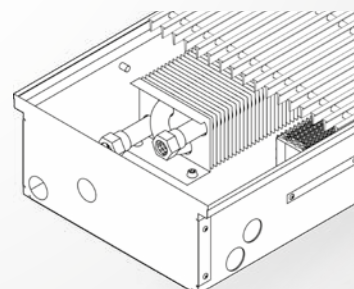
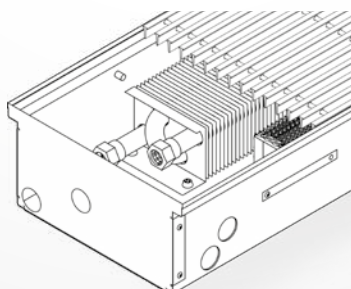
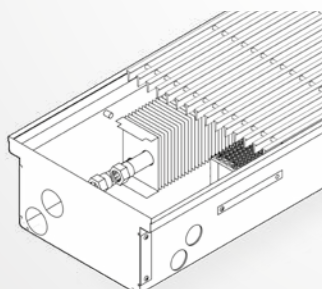
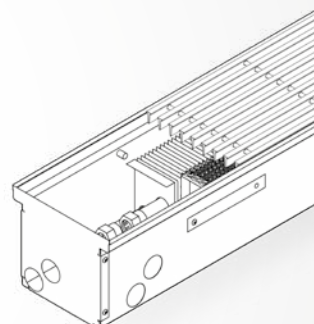
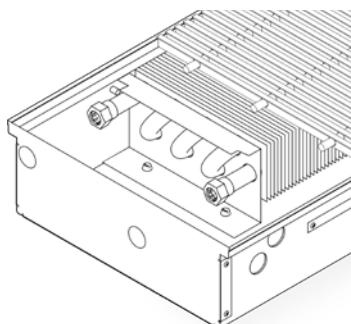
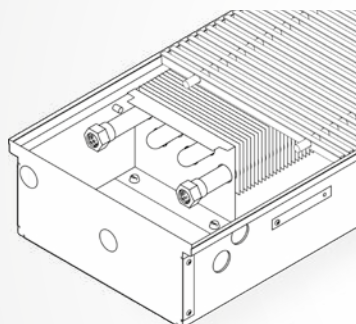
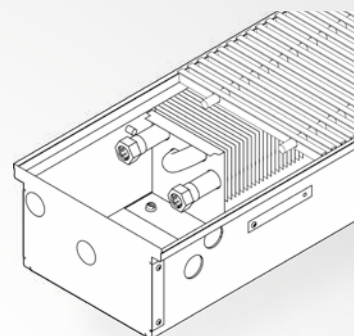
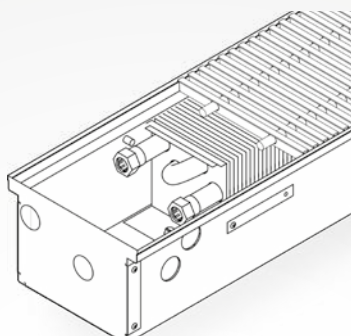
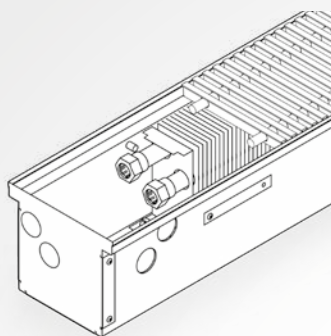


Zehnder Terraline, Zehnder Terraline Neo

Trench heaters made-to-measure
Technical Documentation



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 four 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.



Decorative radiators

Our individual decorative radiators for living and bathrooms make a home not only warmer but also more attractive. Created by renowned designers, they impress with excellent functionality.

OUR BRANDS EMBRACE 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 systems and clean air solutions.

BISQUE

The Bisque brand offers beautiful but practical radiators in the most exciting styles, colours and shapes for homes and more.



First choice for customers

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

INNOVATION OVER 4 GENERATIONS

MANUFACTURER
OF THE WORLD'S

1st

STEEL AND BATHROOM
RADIATOR

REPRESENTED
IN MORE THAN

70 COUNTRIES

AROUND
3,000
EMPLOYEES

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

INNOVATION SINCE **1895**
830 PATENTS AND
DESIGN RIGHTS THROUGHOUT
THE WORLD

MORE THAN **20,000**
CUSTOMER TRAINING SESSIONS PER YEAR

INDOOR CLIMATE



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.



Heating and cooling ceiling systems

Zehnder ceiling systems are convenient and energy-efficient for heating and cooling. They are perfectly attuned to the relevant environment.



Clean air solutions

Clean air systems from Zehnder reduce the level of dust in the air, create a healthier working environment and reduce the amount of cleaning required.



The Greenwood Airvac brand offers a range of low energy, smart residential ventilation solutions from intermittent extract fans to whole house ventilation with heat recovery.

BEST QUALITY CERTIFICATES

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



reddot award 2016
best of the best

Zehnder Terraline, Zehnder Terraline Neo



	Overview of models	Product description	Special versions	Connections	Technical specifications	Installation / fixing
Zehnder Terraline – Version with natural convection						
 ■ High-quality finish ■ Quick response time ■ Wide range of models	6	8	22	34	36	70
Zehnder Terraline Neo – Version with fan-assisted convection						
 ■ 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



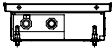
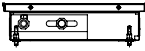
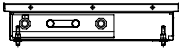
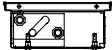
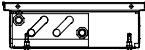
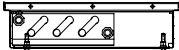
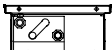
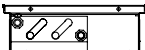
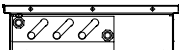
Type UN-...-25



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



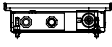
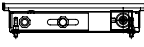
Type UFT...-21



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 the 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 jet 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
- Floor brackets 10 to 70 mm or 60 to 300 mm

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 ½"
- 1 air vent ⅛"
- 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
- Covers for invisible connection

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 ½" 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 in 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
- Floor brackets 10 to 70 mm or 60 to 300 mm
- Power supply IP67 integrated in casing

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

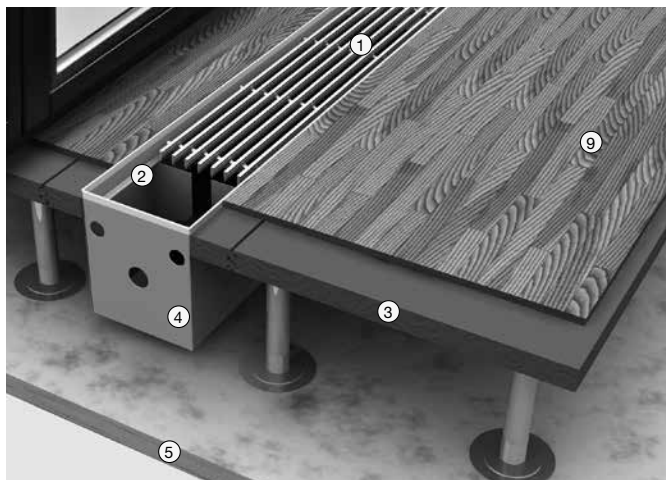
- Casing made from galvanised sheet steel, inside painted in RAL 9005 jet black, heat emitter from copper pipes and aluminium fins painted in RAL 9005 jet black
- Tangential fans 24 V EC with protection grille
- Clamp (white) 4-pole
- Designer linear grille in natural anodised aluminium (except for 70 mm heights)
- Designer frame in natural anodised aluminium
- Connections 2 x ½"
- 1 air vent ⅛"
- 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
- Covers for invisible connection

Zehnder Terraline, Zehnder Terraline Neo



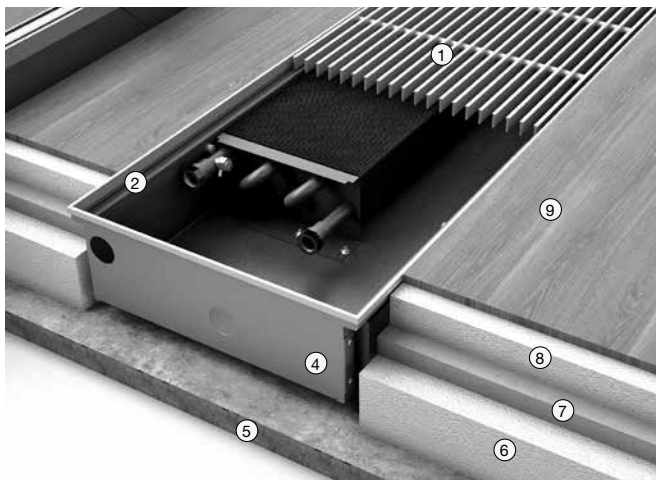
Trench heaters are suitable for a wide range of applications. In modern business premises, large reception areas or private rooms, these built-in floor radiators for central heating operation work best when positioned in front of floor-to-ceiling windows and glass-fronted buildings. Zehnder Terraline offers an elegant alternative wherever freestanding 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 EN442

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
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s
		Watts	Watts	Watts	Watts	Watts
800		118	164	208	247	289
900		141	196	249	296	346
1000		165	229	290	345	403
1100		188	261	331	394	460
1200		211	293	373	443	517
1300		235	326	414	492	574
1400		258	358	455	541	632
1500		281	391	496	590	689
1600		305	423	537	639	746
1700		328	456	578	688	803
1800		351	488	620	737	860
1900		375	521	661	786	917
2000		398	553	702	835	974
2100		421	585	743	884	1032
2200		445	618	784	933	1089
2300		468	650	825	982	1146
2400		491	683	867	1031	1203
2500		515	715	908	1080	1260
2600		538	748	949	1129	1317
2700		561	780	990	1178	1375
2800		585	812	1031	1227	1432
2900		608	845	1072	1276	1489
3000		631	877	1114	1325	1546
3100		655	910	1155	1374	1603
3200		678	942	1196	1423	1660
3300		702	975	1237	1472	1718
3400		725	1007	1278	1521	1775
3500		748	1039	1319	1570	1832
3600		772	1072	1361	1619	1889
3700		795	1104	1402	1668	1946
3800		818	1137	1443	1717	2003
3900		842	1169	1484	1766	2060
4000		865	1202	1525	1815	2118
4100		888	1234	1567	1864	2175
4200		912	1266	1608	1913	2232
4300		935	1299	1649	1962	2289
4400		958	1331	1690	2011	2346
4500		982	1364	1731	2060	2403
4600		1005	1396	1772	2109	2461
4700		1028	1429	1814	2158	2518
4800		1052	1461	1855	2207	2575

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 EN442

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
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s
		Watts	Watts	Watts	Watts	Watts
800		143	179	243	314	349
900		171	215	292	376	418
1000		199	251	340	438	487
1100		228	286	388	500	556
1200		256	322	436	562	625
1300		284	357	484	624	695
1400		313	393	532	686	764
1500		341	428	581	748	833
1600		369	464	629	810	902
1700		397	499	677	873	971
1800		426	535	725	935	1040
1900		454	570	773	997	1109
2000		482	606	822	1059	1178
2100		511	641	870	1121	1248
2200		539	677	918	1183	1317
2300		567	712	966	1245	1386
2400		596	748	1014	1307	1455
2500		624	784	1062	1369	1524
2600		652	819	1111	1431	1593
2700		680	855	1159	1494	1662
2800		709	890	1207	1556	1731
2900		737	926	1255	1618	1800
3000		765	961	1303	1680	1870
3100		794	997	1352	1742	1939
3200		822	1032	1400	1804	2008
3300		850	1068	1448	1866	2077
3400		878	1103	1496	1928	2146
3500		907	1139	1544	1990	2215
3600		935	1174	1593	2052	2284
3700		963	1210	1641	2115	2353
3800		992	1246	1689	2177	2422
3900		1020	1281	1737	2239	2492
4000		1048	1317	1785	2301	2561
4100		1076	1352	1833	2363	2630
4200		1105	1388	1882	2425	2699
4300		1133	1423	1930	2487	2768
4400		1161	1459	1978	2549	2837
4500		1190	1494	2026	2611	2906
4600		1218	1530	2074	2673	2975
4700		1246	1565	2123	2736	3045
4800		1274	1601	2171	2798	3114

