37	46	34	39		51	47	56							
2700										37						
2800						37					37	46	34	39	51	47
2900	37	37	46	34	39		51	47	56							
3000										37						
3100						37					37	46	34	39	51	47
3200	37	37	46	34	39		51	47	56							
3300										37						
3400						37					37	46	34	39	51	47
3500	37	37	46	34	39		51	47	56							
3600										37						
3700						37					37	46	34	39	51	47
3800	37	37	46	34	39		51	47	56							
3900										37						
4000						37					37	46	34	39	51	47
4100	37	37	46	34	39		51	47	56							
4200										37						
4300						37					37	46	34	39	51	47
4400	37	37	46	34	39		51	47	56							
4500										37						
4600						37					37	46	34	39	51	47
4700	37	37	46	34	39		51	47	56							
4800										37						



1) Sound power level according to SN EN ISO 3741: 2011

2) For the sound pressure level 8 dB (A) can be reduced from the sound power level for the room absorption. This corresponds to a distance of 2 m from the device, a volume of 100 m³ and a reverberation time of 0.5 s.




Valves, actuators and general accessories

Description	Accessories	Finish	Article no.	Price €	Application
<p>Thermostatic valve straight version internally and externally threaded Rp/R ½"; setting in 5 steps + N (fully open); head thread M30 x 1,5mm; kv value (m3/h) range 0.10-0.89; kv value (m3/h) for zone 2K 0.52; operating temperature max. 110 °C; operating pressure max. 10 bar</p>		made of brass, nickel-plated	829192	42,59	½" male thread to connection, ½" female thread to pipe
<p>Lockshield straight version internally and externally threaded Rp/R ½"; possibility to shut; Kvs 0.30 - 1.80 m3/h operating temperature max. 110°C, operating pressure max. 10 bar</p>		made of brass, nickel-plated	829162	22,65	½" male thread to connection, ½" female thread to pipe
<p>Connection set 20 mm 1 x extention piece 20 mm; 2 x elbow 90°; internally and externally threaded G½"</p>	 <p>1x 2x</p>	brass	841910	34,68	½" male thread to connection, ½" female thread to pipe
<p>Connection set 40 mm 1 x extention piece 40 mm; 2 x elbow 90°; internally and externally threaded G½"</p>	 <p>1x 2x</p>	brass	841780	35,16	½" male thread to connection, ½" female thread to pipe
<p>Connection set 50 mm 1 x extention piece 50 mm; 2 x elbow 90°; internally and externally threaded G½"</p>	 <p>1x 2x</p>	brass	841790	35,61	½" male thread to connection, ½" female thread to pipe

Valves, actuators and general accessories

Description	Accessories	Design	Article No.	Price €	Application
<p>Manual room thermostat CU-24VDC-MAN Normally one room thermostat per room/zone is needed.</p> <ul style="list-style-type: none"> ■ Max. connection: 4 units of actuators ACT-24VDC, if more use switching relay RLA-24VDC ■ For controlling of convectors with EC fans 24V DC 0 ... 10 V and actuators 24V DC, max. ± 5 mA ■ Manual switching of fans (3-speed) ■ Two-position control of valve actuator DC 24V, OFF at fan speed 0 ■ Nominal voltage SELV DC 24V +/-10% ■ Degree of protection IP30 ■ Room temperature setpoint 8...30 °C ■ Switching differential ≤ 1 K ■ Current 0,2...6 (2) A ■ Mounting on-wall ■ Dimensions: WxHxD 99 x 110 x 35,4 mm <p>Optional accessories</p> <ul style="list-style-type: none"> ■ Temperature sensor SNSHEX-2.5M for heat emitter ■ Switching relay RLA-24VDC in case of more than 4 actuators 		White RAL 9003	895190	411,50	Control UFT models
<p>Digital room thermostat CU-24VDC-LCD Normally one room thermostat per room/zone is needed.</p> <ul style="list-style-type: none"> ■ Max. connection: 10 units of actuators ACT-24VDC, if more use switching relay RLA-24VDC ■ For controlling of trench heaters with fans 24V DC EC 0 ... 10 V DC EG, max. ± 5 mA and EC actuators 24 V DC ■ Power consumption max. 2 VA/1 W ■ Digital room thermostat with backlit LCD display ■ Week program, 8 time blocks/day ■ Manual or automatic switching of fan speeds ■ Operating modes: comfort, economy or protection ■ Temperature range 5-40 °C (Comfort mode) ■ Rated voltage 24V DC, degree of protection IP30 ■ Ambient temperature 0-50 °C, relative humidity <95% ■ Dimensions: HxWxD 128x93x31 mm <p>Setting When putting into operation, it is necessary to switch over the DIP switch and set the thermostat's internal parameters. For more information see section commissioning UFT models or instruction at delivery.</p> <p>Optional accessories</p> <ul style="list-style-type: none"> ■ External temperature sensor RSNS-NTC ■ Temperature sensor SNSHEX-2.5M for heat emitter ■ Remote infrared control RC-24VDC-IR ■ Possibility to connect open window sensor 		White RAL 9003	895110	563,69	Control UFT models
		White RAL 9003	917400	883,27	KNX version