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 EN442

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
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s
		Watts	Watts	Watts	Watts	Watts
800		146	190	279	413	505
900		175	228	334	495	605
1000		203	265	389	576	705
1100		232	303	444	658	804
1200		261	340	500	740	904
1300		290	378	555	822	1004
1400		319	416	610	904	1104
1500		348	453	665	985	1204
1600		377	491	720	1067	1304
1700		406	528	776	1149	1404
1800		434	566	831	1231	1504
1900		463	604	886	1312	1604
2000		492	641	941	1394	1704
2100		521	679	996	1476	1804
2200		550	716	1052	1558	1904
2300		579	754	1107	1639	2004
2400		608	792	1162	1721	2104
2500		636	829	1217	1803	2204
2600		665	867	1272	1885	2304
2700		694	904	1328	1966	2403
2800		723	942	1383	2048	2503
2900		752	980	1438	2130	2603
3000		781	1017	1493	2212	2703
3100		810	1055	1548	2294	2803
3200		839	1092	1604	2375	2903
3300		867	1130	1659	2457	3003
3400		896	1168	1714	2539	3103
3500		925	1205	1769	2621	3203
3600		954	1243	1824	2702	3303
3700		983	1280	1880	2784	3403
3800		1012	1318	1935	2866	3503
3900		1041	1356	1990	2948	3603
4000		1069	1393	2045	3029	3703
4100		1098	1431	2100	3111	3803
4200		1127	1468	2156	3193	3902
4300		1156	1506	2211	3275	4002
4400		1185	1544	2266	3356	4102
4500		1214	1581	2321	3438	4202
4600		1243	1619	2376	3520	4302
4700		1272	1657	2432	3602	4402
4800		1300	1694	2487	3684	4502

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 EN442

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
Total length*	mm	Φ_s	Φ_s	Φ_s	Φ_s	Φ_s
		Watts	Watts	Watts	Watts	Watts
800		164	227	270	427	597
900		197	272	324	511	715
1000		229	317	377	596	833
1100		262	362	430	680	952
1200		295	407	484	765	1070
1300		327	452	537	849	1188
1400		360	497	591	934	1306
1500		392	542	644	1019	1425
1600		425	587	698	1103	1543
1700		457	632	751	1188	1661
1800		490	677	805	1272	1779
1900		522	722	858	1357	1897
2000		555	767	912	1441	2016
2100		587	812	965	1526	2134
2200		620	857	1019	1610	2252
2300		653	902	1072	1695	2370
2400		685	947	1126	1779	2489
2500		718	991	1179	1864	2607
2600		750	1036	1233	1948	2725
2700		783	1081	1286	2033	2843
2800		815	1126	1340	2117	2961
2900		848	1171	1393	2202	3080
3000		880	1216	1446	2286	3198
3100		913	1261	1500	2371	3316
3200		945	1306	1553	2455	3434
3300		978	1351	1607	2540	3553
3400		1011	1396	1660	2625	3671
3500		1043	1441	1714	2709	3789
3600		1076	1486	1767	2794	3907
3700		1108	1531	1821	2878	4025
3800		1141	1576	1874	2963	4144
3900		1173	1621	1928	3047	4262
4000		1206	1666	1981	3132	4380
4100		1238	1711	2035	3216	4498
4200		1271	1756	2088	3301	4616
4300		1303	1801	2142	3385	4735
4400		1336	1846	2195	3470	4853
4500		1369	1891	2249	3554	4971
4600		1401	1936	2302	3639	5089
4700		1434	1981	2356	3723	5208
4800		1466	2026	2409	3808	5326

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	1.1382				1.2153			
Fan speed		0	1	2	3	0	1	2	3
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	63	315	439	498
900		64	321	477	543	79	393	549	622
1000		90	449	667	760	110	551	769	871
1100		90	449	667	760	110	551	769	871
1200		103	513	763	868	126	629	879	995
1300		116	578	858	977	142	708	989	1120
1400		128	642	953	1085	157	787	1098	1244
1500		141	706	1049	1194	173	865	1208	1369
1600		154	770	1144	1302	189	944	1318	1493
1700		154	770	1144	1302	189	944	1318	1493
1800		180	898	1335	1519	220	1101	1538	1742
1900		193	963	1430	1628	236	1180	1648	1866
2000		205	1027	1525	1736	252	1259	1757	1991
2100		218	1091	1621	1845	267	1337	1867	2115
2200		218	1091	1621	1845	267	1337	1867	2115
2300		244	1219	1811	2062	299	1495	2087	2364
2400		244	1219	1811	2062	299	1495	2087	2364
2500		257	1283	1907	2170	315	1573	2197	2488
2600		270	1348	2002	2279	330	1652	2307	2613
2700		282	1412	2097	2387	346	1731	2416	2737
2800		295	1476	2193	2496	362	1809	2526	2862
2900		308	1540	2288	2604	378	1888	2636	2986
3000		308	1540	2288	2604	378	1888	2636	2986
3100		334	1668	2479	2821	409	2045	2856	3235
3200		347	1733	2574	2930	425	2124	2966	3359
3300		347	1733	2574	2930	425	2124	2966	3359
3400		359	1797	2669	3038	441	2203	3075	3484
3500		372	1861	2765	3147	456	2281	3185	3608
3600		398	1989	2955	3364	488	2439	3405	3857
3700		398	1989	2955	3364	488	2439	3405	3857
3800		411	2053	3051	3472	503	2517	3515	3981
3900		424	2118	3146	3581	519	2596	3625	4106
4000		436	2182	3241	3689	535	2675	3734	4230
4100		449	2246	3337	3798	551	2753	3844	4355
4200		462	2310	3432	3906	566	2832	3954	4479
4300		462	2310	3432	3906	566	2832	3954	4479
4400		488	2438	3623	4123	598	2989	4174	4728
4500		501	2503	3718	4232	614	3068	4284	4852
4600		513	2567	3813	4340	629	3147	4393	4977
4700		526	2631	3909	4449	645	3225	4503	5101
4800		526	2631	3909	4449	645	3225	4503	5101

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 20

* 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	1.0716				1.0626			
Fan speed		0	1	2	3	0	1	2	3
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	71	357	509	629
900		66	330	498	627	89	446	636	786
1000		92	462	697	877	125	624	890	1101
1100		92	462	697	877	125	624	890	1101
1200		106	528	797	1003	143	713	1017	1258
1300		119	594	896	1128	161	803	1145	1415
1400		132	660	996	1253	178	892	1272	1573
1500		145	726	1095	1379	196	981	1399	1730
1600		158	792	1195	1504	214	1070	1526	1887
1700		158	792	1195	1504	214	1070	1526	1887
1800		185	924	1394	1755	250	1248	1780	2202
1900		198	990	1494	1880	268	1338	1908	2359
2000		211	1056	1593	2005	285	1427	2035	2516
2100		224	1122	1693	2131	303	1516	2162	2673
2200		224	1122	1693	2131	303	1516	2162	2673
2300		251	1254	1892	2381	339	1694	2416	2988
2400		251	1254	1892	2381	339	1694	2416	2988
2500		264	1320	1992	2507	357	1783	2543	3145
2600		277	1386	2091	2632	375	1873	2671	3302
2700		290	1452	2191	2757	392	1962	2798	3460
2800		304	1518	2290	2883	410	2051	2925	3617
2900		317	1584	2390	3008	428	2140	3052	3774
3000		317	1584	2390	3008	428	2140	3052	3774
3100		343	1716	2589	3259	464	2318	3306	4089
3200		356	1782	2689	3384	482	2408	3434	4246
3300		356	1782	2689	3384	482	2408	3434	4246
3400		370	1848	2788	3509	499	2497	3561	4403
3500		383	1914	2888	3635	517	2586	3688	4560
3600		409	2046	3087	3885	553	2764	3942	4875
3700		409	2046	3087	3885	553	2764	3942	4875
3800		422	2112	3187	4011	571	2853	4069	5032
3900		436	2178	3286	4136	589	2943	4197	5189
4000		449	2244	3386	4261	606	3032	4324	5347
4100		462	2310	3485	4387	624	3121	4451	5504
4200		475	2376	3585	4512	642	3210	4578	5661
4300		475	2376	3585	4512	642	3210	4578	5661
4400		502	2508	3784	4763	678	3388	4832	5976
4500		515	2574	3884	4888	696	3478	4960	6133
4600		528	2640	3983	5013	713	3567	5087	6290
4700		541	2706	4083	5139	731	3656	5214	6447
4800		541	2706	4083	5139	731	3656	5214	6447

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	1.0411				1.0272			
Fan speed		0	1	2	3	0	1	2	3
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		88	440	670	866	103	516	766	950
900		110	550	838	1083	129	645	958	1188
1000		154	771	1173	1516	181	904	1341	1663
1100		154	771	1173	1516	181	904	1341	1663
1200		176	881	1340	1732	207	1033	1532	1901
1300		198	991	1508	1949	232	1162	1724	2138
1400		220	1101	1675	2165	258	1291	1915	2376
1500		242	1211	1843	2382	284	1420	2107	2613
1600		264	1321	2010	2598	310	1549	2298	2851
1700		264	1321	2010	2598	310	1549	2298	2851
1800		308	1541	2345	3031	361	1807	2681	3326
1900		330	1651	2513	3248	387	1936	2873	3564
2000		352	1761	2680	3464	413	2065	3064	3801
2100		374	1871	2848	3681	439	2194	3256	4039
2200		374	1871	2848	3681	439	2194	3256	4039
2300		418	2092	3183	4114	491	2453	3639	4514
2400		418	2092	3183	4114	491	2453	3639	4514
2500		440	2202	3350	4330	516	2582	3830	4752
2600		462	2312	3518	4547	542	2711	4022	4989
2700		484	2422	3685	4763	568	2840	4213	5227
2800		506	2532	3853	4980	594	2969	4405	5464
2900		528	2642	4020	5196	620	3098	4596	5702
3000		528	2642	4020	5196	620	3098	4596	5702
3100		572	2862	4355	5629	671	3356	4979	6177
3200		594	2972	4523	5846	697	3485	5171	6415
3300		594	2972	4523	5846	697	3485	5171	6415
3400		616	3082	4690	6062	723	3614	5362	6652
3500		638	3192	4858	6279	749	3743	5554	6890
3600		683	3413	5193	6712	800	4002	5937	7365
3700		683	3413	5193	6712	800	4002	5937	7365
3800		705	3523	5360	6928	826	4131	6128	7603
3900		727	3633	5528	7145	852	4260	6320	7840
4000		749	3743	5695	7361	878	4389	6511	8078
4100		771	3853	5863	7578	904	4518	6703	8315
4200		793	3963	6030	7794	929	4647	6894	8553
4300		793	3963	6030	7794	929	4647	6894	8553
4400		837	4183	6365	8227	981	4905	7277	9028
4500		859	4293	6533	8444	1007	5034	7469	9266
4600		881	4403	6700	8660	1033	5163	7660	9503
4700		903	4513	6868	8877	1058	5292	7852	9741
4800		903	4513	6868	8877	1058	5292	7852	9741

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	1.0844				1.0653			
Fan speed		0	1	2	3	0	1	2	3
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		50	252	388	468	77	386	547	670
900		63	315	485	585	97	483	684	838
1000		88	442	679	819	135	676	958	1173
1100		88	442	679	819	135	676	958	1173
1200		101	505	776	936	154	772	1095	1341
1300		114	568	873	1053	174	869	1232	1508
1400		126	631	970	1170	193	965	1368	1676
1500		139	694	1067	1287	212	1062	1505	1843
1600		151	757	1164	1404	232	1158	1642	2011
1700		151	757	1164	1404	232	1158	1642	2011
1800		177	883	1358	1638	270	1351	1916	2346
1900		189	946	1455	1755	290	1448	2053	2514
2000		202	1009	1552	1872	309	1544	2189	2681
2100		214	1072	1649	1989	328	1641	2326	2849
2200		214	1072	1649	1989	328	1641	2326	2849
2300		240	1199	1843	2223	367	1834	2600	3184
2400		240	1199	1843	2223	367	1834	2600	3184
2500		252	1262	1940	2340	386	1930	2737	3352
2600		265	1325	2037	2457	405	2027	2874	3519
2700		278	1388	2134	2574	425	2123	3010	3687
2800		290	1451	2231	2691	444	2220	3147	3854
2900		303	1514	2328	2808	463	2316	3284	4022
3000		303	1514	2328	2808	463	2316	3284	4022
3100		328	1640	2522	3042	502	2509	3558	4357
3200		341	1703	2619	3159	521	2606	3695	4525
3300		341	1703	2619	3159	521	2606	3695	4525
3400		353	1766	2716	3276	540	2702	3831	4692
3500		366	1829	2813	3393	560	2799	3968	4860
3600		391	1956	3007	3627	598	2992	4242	5195
3700		391	1956	3007	3627	598	2992	4242	5195
3800		404	2019	3104	3744	618	3088	4379	5363
3900		416	2082	3201	3861	637	3185	4516	5530
4000		429	2145	3298	3978	656	3281	4652	5698
4100		442	2208	3395	4095	676	3378	4789	5865
4200		454	2271	3492	4212	695	3474	4926	6033
4300		454	2271	3492	4212	695	3474	4926	6033
4400		479	2397	3686	4446	733	3667	5200	6368
4500		492	2460	3783	4563	753	3764	5337	6536
4600		505	2523	3880	4680	772	3860	5473	6703
4700		517	2586	3977	4797	791	3957	5610	6871
4800		517	2586	3977	4797	791	3957	5610	6871

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-11-25				UFT-11-34			
Depth*	mm	255				340			
Exponent	n	1.0177				1.0879			
Fan speed		0	1	2	3	0	1	2	3
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		113	566	837	1059	113	595	845	1028
900		142	708	1046	1324	141	744	1057	1285
1000		198	991	1464	1853	198	1042	1479	1799
1100		198	991	1464	1853	198	1042	1479	1799
1200		227	1133	1673	2118	226	1191	1691	2056
1300		255	1274	1883	2383	255	1340	1902	2313
1400		283	1416	2092	2648	283	1488	2113	2570
1500		311	1557	2301	2912	311	1637	2325	2827
1600		340	1699	2510	3177	339	1786	2536	3084
1700		340	1699	2510	3177	339	1786	2536	3084
1800		396	1982	2928	3707	396	2084	2959	3598
1900		425	2124	3138	3971	424	2233	3170	3855
2000		453	2265	3347	4236	452	2381	3381	4112
2100		481	2407	3556	4501	481	2530	3593	4369
2200		481	2407	3556	4501	481	2530	3593	4369
2300		538	2690	3974	5030	537	2828	4015	4883
2400		538	2690	3974	5030	537	2828	4015	4883
2500		566	2832	4183	5295	566	2977	4227	5140
2600		595	2973	4393	5560	594	3126	4438	5397
2700		623	3115	4602	5825	622	3274	4649	5654
2800		651	3256	4811	6089	650	3423	4861	5911
2900		680	3398	5020	6354	679	3572	5072	6168
3000		680	3398	5020	6354	679	3572	5072	6168
3100		736	3681	5438	6884	735	3870	5495	6682
3200		765	3823	5648	7148	764	4019	5706	6939
3300		765	3823	5648	7148	764	4019	5706	6939
3400		793	3964	5857	7413	792	4167	5917	7196
3500		821	4106	6066	7678	820	4316	6129	7453
3600		878	4389	6484	8207	877	4614	6551	7967
3700		878	4389	6484	8207	877	4614	6551	7967
3800		906	4531	6693	8472	905	4763	6763	8224
3900		934	4672	6903	8737	933	4912	6974	8481
4000		963	4814	7112	9002	961	5060	7185	8738
4100		991	4955	7321	9266	990	5209	7397	8995
4200		1019	5097	7530	9531	1018	5358	7608	9252
4300		1019	5097	7530	9531	1018	5358	7608	9252
4400		1076	5380	7948	10061	1075	5656	8031	9766
4500		1104	5522	8158	10325	1103	5805	8242	10023
4600		1133	5663	8367	10590	1131	5953	8453	10280
4700		1161	5805	8576	10855	1159	6102	8665	10537
4800		1161	5805	8576	10855	1159	6102	8665	10537

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	1.1028				1.0711			
Fan speed		0	1	2	3	0	1	2	3
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		54	270	401	480	70	352	457	564
900		68	338	501	600	88	440	572	705
1000		95	473	701	840	123	616	800	988
1100		95	473	701	840	123	616	800	988
1200		108	541	801	960	141	704	915	1129
1300		122	608	902	1080	158	792	1029	1270
1400		135	676	1002	1200	176	880	1143	1411
1500		149	743	1102	1320	194	968	1258	1552
1600		162	811	1202	1440	211	1056	1372	1693
1700		162	811	1202	1440	211	1056	1372	1693
1800		189	946	1402	1680	246	1232	1601	1975
1900		203	1014	1503	1800	264	1320	1715	2116
2000		216	1081	1603	1920	282	1408	1829	2257
2100		230	1149	1703	2040	299	1496	1944	2398
2200		230	1149	1703	2040	299	1496	1944	2398
2300		257	1284	1903	2280	334	1672	2172	2681
2400		257	1284	1903	2280	334	1672	2172	2681
2500		270	1352	2003	2400	352	1760	2287	2822
2600		284	1419	2104	2520	370	1848	2401	2963
2700		297	1487	2204	2640	387	1936	2515	3104
2800		311	1554	2304	2760	405	2024	2630	3245
2900		324	1622	2404	2880	422	2112	2744	3386
3000		324	1622	2404	2880	422	2112	2744	3386
3100		351	1757	2604	3120	458	2288	2973	3668
3200		365	1825	2705	3240	475	2376	3087	3809
3300		365	1825	2705	3240	475	2376	3087	3809
3400		378	1892	2805	3360	493	2464	3201	3950
3500		392	1960	2905	3480	510	2552	3316	4091
3600		419	2095	3105	3720	546	2728	3544	4374
3700		419	2095	3105	3720	546	2728	3544	4374
3800		433	2163	3205	3840	563	2816	3659	4515
3900		446	2230	3306	3960	581	2904	3773	4656
4000		460	2298	3406	4080	598	2992	3887	4797
4100		473	2365	3506	4200	616	3080	4002	4938
4200		487	2433	3606	4320	634	3168	4116	5079
4300		487	2433	3606	4320	634	3168	4116	5079
4400		514	2568	3806	4560	669	3344	4345	5361
4500		527	2636	3907	4680	686	3432	4459	5502
4600		541	2703	4007	4800	704	3520	4573	5643
4700		554	2771	4107	4920	722	3608	4688	5784
4800		554	2771	4107	4920	722	3608	4688	5784

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	1.0587				1.0376			
Fan speed		0	1	2	3	0	1	2	3
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		108	540	788	1002	113	751	1101	1391
900		135	675	985	1252	141	939	1377	1739
1000		189	946	1380	1753	197	1315	1927	2434
1100		189	946	1380	1753	197	1315	1927	2434
1200		216	1081	1577	2003	225	1503	2203	2782
1300		243	1216	1774	2254	254	1691	2478	3130
1400		270	1351	1971	2504	282	1878	2753	3478
1500		297	1486	2168	2755	310	2066	3029	3825
1600		324	1621	2365	3005	338	2254	3304	4173
1700		324	1621	2365	3005	338	2254	3304	4173
1800		378	1891	2759	3506	395	2630	3855	4869
1900		405	2026	2956	3756	423	2818	4130	5216
2000		432	2161	3153	4007	451	3005	4405	5564
2100		459	2296	3350	4257	479	3193	4681	5912
2200		459	2296	3350	4257	479	3193	4681	5912
2300		513	2567	3745	4758	535	3569	5231	6607
2400		513	2567	3745	4758	535	3569	5231	6607
2500		540	2702	3942	5008	564	3757	5507	6955
2600		567	2837	4139	5259	592	3945	5782	7303
2700		594	2972	4336	5509	620	4132	6057	7651
2800		621	3107	4533	5760	648	4320	6333	7998
2900		648	3242	4730	6010	676	4508	6608	8346
3000		648	3242	4730	6010	676	4508	6608	8346
3100		702	3512	5124	6511	733	4884	7159	9042
3200		729	3647	5321	6761	761	5072	7434	9389
3300		729	3647	5321	6761	761	5072	7434	9389
3400		756	3782	5518	7012	789	5259	7709	9737
3500		783	3917	5715	7262	817	5447	7985	10085
3600		838	4188	6110	7763	873	5823	8535	10780
3700		838	4188	6110	7763	873	5823	8535	10780
3800		865	4323	6307	8013	902	6011	8811	11128
3900		892	4458	6504	8264	930	6199	9086	11476
4000		919	4593	6701	8514	958	6386	9361	11824
4100		946	4728	6898	8765	986	6574	9637	12171
4200		973	4863	7095	9015	1014	6762	9912	12519
4300		973	4863	7095	9015	1014	6762	9912	12519
4400		1027	5133	7489	9516	1071	7138	10463	13215
4500		1054	5268	7686	9766	1099	7326	10738	13562
4600		1081	5403	7883	10017	1127	7513	11013	13910
4700		1108	5538	8080	10267	1155	7701	11289	14258
4800		1108	5538	8080	10267	1155	7701	11289	14258

Warning: Weight over 100 kg. Max. length 4800 mm

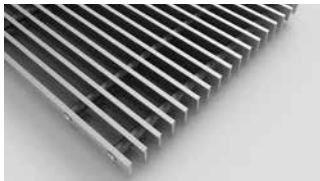
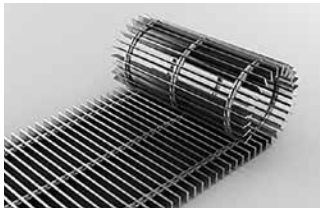
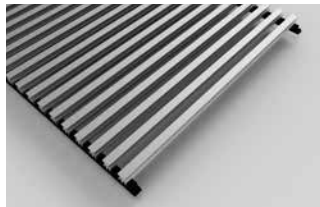
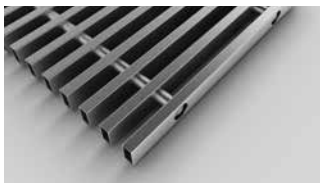
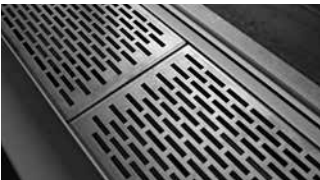
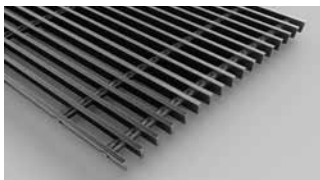
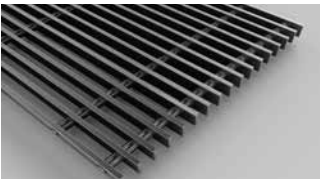
Output data valid for version with linear grille and same-side connection, reduced output for transverse grille approx. -5%