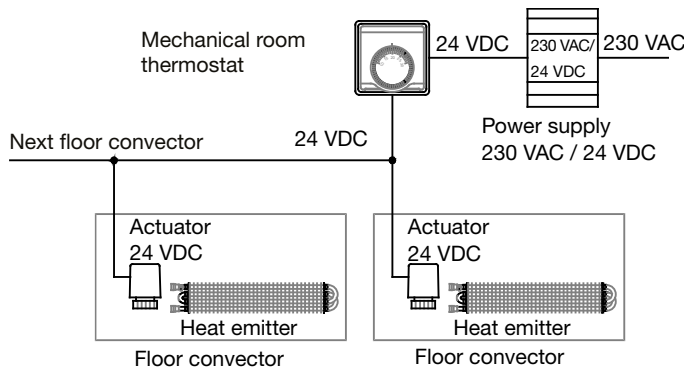
Room thermostats

Description	Accessories	design	Article no.	Application	Price €
<p>Digital room thermostat CU-230 V-LCD</p> <p>Normally one room thermostat per room/zone is needed.</p> <p>Room thermostat for controlling the room temperature of floor convectors with natural convection in combination with 24 V actuator heads.</p> <ul style="list-style-type: none"> ■ Control of the room temperature ■ 2-point control behaviour with on/off control signal output for heating ■ Operating modes: comfort, economy, auto timer, protection mode ■ Automatic programme timer at 15-minute intervals ■ Adjustable commissioning control parameters ■ Supply voltage: 3 VDC (2x 1.5 V batteries) ■ Switching voltage: 230 VAC ■ Temperature range: 5 – 35 °C ■ Connection to up to 15 24 V actuator heads ■ Degree of protection IP30 ■ Ambient temperature 0 – 50 °C ■ Relative air humidity <95% ■ Dimensions: 127×85×22 mm <p>Optional accessories</p> <ul style="list-style-type: none"> ■ Temperature sensor SNSHEX- 2.5 M for heat emitter ■ Switching relay RLA-24 VDC in case of more than 4 actuators 		White RAL9003	895510	Control unit UN models	264,45
<p>Mechanical room thermostat CU-230 V-MAN</p> <p>Normally one room thermostat per room/zone is needed.</p> <p>Mechanical room thermostat for controlling the room temperature of floor convectors with natural convection in combination with 24 V actuator head with an external 230 VAC / 24 VDC power supply.</p> <p>Direct control without power supply for the actuator head with a voltage of 230 VAC.</p> <p>Function open/closed.</p> <ul style="list-style-type: none"> ■ Operating voltage: 24 VDC or 230 VAC ■ Max. connections to the actuators: <ul style="list-style-type: none"> - 24 VAC – 10 × actuators ACT-24 VDC, article no 917190 or 917190 - 230 VAC – 30 × actuators ACT-230 V, article no 917110 ■ Adjustable control parameters ■ Temperature range: 10 to 30 °C ■ Degree of protection: IP30 ■ Dimensions: 83×83×40 mm 		White	895530	Control unit UN models	85,13
<p>Remote control</p> <p>Thermostat with integrated fluid sensor, for controlling the room temperature of floor convectors with natural convection, proportional controller without auxiliary energy blockage, limitation and restriction of the reference value range possible, threaded connection M30x1.5 with 5 m capillary tube</p> <p>Temperature range: 9 to 26 °C Frost protection temperature 9 °C Mode: proportional control Operating temperature: no additional energy</p> <p>Dimensions: 75 × 75 mm, sensor ø 50 × 68 mm</p>		White RAL9016	895520	Control unit UN models	183,17

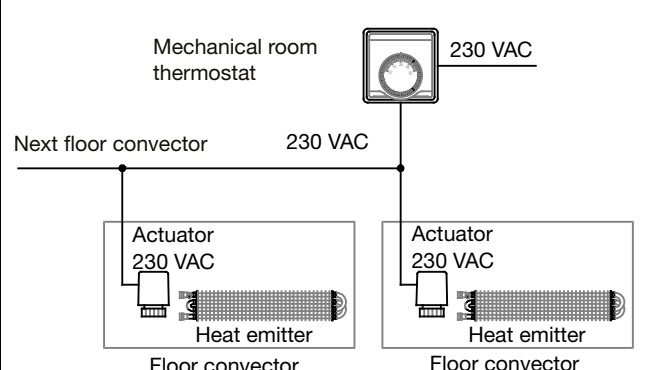
Actuators and power supplies

Description	Accessories	design	Article no.	Application	Price €
<p>24 VDC electrothermal actuator</p> <p>ACT-24VDC-3M cable length 3 m ACT-24VDC-5M cable length 5 m</p> <p>Open/close function (NC normally closed, without voltage closed), input voltage: 24 V DC, input at operation: 4 W, power consumption: 1 W, opening/closing time: 240 s, IP54 cover of the casing, adapter to valve: M30×1.5 mm (with adapter), total height at max. lift : 63 mm</p> <p>Optional accessories: Switching relay RLA-24VDC in the case of more than 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat)</p>		black	917180 917190	Control UFT models or UN models with additional power supply	176,73 201,89
<p>230 V electrothermal actuator</p> <p>ACT-230V-3M cable length 3 m</p> <p>Open/close function (NC normally closed, without voltage closed), input voltage: 230 V AC, opening/closing time: 240 s, IP54 cover of the casing, adapter to valve: M30×1.5 mm (with adapter), total height at max. lift : 63 mm</p> <p>Optional accessories: Switching relay RLA-24VDC in the case of more than 4 actuators (manual room thermostat) or more than 10 actuators (digital room thermostat)</p>		black	917110	Control unit UN models	101,50