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

* including frame

Zehnder Terraline, Zehnder Terraline Neo



Special versions														
Linear grilles Aluminium anodised natural (standard), black or bronze, rigid. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr><tr><td>UFG-F42</td><td>420 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm	UFG-F42	420 mm
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
UFG-F34	340 mm													
UFG-F42	420 mm													
Transverse grilles Aluminium anodised: natural (standard), black or bronze, as a roll-up grille. Wood: natural beech, etched beech, natural oak or etched oak. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr><tr><td>UFG-F42</td><td>420 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm	UFG-F42	420 mm
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
UFG-F34	340 mm													
UFG-F42	420 mm													
Low transverse grille Aluminium anodised natural, black or bronze, rigid. Height 70 mm (models UFT-07-25 and UFT-07-34) is possible with this transverse grille only. Depth 420 mm is not possible with low transverse grille. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm		
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
UFG-F34	340 mm													
Transverse grilles Rectangular profiles in stainless steel, as a roll-up grille. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr><tr><td>UFG-F42</td><td>420 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm	UFG-F42	420 mm
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
UFG-F34	340 mm													
UFG-F42	420 mm													
Perforated sheet grille stainless-steel Sheet in stainless steel with rectangular hole pattern, rigid Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm				
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
Linear grilles Anodised aluminium: stainless steel, rigid. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr><tr><td>UFG-F42</td><td>420 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm	UFG-F42	420 mm
Model	for depth:													
UFG-F17	170 mm													
UFG-F21	255 mm													
UFG-F25	215 mm													
UFG-F34	340 mm													
UFG-F42	420 mm													
Transverse grilles Anodised aluminium: stainless steel, as a roll-up grille. Supplied with trench heater. Grille can be priced independently.		<table><tr><th>Model</th><th>for depth:</th></tr><tr><td>UFG-F17</td><td>170 mm</td></tr><tr><td>UFG-F21</td><td>255 mm</td></tr><tr><td>UFG-F25</td><td>215 mm</td></tr><tr><td>UFG-F34</td><td>340 mm</td></tr><tr><td>UFG-F42</td><td>420 mm</td></tr></table>	Model	for depth:	UFG-F17	170 mm	UFG-F21	255 mm	UFG-F25	215 mm	UFG-F34	340 mm	UFG-F42	420 mm
Model	for depth:													
UFG-F17	170 mm													
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UFG-F25	215 mm													
UFG-F34	340 mm													
UFG-F42	420 mm													
Special grille shapes Corner solutions and cut-outs		see page 27												

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Special versions

Additional air source for combination with ventilation solutions from Zehnder

Opening for air source connection.

Connector for Zehnder ComfoTube with screws as well as locking slide for Zehnder ComfoTube not included (see page 31).

Details of possible diameter depending on casing height as per page 30

Ø 75 mm

Ø 90 mm

flat 51

Intermediate lengths

Charged for by the next larger catalogue length. 10% surcharge.

Power supply IP67 integrated in casing

Provide casing longer by 200 mm, output of power supply depending of model UFT-...-17/UFT-...-21 = 60 watts, UFT-...-25/UFT-...-34 = 100 W, several trench heaters can be connected up to size of power supply depending of fan and actuator consumptions.

Connection in series for excess lengths

Floor brackets

Setting bold and setting feet adjustable from 10 mm to 70 mm
Floor brackets shortable from 60 mm to 300 mm

details see
page 83

Description	Product	Article no.
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
Pipe connection for Zehnder ComfoTube OnFloor Flat 51 sleeve, including locking slide		988 326 010

Zehnder Terraline, Zehnder Terraline Neo



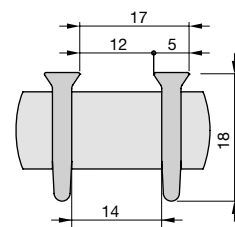
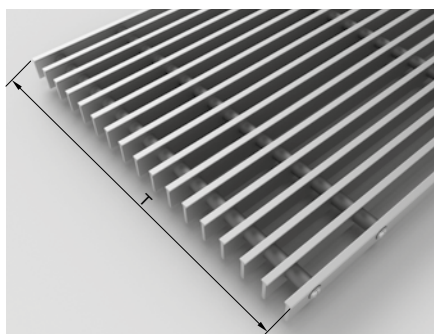
Linear grilles

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.

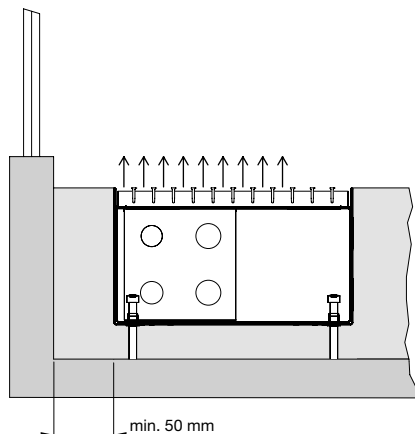
Max. length of linear grille per piece:

All versions max. 3000 mm

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



Dimensions in mm



UN and UFT model		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

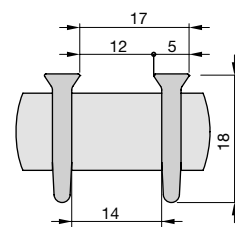
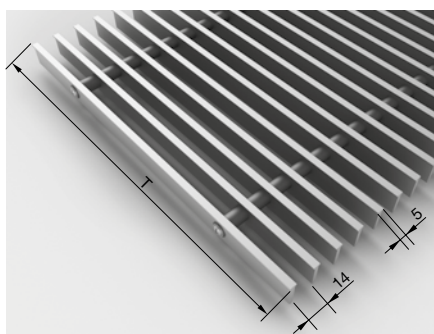
Transverse grilles are made of T-shaped transverse anodised aluminium profile bars on two spring steels with colour-coordinated spacers.

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.

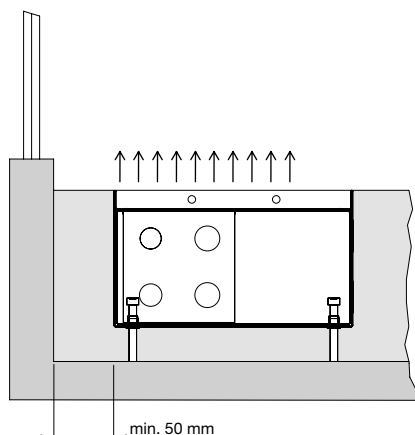
Maximum length of transverse grille per piece:

All versions: max. 6500 mm

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



Dimensions in mm



UN and UFT model		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		

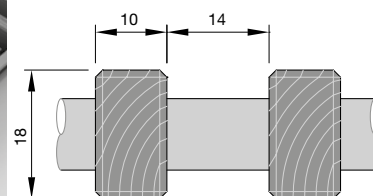
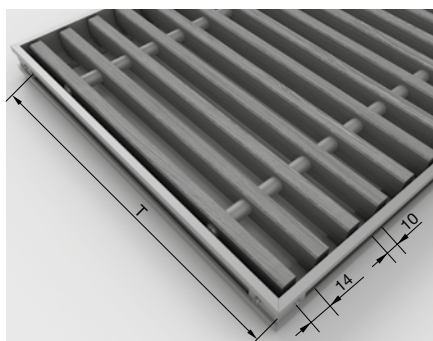
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Transverse grille wood

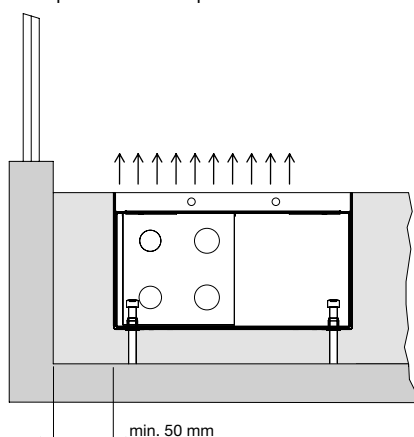
Transverse grilles are made of transverse wood profile bars on 2 spring steels with colour-coordinated spacers (black for etched beech and etched oak, beige for natural beech and natural oak). UN/UFT-... 42 models with 3 spring steel strengtheners. Transverse grilles are simple to install and can be 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 depending of requirement on request.



Dimensions in mm



UN and UFT model		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 in aluminium

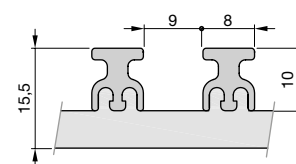
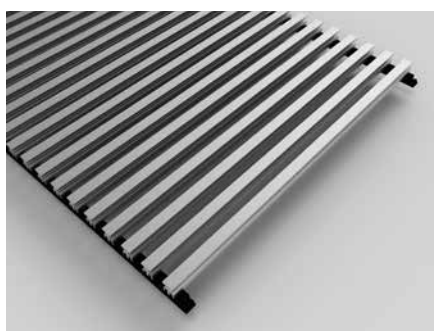
Low transverse grilles are made from anodised aluminium profile bars in the length of the radiator on black plastic bars. Low transverse grilles are hard-wearing, simple to install and can be shortened on site as required.

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

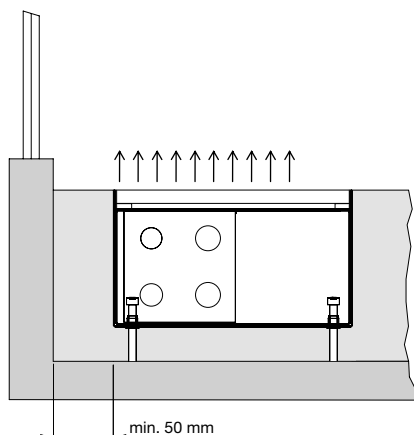
Aluminium profiles are pressed in black plastic bars. The grille is not a roll-up grille and consists of linked sections to one piece.

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:



UN and UFT model		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-...-26	UFT-...-26	244		
UN-...-34	UFT-...-34	329		

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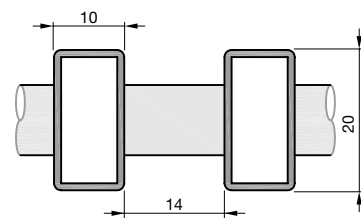
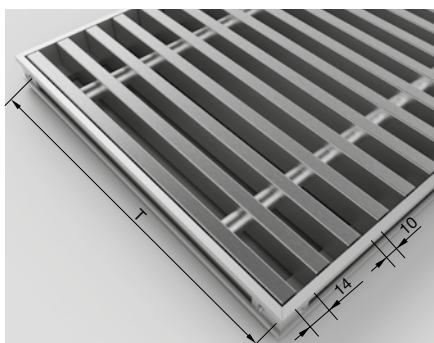
Transverse grille stainless-steel

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

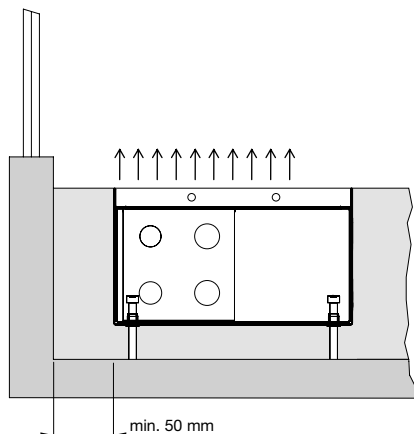
Models UN/UFT-..42 with 3 spring steel strengtheners. Transverse grilles are hard-wearing simple to install and can be shortened on site as required.

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



UN and UFT model		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

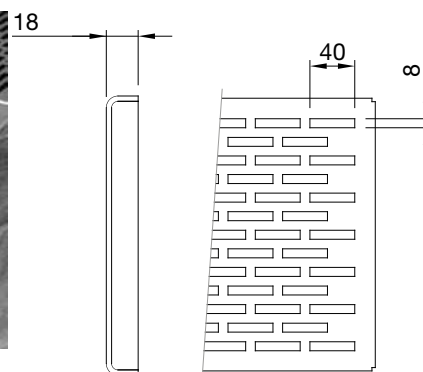
Grilles with rectangular hole pattern are made of stainless steel.

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-..)

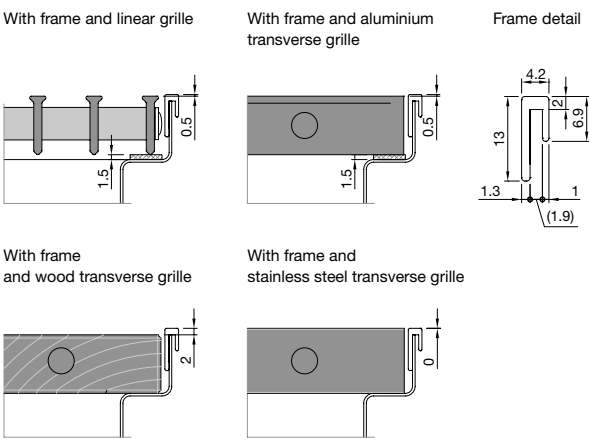
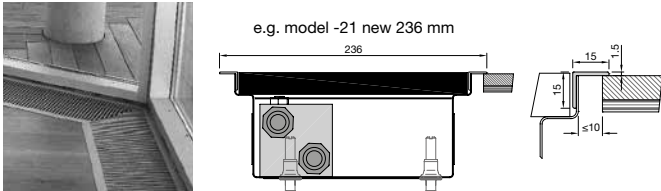
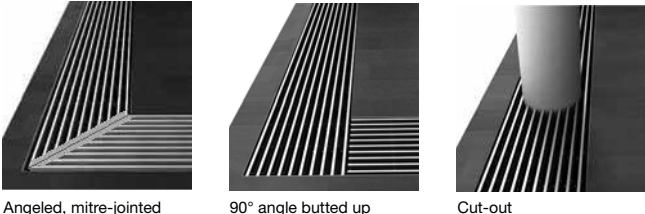
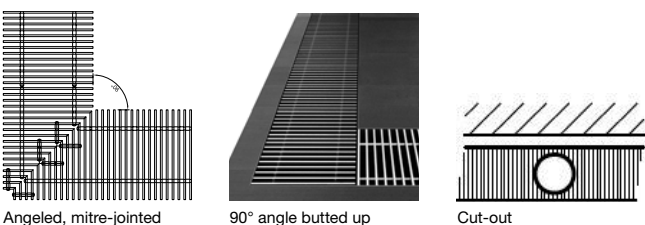
Maximum length of perforated sheet grille per piece:
Stainless steel: max. 1000 mm

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



Dimensions in mm

Zehnder Terraline, Zehnder Terraline Neo

Designer frame													
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. Frame is in same surface as grille (aluminium anodised natural, black or bronze), except for surfaces as following: <table> <tr> <th>Grille</th><th>Frame</th></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> Grilles are walkable. Max. weight load depending of requirement on request.	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	
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												
15x15 mm L-frame (peripheral strips) for covering expansions of up to 10 mm on a floating floor (e.g. parquet) on request. At order stage indicate standard length. Width and length will be greater by 21 mm (including L-frame).													
Special designs of linear grille													
Design	Sketch / template												
Zehnder Terraline is available with the following corner solutions and cut-outs with linear grille: - 90° angle, butted up (on request) - 90° angle mitre cut (2 x 45°). Cuts are secured inside ledge and not visible (standard) - Cut-out without cover - Special solutions on request													
Special designs of transverse grille													
Design	Sketch / template												
Zehnder Terraline is available with the following corner solutions and cut-outs with aluminium and wood transverse grilles: - 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													
Curved version													
- Casing made of stainless steel painted in RAL 9005 jet black - Copper wire heat emitter of wire basket on supporting copper pipe	On request												

Zehnder Terraline, Zehnder Terraline Neo

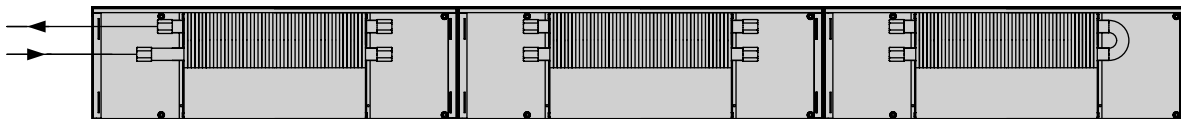
Connection in series for excess lengths

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.

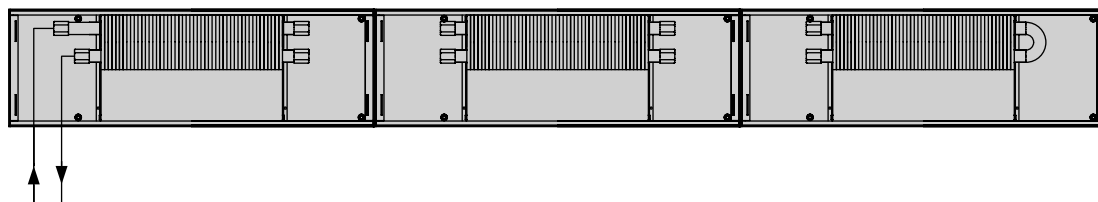
A series (total length) is divided as evenly as possible into sections of standard lengths and, where necessary, one section into special lengths. The division can be specified by the client on request.

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 frame.

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

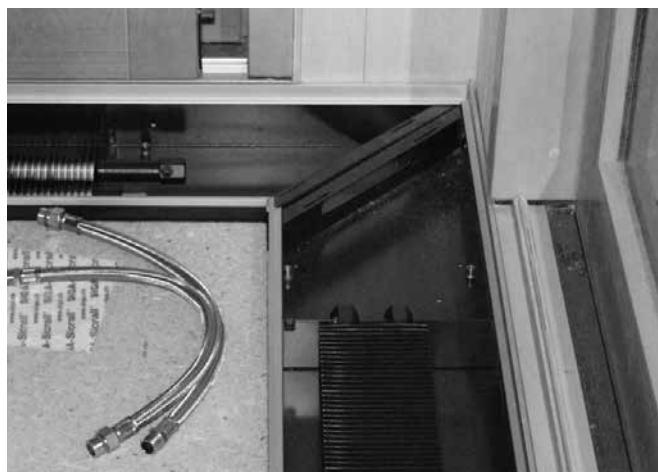
UN-09-17	UFT-07-25
UN-09-21	UFT-07-34
UN-09-25	UFT-09-17
UN-09-34	UFT-09-21
UN-09-42	UFT-09-25
UN-11-17	UFT-11-17
UN-11-21	UFT-11-21
UN-11-25	UFT-11-25
UN-14-17	UFT-14-17
UN-14-21	UFT-14-21
UN-14-25	UFT-14-25
UN-19-17	UFT-14-34

Models for connection in series only for casing:

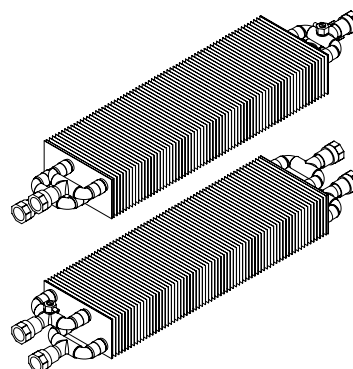
Connection in series of heat emitter not possible. Each heat emitter would have to be connected individual.

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 preinstalled 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 potentially possible on request



Zehnder Terraline, Zehnder Terraline Neo

Zehnder Terraline grille surfaces and frame surfaces

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 cost)

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



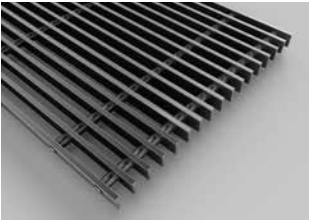
Grille: Stainless steel
Frame: Natural anodised aluminium
Spacers: grey

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

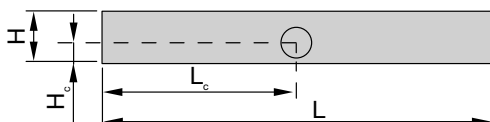
H = Height incl. casing

H_c = Distance air source outlet to bottom of casing

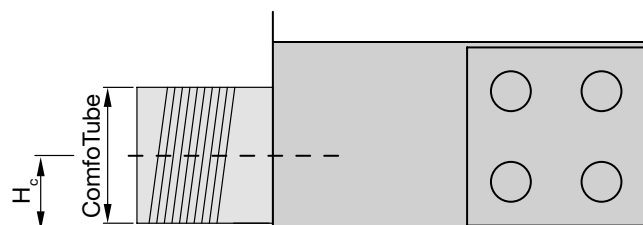
L = Length incl. casing

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



Zehnder Terraline, Zehnder Terraline Neo



Heat emitters pressure losses

Model		Trench heater length	Heat emitter fins length	Water volume	Water flow in piping											
		[mm]	[mm]	[l]	[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 lengths on request

Zehnder Terraline, Zehnder Terraline Neo

Heat emitters pressure losses

Minimum water flow

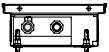
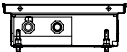
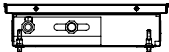
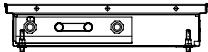
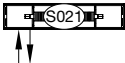
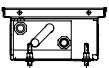
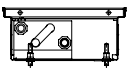
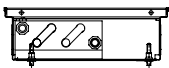
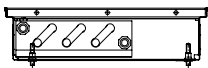
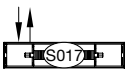
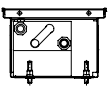
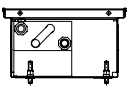
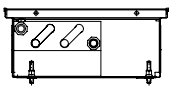
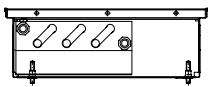
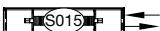
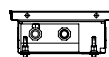
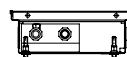
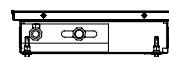
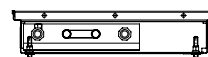
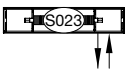
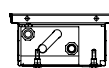
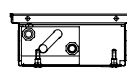
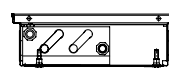
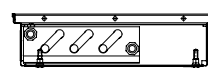
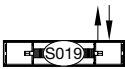
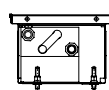
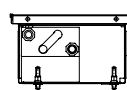
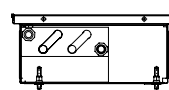
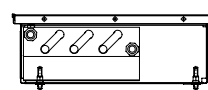
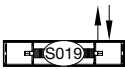
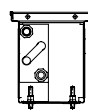
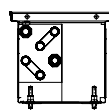
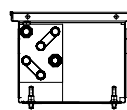
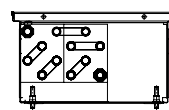
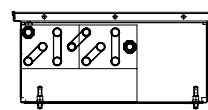
If the flow of water is heavily reduced, the heat output can fall far below the calculated or indicated value. For this reason, a minimum water flow should always be ensured.