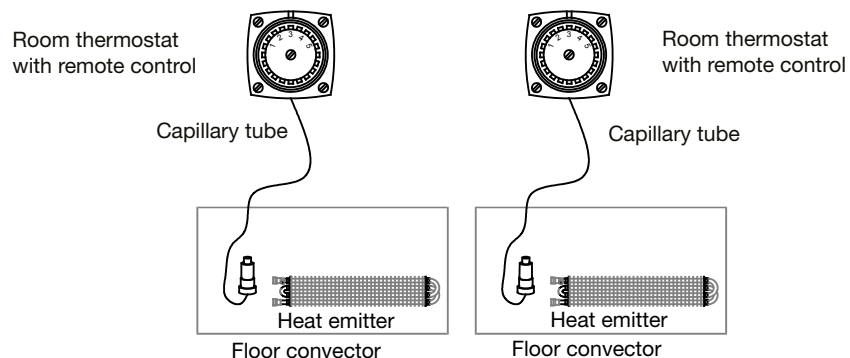
Room thermostat for connection of UN models with 24 VDC actuators and additional power supply



Room thermostat for connection of UN models with 230 VAC actuators



Room thermostat for connection of UN models with remote control



Valves, actuators and general accessories

Description	Accessories	Design	Article-No.	Price €	Application
<p>Relays 24 V RLA-24VDC On the thermostat CU-24 VDC-LCD 10 actuators or 4 actuators at CU-24 VDC-MAN can be connected. If the number of installed actuators is higher use relays RLA-24 VDC according to the electric scheme 2.</p> <p>Voltage in winding 24V DC, IP 20 max. switching current 12A, without voltage closed, max. operating temperature -10 to 60 °C, LxHxD: 37x39x20 mm</p>		White	895180	185,05	Control UFT models
<p>Power supply PSP-24VDC Converts mains voltage of 230V AC to safe voltage of 24V DC, power supply ready for installation on DIN rail, IP 20.</p> <p>For the placement provide sufficient space in the switchboard. PSP-24VDC-60W and PSP-24VDC-100W may be installed in the box COB-234 for in-wall installation. Max. distance from trench heater: 40 m.</p> <p>The power supplies are to be sized according to the number of installed trench heaters and have to be placed outside of the trench heater in a switch box or in a collecting box. A power reserve of 5% is to be provided.</p> <p>On request power supply IP67 integrated in casing (See page 20).</p>					
<p>Power supply PSP-24VDC-60W Output: 24V / 2.5A / 60W L x H x D: 52.5 x 90 x 54.5 mm</p>			895130	168,24	Control UFT models
<p>Power supply PSP-24VDC-100W Output: 24V / 4.5A / 100W L x H x D: 70 x 90 x 54.5 mm</p>			895140	319,64	Control UFT models
<p>Power supply PSP-24VDC-240W Output: 24V / 10A / 240W L x H x D: 125,2 x 100 x 125,5 mm</p> <p>NEW from 2022: L x H x D: 63 x 125.2 x 113.5 mm</p>		 from 2022	895150	420,62	Control UFT models
<p>Power supply PSP-24VDC-480W Output: 24V / 20A / 480W L x H x D: 227 x 125 x 100 mm</p> <p>NEW from 2022: L x H x D: 85.5 x 125.2 x 128.5 mm</p>		 from 2022	895160	723,43	Control UFT models

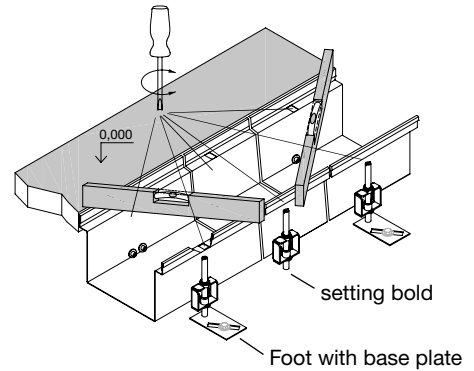
Valves, actuators and general accessories

Description

Setting feet adjustable from top

Feet adjustable with turnable base plate 73 x 40 mm and setting bold

- Height and adjustable range depending on model as per table below
- M8 screw adjustable from top trough punch out in casing under grille
- Delivery mounted ex works at order together with trench heater




Quantity of setting feet with base plate and setting bolts for walkable stability:





Length of trench heater	Quantity of setting feet with base plate	Quantity of setting bolts
700 – 900 mm	4	0
901 – 1400 mm	4	2
1401 – 1900 mm	4	4
1901 – 2400 mm	4	6
2401 – 2900 mm	4	8
2901 – 3400 mm	6	8
3401 – 3900 mm	6	10
3901 – 4400 mm	6	12
4401 – 4800 mm	6	14