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	Heat emitter finlength	Water volume	Water flow in piping											
		[mm]	[mm]	[l]	[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	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
	UFT-09-17	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
	UFT-09-21	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
	UFT-11-17	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
	UFT-11-21	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
	UFT-14-17	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
	UFT-14-21	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	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
	UFT-11-25	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
	UFT-14-25	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
	UFT-14-34	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

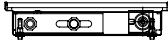
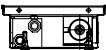
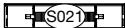
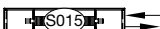
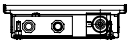
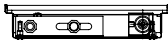
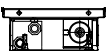
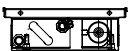
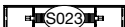
Connection type	Dimensional drawing: Side view (heat emitter, casing)				
Same side, at front on left 	UN-09-17 	UN-09-21 	UN-09-25 	UN-09-34 	UN-09-42 
Same side, room side left 	UN-11-17 	UN-11-21 	UN-11-25 	UN-11-34 	UN-11-42 
Same side, window side left 	UN-14-17 	UN-14-21 	UN-14-25 	UN-14-34 	UN-14-42 
Same side, on right 	UN-09-17 	UN-09-21 	UN-09-25 	UN-09-34 	UN-09-42 
Same side, room side right 	UN-11-17 	UN-11-21 	UN-11-25 	UN-11-34 	UN-11-42 
Same side, window side right 	UN-14-17 	UN-14-21 	UN-14-25 	UN-14-34 	UN-14-42 
Same side, window side right 	UN-19-17 	UN-19-21 	UN-19-25 	UN-19-34 	UN-19-42 

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)			
Same side, at front on left 	UFT-07-25  UFT-07-34  UFT-09-17  UFT-09-21  UFT-09-25  UFT-09-34  UFT-11-17  UFT-11-21  UFT-11-25  UFT-11-34  UFT-14-17  UFT-14-21  UFT-14-25  UFT-14-34 			
Same side, room side left 				
Same side, window side left 				
Same side, on right 	UFT-07-25  UFT-07-34  UFT-09-17  UFT-09-21  UFT-09-25  UFT-09-34  UFT-11-17  UFT-11-21  UFT-11-25  UFT-11-34  UFT-14-17  UFT-14-21  UFT-14-25  UFT-14-34 			
Same side, room side right 				
Same side, window side right 				

Flow and return can be interchanged.

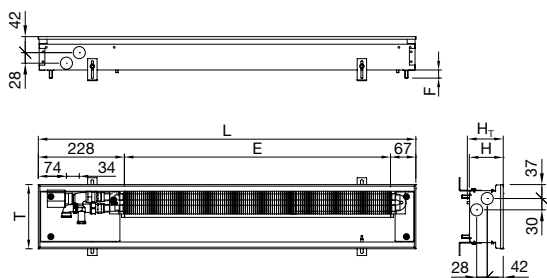
With some models, actuator and valves (depending of brand and type) can't be installed inside the case due to space reasons and have to be installed outside of the case.

All connections are supplied at no additional cost

Zehnder Terraline



Model UN-09-17 – 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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

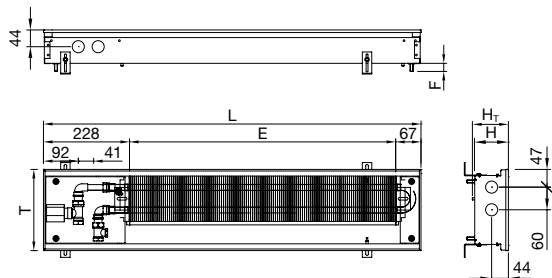
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ 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	10.1	1.46	118	93	56	43
UN-09-17-900	90	900	605	170	0.3	4.2	12.1	1.46	141	111	67	51
UN-09-17-1000	90	1000	705	170	0.3	4.7	14.2	1.46	165	130	78	60
UN-09-17-1100	90	1100	805	170	0.4	5.2	16.2	1.46	188	148	89	68
UN-09-17-1200	90	1200	905	170	0.4	5.7	18.1	1.46	211	166	100	77
UN-09-17-1300	90	1300	1005	170	0.5	6.2	20.2	1.46	235	185	111	85
UN-09-17-1400	90	1400	1105	170	0.5	6.7	22.2	1.46	258	204	129	94
UN-09-17-1500	90	1500	1205	170	0.6	7.2	24.2	1.46	281	222	133	102
UN-09-17-1600	90	1600	1305	170	0.6	7.7	26.2	1.46	305	241	145	111
UN-09-17-1700	90	1700	1405	170	0.7	8.2	28.2	1.46	328	259	156	119
UN-09-17-1800	90	1800	1505	170	0.7	8.7	30.2	1.46	351	277	166	128
UN-09-17-1900	90	1900	1605	170	0.8	9.2	32.2	1.46	375	296	178	136
UN-09-17-2000	90	2000	1705	170	0.8	9.7	34.2	1.46	398	314	189	145
UN-09-17-2100	90	2100	1805	170	0.9	10.2	36.2	1.46	421	332	200	153
UN-09-17-2200	90	2200	1905	170	0.9	10.7	38.3	1.46	445	351	211	162
UN-09-17-2300	90	2300	2005	170	1.0	11.5	40.2	1.46	468	369	222	170
UN-09-17-2400	90	2400	2105	170	1.0	11.8	42.2	1.46	491	387	233	178
UN-09-17-2500	90	2500	2205	170	1.1	12.3	44.3	1.46	515	406	244	187
UN-09-17-2600	90	2600	2305	170	1.1	12.8	46.3	1.46	538	424	255	196
UN-09-17-2700	90	2700	2405	170	1.2	13.3	48.2	1.46	561	443	266	204
UN-09-17-2800	90	2800	2505	170	1.2	13.8	50.3	1.46	585	461	277	213
UN-09-17-2900	90	2900	2605	170	1.3	14.3	52.3	1.46	608	480	288	221
UN-09-17-3000	90	3000	2705	170	1.3	14.8	54.3	1.46	631	498	299	229
UN-09-17-3100	90	3100	2805	170	1.4	15.3	56.3	1.46	655	517	311	238
UN-09-17-3200	90	3200	2905	170	1.4	15.8	58.3	1.46	678	535	322	246
UN-09-17-3300	90	3300	3005	170	1.5	16.3	60.4	1.46	702	554	333	255
UN-09-17-3400	90	3400	3105	170	1.5	16.8	62.3	1.46	725	572	344	264
UN-09-17-3500	90	3500	3205	170	1.6	17.3	64.3	1.46	748	590	355	272
UN-09-17-3600	90	3600	3305	170	1.6	17.8	66.4	1.46	772	609	366	281
UN-09-17-3700	90	3700	3405	170	1.7	18.3	68.4	1.46	795	627	377	289
UN-09-17-3800	90	3800	3505	170	1.7	18.8	70.3	1.46	818	645	388	297
UN-09-17-3900	90	3900	3605	170	1.8	19.3	72.4	1.46	842	664	399	306
UN-09-17-4000	90	4000	3705	170	1.8	19.8	74.4	1.46	865	682	410	314
UN-09-17-4100	90	4100	3805	170	1.9	20.3	76.4	1.46	888	700	421	323
UN-09-17-4200	90	4200	3905	170	1.9	20.8	78.4	1.46	912	719	433	332
UN-09-17-4300	90	4300	4005	170	2.0	21.3	80.4	1.46	935	738	444	340
UN-09-17-4400	90	4400	4105	170	2.0	21.8	82.4	1.46	958	756	454	348
UN-09-17-4500	90	4500	4205	170	2.1	22.3	84.4	1.46	982	775	466	357
UN-09-17-4600	90	4600	4305	170	2.1	22.8	86.4	1.46	1005	793	477	365
UN-09-17-4700	90	4700	4405	170	2.2	23.3	88.4	1.46	1028	811	488	374
UN-09-17-4800	90	4800	4505	170	2.2	23.8	90.5	1.46	1052	830	499	382

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 EN442
 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.

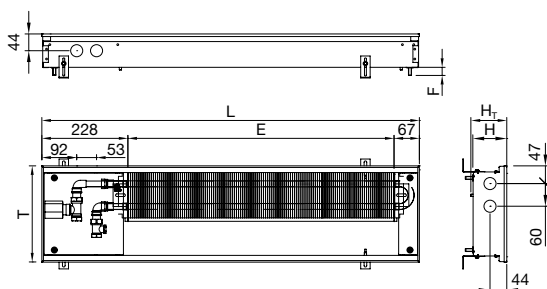
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-09-21-800	90	800	505	215	0.3	4.7	14.1	1.44	164	130	78	60
UN-09-21-900	90	900	605	215	0.3	5.3	16.9	1.44	196	155	94	72
UN-09-21-1000	90	1000	705	215	0.3	6.0	19.7	1.44	229	181	110	84
UN-09-21-1100	90	1100	805	215	0.4	6.6	22.4	1.44	261	207	125	96
UN-09-21-1200	90	1200	905	215	0.4	7.2	25.2	1.44	293	232	141	108
UN-09-21-1300	90	1300	1005	215	0.5	7.8	28.0	1.44	326	258	163	120
UN-09-21-1400	90	1400	1105	215	0.5	8.4	30.8	1.44	358	284	172	132
UN-09-21-1500	90	1500	1205	215	0.6	9.0	33.6	1.44	391	309	187	144
UN-09-21-1600	90	1600	1305	215	0.6	9.6	36.4	1.44	423	335	203	156
UN-09-21-1700	90	1700	1405	215	0.7	10.2	39.2	1.44	456	361	218	168
UN-09-21-1800	90	1800	1505	215	0.7	10.8	42.0	1.44	488	386	234	180
UN-09-21-1900	90	1900	1605	215	0.8	11.4	44.8	1.44	521	412	249	192
UN-09-21-2000	90	2000	1705	215	0.8	12.0	47.5	1.44	553	438	265	204
UN-09-21-2100	90	2100	1805	215	0.9	12.6	50.3	1.44	585	463	281	216
UN-09-21-2200	90	2200	1905	215	0.9	13.2	53.1	1.44	618	489	296	228
UN-09-21-2300	90	2300	2005	215	1.0	13.8	55.9	1.44	650	515	312	240
UN-09-21-2400	90	2400	2105	215	1.0	14.4	58.7	1.44	683	540	327	252
UN-09-21-2500	90	2500	2205	215	1.1	15.0	61.5	1.44	715	566	343	264
UN-09-21-2600	90	2600	2305	215	1.1	15.6	64.3	1.44	748	592	358	276
UN-09-21-2700	90	2700	2405	215	1.2	16.2	67.1	1.44	780	617	374	287
UN-09-21-2800	90	2800	2505	215	1.2	16.8	69.8	1.44	812	643	389	299
UN-09-21-2900	90	2900	2605	215	1.3	17.4	72.6	1.44	845	669	405	311
UN-09-21-3000	90	3000	2705	215	1.3	18.0	75.4	1.44	877	694	420	323
UN-09-21-3100	90	3100	2805	215	1.4	18.6	78.2	1.44	910	720	436	335
UN-09-21-3200	90	3200	2905	215	1.4	19.2	81.0	1.44	942	746	451	347
UN-09-21-3300	90	3300	3005	215	1.5	19.8	83.8	1.44	975	771	467	359
UN-09-21-3400	90	3400	3105	215	1.5	20.4	86.6	1.44	1007	797	483	371
UN-09-21-3500	90	3500	3205	215	1.6	21.0	89.4	1.44	1039	823	498	383
UN-09-21-3600	90	3600	3305	215	1.6	21.6	92.2	1.44	1072	848	514	395
UN-09-21-3700	90	3700	3405	215	1.7	22.3	94.9	1.44	1104	874	529	407
UN-09-21-3800	90	3800	3505	215	1.7	22.9	97.7	1.44	1137	899	545	419
UN-09-21-3900	90	3900	3605	215	1.8	23.5	100.5	1.44	1169	925	560	431
UN-09-21-4000	90	4000	3705	215	1.8	24.1	103.3	1.44	1202	951	576	443
UN-09-21-4100	90	4100	3805	210	1.9	24.7	106.1	1.44	1234	976	591	455
UN-09-21-4200	90	4200	3905	210	1.9	25.3	108.9	1.44	1266	1002	607	467
UN-09-21-4300	90	4300	4005	210	2.0	25.9	111.7	1.44	1299	1028	622	479
UN-09-21-4400	90	4400	4105	210	2.0	26.5	114.5	1.44	1331	1053	638	491
UN-09-21-4500	90	4500	4205	210	2.1	27.1	117.2	1.44	1364	1079	654	503
UN-09-21-4600	90	4600	4305	210	2.1	27.7	120.0	1.44	1396	1105	669	515
UN-09-21-4700	90	4700	4405	210	2.2	28.3	122.8	1.44	1429	1130	685	527
UN-09-21-4800	90	4800	4505	210	2.2	28.9	125.6	1.44	1461	1156	700	538