Model	Height total	Adjustable range	
UFT-07-..	72 – 92 mm	2 – 20 mm	
UN-09-.. UFT-09-..	95 – 135 mm	5 – 45 mm	
UFT-11-.. UN-11-..	120 – 180 mm	10 – 70 mm	
UFT-14-.. UN-14-..	155 – 210 mm		
UN-19-..	200 – 260 mm		






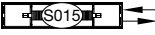
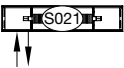
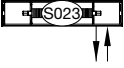
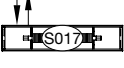

Valves, actuators and general accessories

Description	Accessories	Design	Article No.	Price €	Application																				
<p>Floor bracket</p> <ul style="list-style-type: none"> ■ 60 to 300 mm shortable on site ■ at order together with trench heater holes and press nuts are made on casing from works <p>Quantities of floor brackets for walkable stability:</p> <table border="1"> <thead> <tr> <th>Length of trench heater [mm]</th> <th>Quantity of floor brackets [pcs]</th> </tr> </thead> <tbody> <tr> <td>700 to 900</td> <td>4</td> </tr> <tr> <td>901 to 1400</td> <td>6</td> </tr> <tr> <td>1401 to 1900</td> <td>8</td> </tr> <tr> <td>1901 to 2400</td> <td>10</td> </tr> <tr> <td>2401 to 2900</td> <td>12</td> </tr> <tr> <td>2901 to 3400</td> <td>14</td> </tr> <tr> <td>3401 to 3900</td> <td>16</td> </tr> <tr> <td>3901 to 4400</td> <td>18</td> </tr> <tr> <td>4401 to 4800</td> <td>20</td> </tr> </tbody> </table>	Length of trench heater [mm]	Quantity of floor brackets [pcs]	700 to 900	4	901 to 1400	6	1401 to 1900	8	1901 to 2400	10	2401 to 2900	12	2901 to 3400	14	3401 to 3900	16	3901 to 4400	18	4401 to 4800	20		Galvanised	106730	55,78	For unfinished floor installation and intermediate floors
Length of trench heater [mm]	Quantity of floor brackets [pcs]																								
700 to 900	4																								
901 to 1400	6																								
1401 to 1900	8																								
1901 to 2400	10																								
2401 to 2900	12																								
2901 to 3400	14																								
3401 to 3900	16																								
3901 to 4400	18																								
4401 to 4800	20																								

Valves, actuators and general accessories

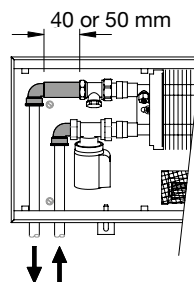
Description	Accessories	Design	Article-No.	Price €	Application
<p>Box for power supply COB-234 Cover with screws, e.g. when more supplies need to be installed or when space in the switchboard is not sufficient. For the optional installation of the power supplies PSP-24VDC-60W and PSP- 24VDC-100W, for installation on DIN rail, under plaster mounting, LxHxD: 234x176x79 mm</p>		White	895170	75,8	Control UFT models
<p>Temperature sensor SNS-HEX-2.5M Monitors temperature of flow. When heat emitter is cold it will not switch on fans and actuators. Recommended to prevent operation if the heat emitter is cold or in the summer. Positioning at flow or return on main pipes/ring circuit/distributor outside of trench heater.</p> <p>Connection to thermostat CU-24VDC-LCD, measuring range 0-40 °C, measuring sensor NTC, 3 Ω at 25 °C, measuring accuracy at 25 °C: ±0,3 K, cable length approx. 2,5 m, can be adjusted, max. total length 80 m, temperature range 0-49 °C, incl. clamp and zip tie for mounting.</p> <p>The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.</p>		Black	917370	100,97	Control UFT models
<p>Room temperature sensor RSNS-NTC Measures room temperature on a different room than the place where the thermostat CU-24VDC-LCD is installed.</p> <p>Connection to thermostat CU-24VDC-LCD, measuring range 0-40 °C, measuring sensor NTC, 3 Ω at 25 °C, measuring accuracy at 25 °C: ±0,3 K, IP30, operating temperature 0-50 °C, relative humidity <85%, LxHxD: 97x100x36mm.</p> <p>The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.</p>		White RAL9003	917380	109,45	Control UFT models
<p>Remote control RC-24VDC-IR Infrared remote control for use with room thermostat U-24VDC-LCD. Communication between remote control and room thermostat is uni-directional. The digital display shows the actual setting. Any changes made directly on the room thermostat will not be synchronised with the remote control.</p> <p>Selection of operating mode: Comfort, Auto Timer or protection, adjustment of room temperature set point in Comfort mode.</p> <p>Selection of fan mode: automatic or manual fan speed, operating distance (infrared transceiver), effective range ≤7,5 m, orientation angle ≤ ± 30°</p>		White	895120	126,25	Control UFT models