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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

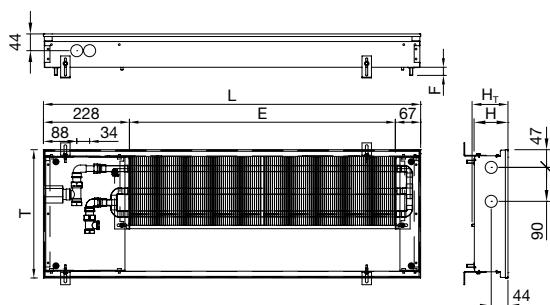
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-09-25-800	90	800	505	255	0.3	5.3	17.9	1.37	208	166	103	80
UN-09-25-900	90	900	605	255	0.3	6.0	21.4	1.37	249	199	124	96
UN-09-25-1000	90	1000	705	255	0.3	6.6	25.0	1.37	290	232	144	112
UN-09-25-1100	90	1100	805	255	0.4	7.3	28.5	1.37	331	265	165	128
UN-09-25-1200	90	1200	905	255	0.4	8.0	32.0	1.37	373	298	185	144
UN-09-25-1300	90	1300	1005	255	0.5	8.7	35.6	1.37	414	331	206	160
UN-09-25-1400	90	1400	1105	255	0.5	9.3	39.1	1.37	455	364	226	176
UN-09-25-1500	90	1500	1205	255	0.6	10.0	42.7	1.37	496	397	246	192
UN-09-25-1600	90	1600	1305	255	0.6	10.7	46.2	1.37	537	430	267	208
UN-09-25-1700	90	1700	1405	255	0.7	11.4	49.7	1.37	578	463	287	224
UN-09-25-1800	90	1800	1505	255	0.7	12.0	53.3	1.37	620	496	308	240
UN-09-25-1900	90	1900	1605	255	0.8	12.7	56.8	1.37	661	529	328	256
UN-09-25-2000	90	2000	1705	255	0.8	13.4	60.4	1.37	702	562	349	272
UN-09-25-2100	90	2100	1805	255	0.9	14.1	63.9	1.37	743	595	369	288
UN-09-25-2200	90	2200	1905	255	0.9	14.7	67.4	1.37	784	628	390	303
UN-09-25-2300	90	2300	2005	255	1.0	15.4	71.0	1.37	825	661	410	319
UN-09-25-2400	90	2400	2105	255	1.0	16.1	74.5	1.37	867	694	430	335
UN-09-25-2500	90	2500	2205	255	1.1	16.7	78.1	1.37	908	727	451	351
UN-09-25-2600	90	2600	2305	255	1.1	17.4	81.6	1.37	949	760	471	367
UN-09-25-2700	90	2700	2405	255	1.2	18.1	85.1	1.37	990	793	492	383
UN-09-25-2800	90	2800	2505	255	1.2	18.8	88.7	1.37	1031	825	512	399
UN-09-25-2900	90	2900	2605	255	1.3	19.4	92.2	1.37	1072	858	533	415
UN-09-25-3000	90	3000	2705	255	1.3	20.1	95.8	1.37	1114	891	553	431
UN-09-25-3100	90	3100	2805	255	1.4	20.8	99.3	1.37	1155	924	574	447
UN-09-25-3200	90	3200	2905	255	1.4	21.5	102.8	1.37	1196	957	594	463
UN-09-25-3300	90	3300	3005	255	1.5	22.1	106.4	1.37	1237	990	614	479
UN-09-25-3400	90	3400	3105	255	1.5	22.8	109.9	1.37	1278	1023	635	495
UN-09-25-3500	90	3500	3205	255	1.6	23.5	113.5	1.37	1319	1056	655	511
UN-09-25-3600	90	3600	3305	255	1.6	24.2	117.0	1.37	1361	1089	676	526
UN-09-25-3700	90	3700	3405	255	1.7	24.8	120.5	1.37	1402	1122	696	542
UN-09-25-3800	90	3800	3505	255	1.7	25.5	124.1	1.37	1443	1155	717	558
UN-09-25-3900	90	3900	3605	255	1.8	26.2	127.6	1.37	1484	1188	737	574
UN-09-25-4000	90	4000	3705	255	1.8	26.8	131.2	1.37	1525	1221	758	590
UN-09-25-4100	90	4100	3805	255	1.9	27.5	134.7	1.37	1567	1254	778	606
UN-09-25-4200	90	4200	3905	255	1.9	28.2	138.2	1.37	1608	1287	798	622
UN-09-25-4300	90	4300	4005	255	2.0	28.9	141.8	1.37	1649	1320	819	638
UN-09-25-4400	90	4400	4105	255	2.0	29.5	145.3	1.37	1690	1353	839	654
UN-09-25-4500	90	4500	4205	255	2.1	30.2	148.8	1.37	1731	1386	860	670
UN-09-25-4600	90	4600	4305	255	2.1	30.9	152.4	1.37	1772	1419	880	686
UN-09-25-4700	90	4700	4405	255	2.2	31.6	155.9	1.37	1814	1452	901	702
UN-09-25-4800	90	4800	4505	255	2.2	32.2	159.5	1.37	1855	1484	921	718

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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

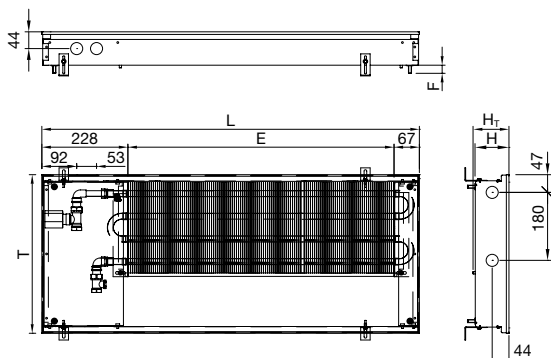
Valves and actuators are not included as standard

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,	$\Phi_S =$ ΔT 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-09-34-800	90	800	505	340	0.4	6.8	21.3	1.38	247	198	122	95
UN-09-34-900	90	900	605	340	0.5	7.7	25.5	1.38	296	237	146	114
UN-09-34-1000	90	1000	705	340	0.6	8.5	29.7	1.38	345	276	171	133
UN-09-34-1100	90	1100	805	340	0.7	9.4	33.9	1.38	394	315	195	152
UN-09-34-1200	90	1200	905	340	0.7	10.3	38.1	1.38	443	354	219	170
UN-09-34-1300	90	1300	1005	340	0.8	11.2	42.3	1.38	492	393	243	189
UN-09-34-1400	90	1400	1105	340	0.9	12.1	46.5	1.38	541	433	267	208
UN-09-34-1500	90	1500	1205	340	1.0	13.0	50.8	1.38	590	472	292	227
UN-09-34-1600	90	1600	1305	340	1.1	13.8	55.0	1.38	639	511	316	246
UN-09-34-1700	90	1700	1405	340	1.2	14.7	59.2	1.38	688	550	340	264
UN-09-34-1800	90	1800	1505	340	1.2	15.6	63.4	1.38	737	589	364	283
UN-09-34-1900	90	1900	1605	340	1.3	16.5	67.6	1.38	786	628	389	302
UN-09-34-2000	90	2000	1705	340	1.4	17.4	71.8	1.38	835	667	413	321
UN-09-34-2100	90	2100	1805	340	1.5	18.2	76.0	1.38	884	707	437	340
UN-09-34-2200	90	2200	1905	340	1.6	19.1	80.2	1.38	933	746	461	359
UN-09-34-2300	90	2300	2005	340	1.7	20.0	84.5	1.38	982	785	485	377
UN-09-34-2400	90	2400	2105	340	1.7	20.9	88.7	1.38	1031	824	510	396
UN-09-34-2500	90	2500	2205	340	1.8	21.8	92.9	1.38	1080	863	534	415
UN-09-34-2600	90	2600	2305	340	1.9	22.6	97.1	1.38	1129	902	558	434
UN-09-34-2700	90	2700	2405	340	2.0	23.5	101.3	1.38	1178	942	582	453
UN-09-34-2800	90	2800	2505	340	2.1	24.4	105.5	1.38	1227	981	606	472
UN-09-34-2900	90	2900	2605	340	2.2	25.3	109.7	1.38	1276	1020	631	490
UN-09-34-3000	90	3000	2705	340	2.2	26.2	113.9	1.38	1325	1059	655	509
UN-09-34-3100	90	3100	2805	340	2.3	27.0	118.2	1.38	1374	1098	679	528
UN-09-34-3200	90	3200	2905	340	2.4	27.9	122.4	1.38	1423	1137	703	547
UN-09-34-3300	90	3300	3005	340	2.5	28.8	126.6	1.38	1472	1176	727	566
UN-09-34-3400	90	3400	3105	340	2.6	29.7	130.8	1.38	1521	1216	752	584
UN-09-34-3500	90	3500	3205	340	2.6	30.6	135.0	1.38	1570	1255	776	603
UN-09-34-3600	90	3600	3305	340	2.7	31.5	139.2	1.38	1619	1294	800	622
UN-09-34-3700	90	3700	3405	340	2.8	32.3	143.4	1.38	1668	1333	824	641
UN-09-34-3800	90	3800	3505	340	2.9	33.2	147.6	1.38	1717	1372	848	660
UN-09-34-3900	90	3900	3605	340	3.0	34.1	151.8	1.38	1766	1411	873	679
UN-09-34-4000	90	4000	3705	340	3.1	35.0	156.1	1.38	1815	1450	897	697
UN-09-34-4100	90	4100	3805	340	3.1	35.9	160.3	1.38	1864	1490	921	716
UN-09-34-4200	90	4200	3905	340	3.2	36.7	164.5	1.38	1913	1529	945	735
UN-09-34-4300	90	4300	4005	340	3.3	37.6	168.7	1.38	1962	1568	970	754
UN-09-34-4400	90	4400	4105	340	3.4	38.5	172.9	1.38	2011	1607	994	773
UN-09-34-4500	90	4500	4205	340	3.5	39.4	177.1	1.38	2060	1646	1018	792
UN-09-34-4600	90	4600	4305	340	3.6	40.3	181.3	1.38	2109	1685	1042	810
UN-09-34-4700	90	4700	4405	340	3.6	41.1	185.5	1.38	2158	1724	1066	829
UN-09-34-4800	90	4800	4505	340	3.7	42.0	189.8	1.38	2207	1764	1091	848