Valve Compatibility Table - UN Models

Model	Individual Convector	Accessory			
		829192	829162	Connection set	917110
	Same end connection			 1x 2x	
All UN models	Same side, at front on left 	✓	✓		✓
	Same side, on right 				
UN-09-21 UN-09-25 UN-09-42	Same side, room side left 	✓	✓	841790	✓
UN-09-17, -34 UN-11-17, 21, -25, -34, -42 UN-14-17, 21, -25, -34, -42 UN-19-17, 21, -25, -34, -42	Same side, room side right 	✓	✓	841780	✓
UN-09-21 UN-09-25 UN-09-42	Same side, window side left 	✓	✓	841790	✓
UN-09-17, -34 UN-11-17, 21, -25, -34, -42 UN-14-17, 21, -25, -34, -42 UN-19-17, 21, -25, -34, -42	Same side, window side right 	✓	✓	841780	✓

841780 Connection set 40 mm
841790 Connection set 50 mm

Valve, lockshield, connections set and thermal actuator position, as per technical drawing of corresponding model at page 36 to 55.



Valve Compatibility Table - UFT Models

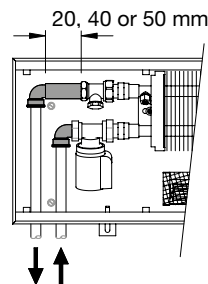
Model	Individual Convector	Accessory			
		829192	829162	Connection set	917180 or 917190
				 1x 2x	
	Same end connection			 1x 2x	
All UFT models	Same side, at front on left 	✓	✓		✓
	Same side, on right 				
UFT-07-25	Same side, room side left 	✓	✓	841780	✓
UFT-07-34		✓	✓	841910	✓
UFT-09-17, 21, - 25, -34 UFT-11-17, 21, - 25, -34 UFT-14-17, 21, - 25, -34 UFT-19-17, 21, - 25, -34	Same side, room side right 	✓	✓	841790	✓
UFT-07-25	Same side, window side left 	✓	✓	841780	✓
UFT-07-34	Same side, window side right 	✓	✓	841910	✓
UFT-09-17, 21, - 25, -34 UFT-11-17, 21, - 25, -34 UFT-14-17, 21, - 25, -34 UFT-19-17, 21, - 25, -34		✓	✓	841790	✓

841910 Connection set 20 mm

841780 Connection set 40 mm

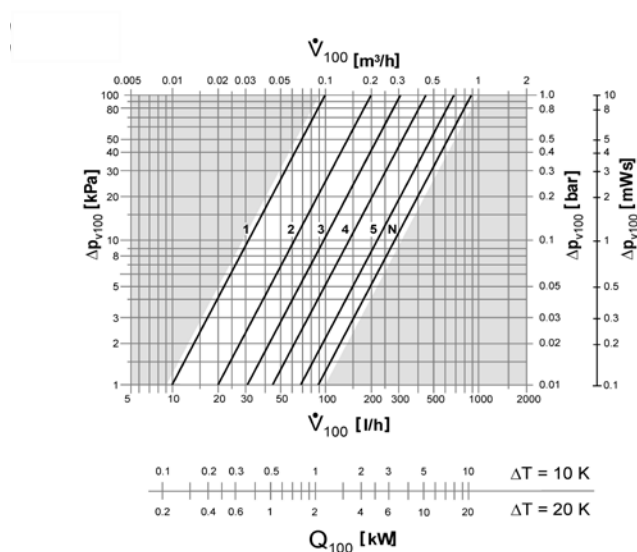
841790 Connection set 50 mm

Valve, lockshield, connections set and thermal actuator position, as per technical drawing of corresponding model at page 56 to 69.



Pressure loss diagram valves

Diagram thermostatic valve straight (Siemens VDN215 straight)

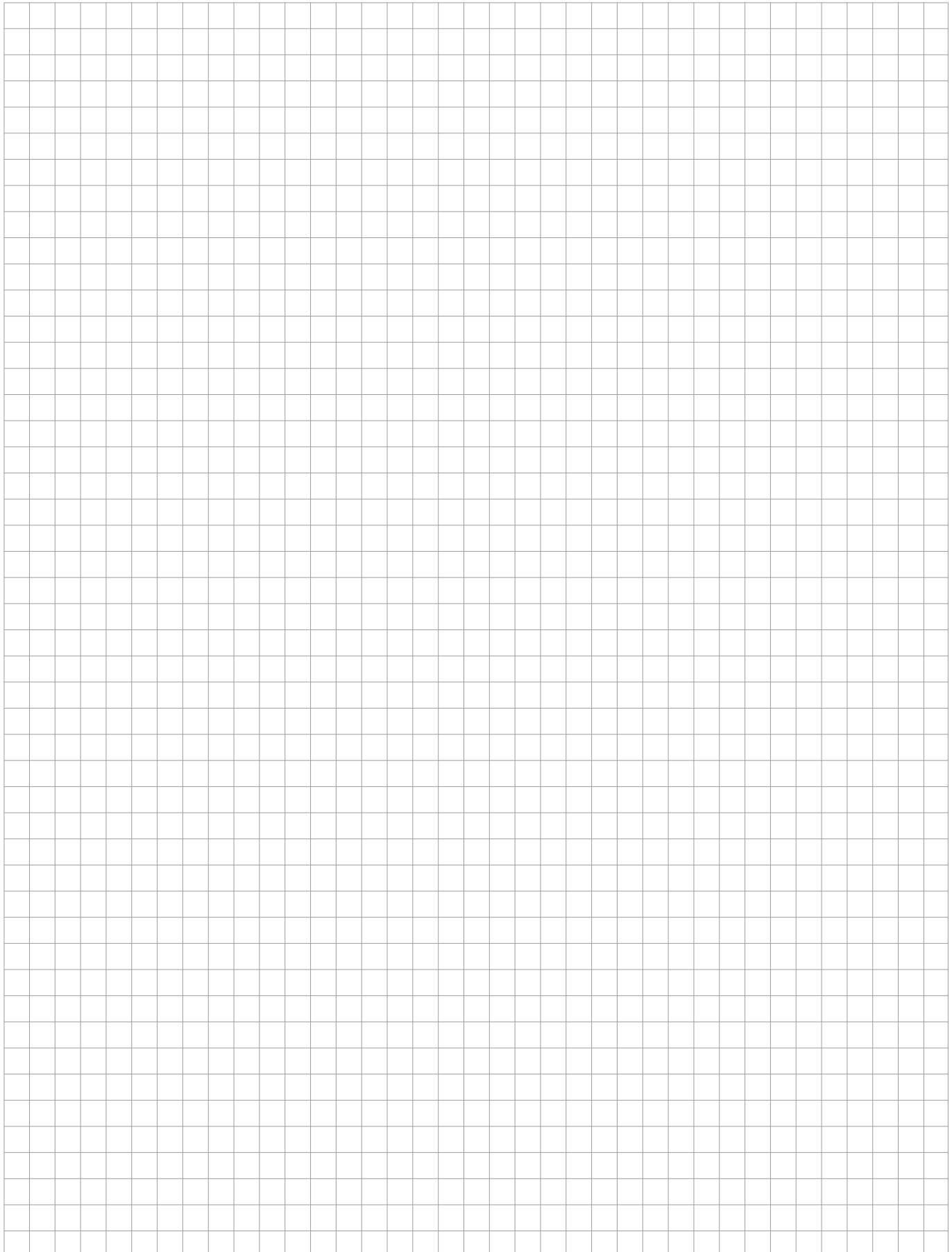


Kv values lockshields (straight) (COMAP 2429 R1/2" straight)

T - Speed	0.5	0.75	1	1.5	2	2.5	3	3.5	4	5	6	Max.
Kv (m ³ /h) - straight version	0.3	0.4	0.55	0.75	0.91	1.05	1.25	1.33	1.4	1.6	1.7	1.8

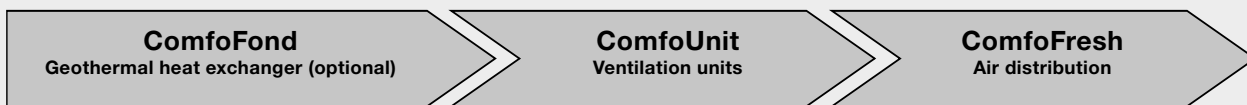
Zehnder Terraline Neo tender specification

Quantity (pc.)	Item	Tender specification	Price
	Item: 1	<p>Model UFT:</p> <p>Zehnder Terraline Neo trench heater, version for fan-assisted convection with 24 V EC cross-flow fan and protective cover.</p> <p>Tray made from galvanised flat steel, with screws for adjusting level.</p> <p>Heat emitter made from copper tubes with robust aluminium fins.</p> <p>Tray and heating element, powder coated (RAL 9005 jet black).</p> <p>Same-end connections 1/2", incl. vent.</p> <p>Elegant edge profile made from anodised aluminium with pre-fixed impact-noise insulation.</p> <p>Robust walk-on low transverse grille, made from natural anodised aluminium profiles.</p> <p>Delivered with cover plate for protection during installation.</p> <p>Control via room thermostat with manual fan speeds (3 levels) or automatic fan speeds (continuous).</p> <p>Thermal output tested to EN 16430.</p> <p>Casing with internal M8 x 50 mm adjusting screws for simple alignment of the trench heater and L-shaped mounting brackets for unfinished floor installation.</p> <p>Standard version with fitted designer frame with invisible fixing and inserted transverse grille made from natural anodised aluminium; grille dimensions 8 x 10 mm, profile spacing 9 mm, individual profile bars connected on black plastic bars, open cross section approx. 53%; trench heater packed ready to connect in stretch foil and rugged carton packing all round.</p> <p>Model: Standard thermal output, depending on length:W Height: 70 mm Length: 800 – 4,800 mm Depth: 255 / 340 mm Operating pressure: max. 10 bar Operating temperature: max. 110 °C</p> <p>Brand: Zehnder Terraline Neo Type: UFT-07.-...</p>
	Item: 2	<p>Rigid low transverse grille made from aluminium profiles on black plastic bars, finished in</p> <p>Black anodised aluminium:</p> <p>Bronze anodised aluminium:</p>
	Item: 3	<p>Surcharge for trench heater in special solution, connected, angled at 90°:</p>
	Item: 4	<p>Surcharge for special lengths of trench heater:</p>

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Zehnder comfortable indoor ventilation

Functional principle



1. Fresh air is fed into the system via an external wall vent. The fresh outdoor air can optionally flow through the Zehnder ComfoFond-L sub-soil heat exchanger, which uses geothermal energy to pre-temper the outdoor air.

2. The Zehnder ComfoAir ventilation unit recovers up to 95% of the energy from the extract air and returns it to the fresh air. This can be humidified, dehumidified and pre-tempered using optional components.

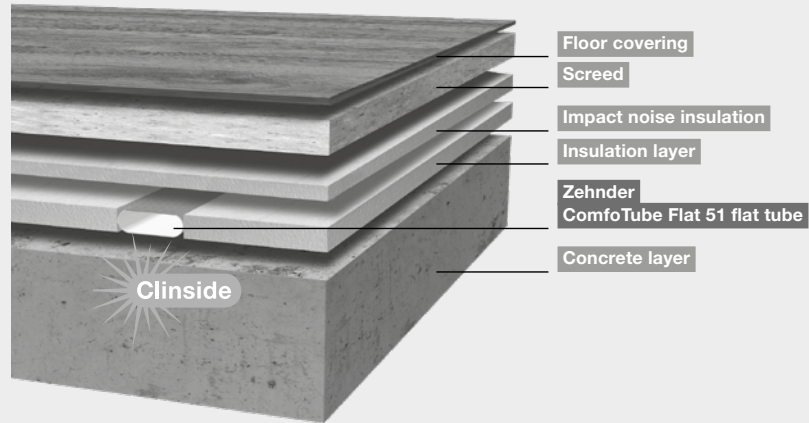
3. The Zehnder ComfoFresh air distribution system channels fresh air at the right temperature to individual rooms as needed and vents the extract air to the outside. The air volume can be individually adjusted for each room.



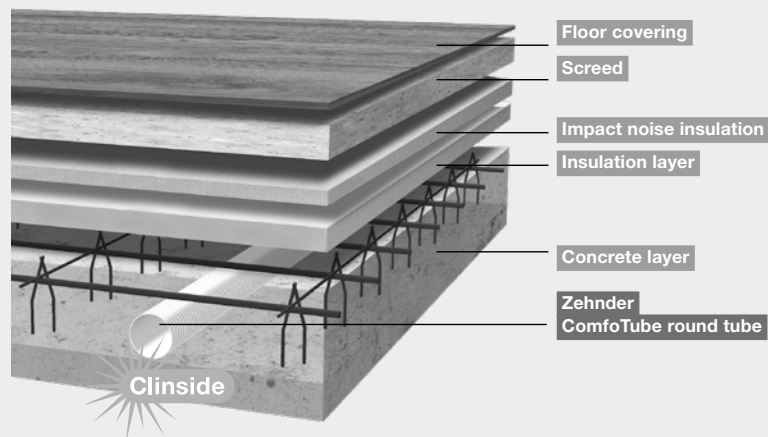
Air distribution system – effective and hygienic

There are two versions of air distribution systems available: Zehnder OnFloor and InFloor. In both cases, the volume of air is regulated as required. They are characterised by the ease with which they can be integrated into the building and their rapid installation. In the case of Zehnder OnFloor, fresh air flows through flat, oval ducts with an internal coating, which are installed in the insulation layer of the unfinished floor. Zehnder InFloor functions on the same principle, only the round tubes are laid in the unfinished floor. Both versions Zehnder InFloor and OnFloor can be combined and thus offer maximum versatility.

The air distribution system with flat tube for cover, wall and floor (Zehnder OnFloor)

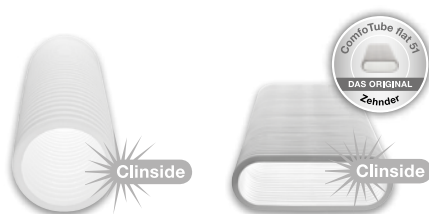


The air distribution system with round tube for cover, wall and floor (Zehnder InFloor)

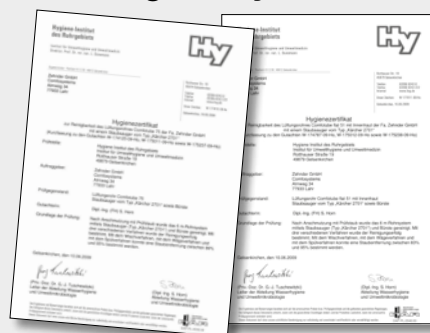


- Easy to install, flexible pipes
- High-quality food grade plastic (HDPE)
- Clinside smooth inner skin for clean tubes
- Centrally and peripherally adjustable airflow rates
- Low pressure loss
- Easy to clean

Tested cleaning ability



Clean thanks to Clinside: The smooth inner skin prevents the build-up of dust. Cleaning is easy.



Certificates issued by a recognised hygiene institute.

Zehnder comfortable indoor ventilation

Advantages

- Optimum oxygen and draught-free air supply promote your health
- Hypo-allergenic
- Filtering out pollutants
- Retention of the property's value by preventing mould from developing in the building's basic structure
- Energy saving through heat recovery
- Protects against outside noise



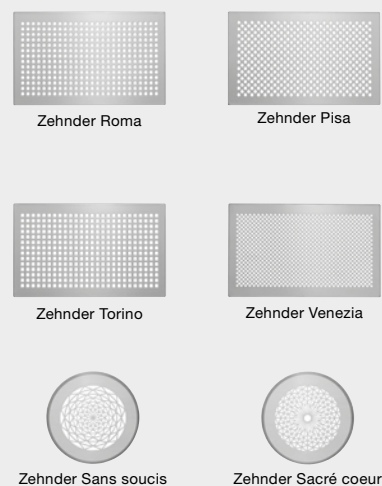
Zehnder ComfoAir ventilation units

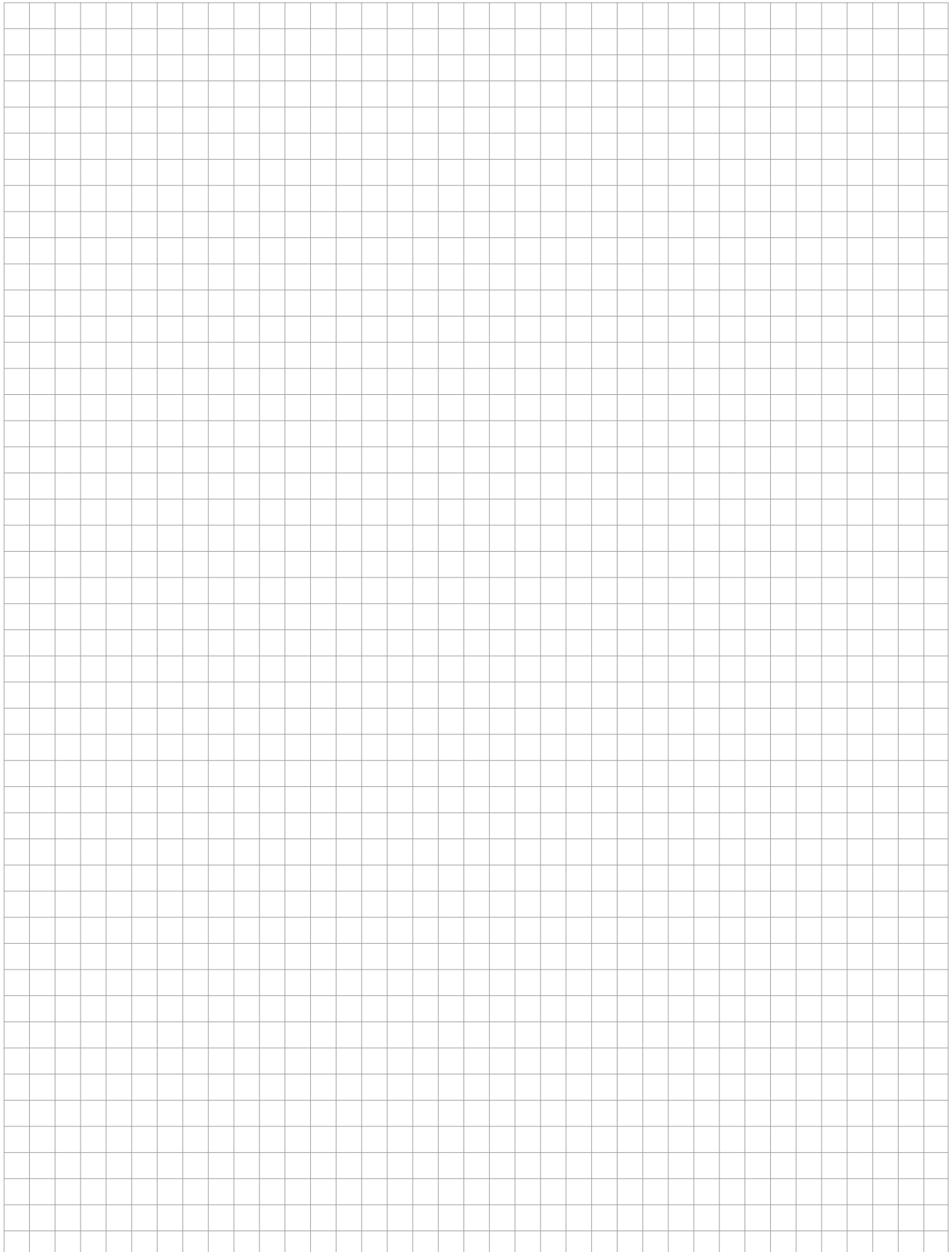
- For use in demanding residential and commercial buildings
- Up to 95% heat recovery by cross-counterflow heat exchanger
- Fans with extremely efficient EC motors
- 100% automatic bypass
- Option: Electric pre-heater or enthalpy exchanger



Zehnder designer grilles

- Elegant and discreet
- For every interior
- Surface-mounted and flush-mounted version
- Available in white or stainless steel
- Suitable for displacement ventilation



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