Zehnder Terraline

**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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

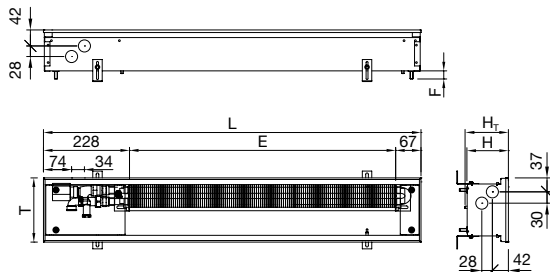
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-09-42-800	90	800	505	420	0.5	8.2	24.8	1.38	289	231	143	111
UN-09-42-900	90	900	605	420	0.6	9.2	29.7	1.38	346	276	171	133
UN-09-42-1000	90	1000	705	420	0.7	10.3	34.6	1.38	403	322	199	155
UN-09-42-1100	90	1100	805	420	0.8	11.4	39.6	1.38	460	368	227	177
UN-09-42-1200	90	1200	905	420	0.9	12.5	44.5	1.38	517	413	256	199
UN-09-42-1300	90	1300	1005	420	1.0	13.5	49.4	1.38	574	459	284	221
UN-09-42-1400	90	1400	1105	420	1.1	14.6	54.3	1.38	632	505	312	243
UN-09-42-1500	90	1500	1205	420	1.2	15.7	59.2	1.38	689	550	340	265
UN-09-42-1600	90	1600	1305	420	1.3	16.8	64.1	1.38	746	596	369	287
UN-09-42-1700	90	1700	1405	420	1.4	17.8	69.0	1.38	803	642	397	309
UN-09-42-1800	90	1800	1505	420	1.5	18.9	74.0	1.38	860	687	425	330
UN-09-42-1900	90	1900	1605	420	1.6	20.0	78.9	1.38	917	733	453	352
UN-09-42-2000	90	2000	1705	420	1.7	21.1	83.8	1.38	974	779	482	374
UN-09-42-2100	90	2100	1805	420	1.8	22.1	88.7	1.38	1032	824	510	396
UN-09-42-2200	90	2200	1905	420	1.9	23.2	93.6	1.38	1089	870	538	418
UN-09-42-2300	90	2300	2005	420	2.0	24.3	98.5	1.38	1146	916	566	440
UN-09-42-2400	90	2400	2105	420	2.1	25.4	103.4	1.38	1203	961	595	462
UN-09-42-2500	90	2500	2205	420	2.2	26.5	108.4	1.38	1260	1007	623	484
UN-09-42-2600	90	2600	2305	420	2.3	27.5	113.3	1.38	1317	1053	651	506
UN-09-42-2700	90	2700	2405	420	2.4	28.6	118.2	1.38	1375	1098	679	528
UN-09-42-2800	90	2800	2505	420	2.5	29.7	123.1	1.38	1432	1144	707	550
UN-09-42-2900	90	2900	2605	420	2.6	30.8	128.0	1.38	1489	1190	736	572
UN-09-42-3000	90	3000	2705	420	2.7	31.8	132.9	1.38	1546	1235	764	594
UN-09-42-3100	90	3100	2805	420	2.8	32.9	137.8	1.38	1603	1281	792	616
UN-09-42-3200	90	3200	2905	420	2.9	34.0	142.8	1.38	1660	1327	820	638
UN-09-42-3300	90	3300	3005	420	3.0	35.1	147.7	1.38	1718	1372	849	660
UN-09-42-3400	90	3400	3105	420	3.1	36.1	152.6	1.38	1775	1418	877	682
UN-09-42-3500	90	3500	3205	420	3.2	37.2	157.5	1.38	1832	1464	905	704
UN-09-42-3600	90	3600	3305	420	3.3	38.3	162.4	1.38	1889	1509	933	726
UN-09-42-3700	90	3700	3405	420	3.4	39.4	167.3	1.38	1946	1555	962	748
UN-09-42-3800	90	3800	3505	420	3.5	40.4	172.2	1.38	2003	1601	990	770
UN-09-42-3900	90	3900	3605	420	3.6	41.5	177.2	1.38	2060	1646	1018	792
UN-09-42-4000	90	4000	3705	420	3.7	42.6	182.1	1.38	2118	1692	1046	814
UN-09-42-4100	90	4100	3805	420	3.8	43.7	187.0	1.38	2175	1738	1075	836
UN-09-42-4200	90	4200	3905	420	3.9	44.7	191.9	1.38	2232	1784	1103	858
UN-09-42-4300	90	4300	4005	420	4.0	45.8	196.8	1.38	2289	1829	1131	879
UN-09-42-4400	90	4400	4105	420	4.1	46.9	201.7	1.38	2346	1875	1159	901
UN-09-42-4500	90	4500	4205	420	4.2	48.0	206.6	1.38	2403	1921	1188	923
UN-09-42-4600	90	4600	4305	420	4.3	49.0	211.6	1.38	2461	1966	1216	945
UN-09-42-4700	90	4700	4405	420	4.4	50.1	216.5	1.38	2518	2012	1244	967
UN-09-42-4800	90	4800	4505	420	4.5	51.2	221.4	1.38	2575	2058	1272	989

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 EN442
- 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.

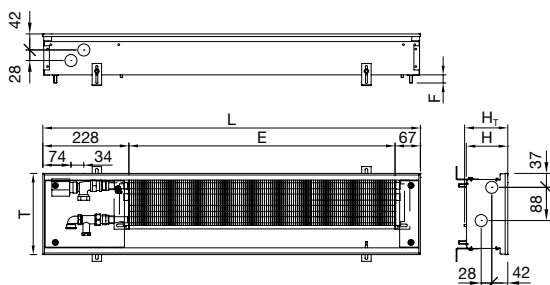
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-11-17-800	110	800	505	170	0.3	4.2	12.3	1.47	143	113	67	52
UN-11-17-900	110	900	605	170	0.3	4.8	14.7	1.47	171	135	81	62
UN-11-17-1000	110	1000	705	170	0.3	5.3	17.1	1.47	199	157	94	72
UN-11-17-1100	110	1100	805	170	0.4	5.9	19.6	1.47	228	179	107	82
UN-11-17-1200	110	1200	905	170	0.4	6.4	22.0	1.47	256	202	121	92
UN-11-17-1300	110	1300	1005	170	0.5	6.9	24.4	1.47	284	224	134	103
UN-11-17-1400	110	1400	1105	170	0.5	7.5	26.9	1.47	313	246	156	113
UN-11-17-1500	110	1500	1205	170	0.6	8.0	29.3	1.47	341	268	161	123
UN-11-17-1600	110	1600	1305	170	0.6	8.5	31.7	1.47	369	291	174	133
UN-11-17-1700	110	1700	1405	170	0.7	9.1	34.2	1.47	397	313	188	143
UN-11-17-1800	110	1800	1505	170	0.7	9.6	36.6	1.47	426	335	201	154
UN-11-17-1900	110	1900	1605	170	0.8	10.2	39.0	1.47	454	358	214	164
UN-11-17-2000	110	2000	1705	170	0.8	10.7	41.5	1.47	482	380	228	174
UN-11-17-2100	110	2100	1805	170	0.9	11.2	43.9	1.47	511	402	241	184
UN-11-17-2200	110	2200	1905	170	0.9	11.8	46.3	1.47	539	424	254	195
UN-11-17-2300	110	2300	2005	170	1.0	12.3	48.8	1.47	567	447	268	205
UN-11-17-2400	110	2400	2105	170	1.0	12.8	51.2	1.47	596	469	281	215
UN-11-17-2500	110	2500	2205	170	1.1	13.4	53.6	1.47	624	491	294	225
UN-11-17-2600	110	2600	2305	170	1.1	13.9	56.1	1.47	652	514	308	235
UN-11-17-2700	110	2700	2405	170	1.2	14.4	58.5	1.47	680	536	321	246
UN-11-17-2800	110	2800	2505	170	1.2	15.0	60.9	1.47	709	558	334	256
UN-11-17-2900	110	2900	2605	170	1.3	15.5	63.4	1.47	737	580	348	266
UN-11-17-3000	110	3000	2705	170	1.3	16.1	65.8	1.47	765	603	361	276
UN-11-17-3100	110	3100	2805	170	1.4	16.6	68.2	1.47	794	625	374	286
UN-11-17-3200	110	3200	2905	170	1.4	17.1	70.7	1.47	822	647	388	297
UN-11-17-3300	110	3300	3005	170	1.5	17.7	124.5	1.46	850	669	401	307
UN-11-17-3400	110	3400	3105	170	1.5	18.2	128.6	1.46	878	692	415	317
UN-11-17-3500	110	3500	3205	170	1.6	18.7	132.8	1.46	907	714	428	327
UN-11-17-3600	110	3600	3305	170	1.6	19.3	136.9	1.46	935	736	441	338
UN-11-17-3700	110	3700	3405	170	1.7	19.8	141.1	1.46	963	759	455	348
UN-11-17-3800	110	3800	3505	170	1.7	20.4	85.3	1.47	992	781	468	358
UN-11-17-3900	110	3900	3605	170	1.8	20.9	87.7	1.47	1020	803	481	368
UN-11-17-4000	110	4000	3705	170	1.8	21.4	90.1	1.47	1048	825	495	378
UN-11-17-4100	110	4100	3805	170	1.9	22.0	92.6	1.47	1076	848	508	389
UN-11-17-4200	110	4200	3905	170	1.9	22.5	95.0	1.47	1105	870	521	399
UN-11-17-4300	110	4300	4005	170	2.0	23.0	97.4	1.47	1133	892	535	409
UN-11-17-4400	110	4400	4105	170	2.0	23.6	99.8	1.47	1161	915	548	419
UN-11-17-4500	110	4500	4205	170	2.1	24.1	102.3	1.47	1190	937	561	429
UN-11-17-4600	110	4600	4305	170	2.1	24.7	104.7	1.47	1218	959	575	440
UN-11-17-4700	110	4700	4405	170	2.2	25.2	107.1	1.47	1246	981	588	450
UN-11-17-4800	110	4800	4505	170	2.2	25.7	109.6	1.47	1274	1004	601	460

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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

Valves and actuators are not included as standard

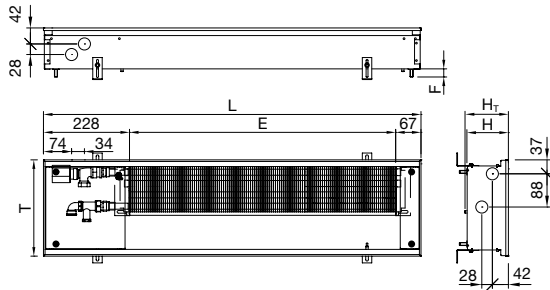
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

Technical data, output specifications for version with linear grille

Model	H mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-11-21-800	110	800	505	215	0.5	5.4	15.4	1.55	179	139	81	61
UN-11-21-900	110	900	605	215	0.6	6.2	18.5	1.55	215	167	97	73
UN-11-21-1000	110	1000	705	215	0.7	6.9	21.5	1.55	251	195	113	86
UN-11-21-1100	110	1100	805	215	0.8	7.6	24.6	1.55	286	222	130	98
UN-11-21-1200	110	1200	905	215	0.9	8.3	27.7	1.55	322	250	146	110
UN-11-21-1300	110	1300	1005	215	1.0	9.1	30.7	1.55	357	278	162	122
UN-11-21-1400	110	1400	1105	215	1.1	9.8	33.8	1.55	393	305	178	134
UN-11-21-1500	110	1500	1205	215	1.2	10.5	36.8	1.55	428	333	194	146
UN-11-21-1600	110	1600	1305	215	1.3	11.2	39.9	1.55	464	360	210	158
UN-11-21-1700	110	1700	1405	215	1.4	12.0	42.9	1.55	499	388	226	171
UN-11-21-1800	110	1800	1505	215	1.5	12.7	46.0	1.55	535	416	242	183
UN-11-21-1900	110	1900	1605	215	1.6	13.4	49.0	1.55	570	443	258	195
UN-11-21-2000	110	2000	1705	215	1.7	14.1	52.1	1.55	606	471	274	207
UN-11-21-2100	110	2100	1805	215	1.8	14.9	55.1	1.55	641	499	291	219
UN-11-21-2200	110	2200	1905	215	1.9	15.6	58.2	1.55	677	526	307	231
UN-11-21-2300	110	2300	2005	215	2.0	16.3	61.3	1.55	712	554	323	243
UN-11-21-2400	110	2400	2105	215	2.1	17.0	64.3	1.55	748	581	339	255
UN-11-21-2500	110	2500	2205	215	2.2	17.7	67.4	1.55	784	609	355	268
UN-11-21-2600	110	2600	2305	215	2.3	18.5	70.4	1.55	819	637	371	280
UN-11-21-2700	110	2700	2405	215	2.4	19.2	73.5	1.55	855	664	387	292
UN-11-21-2800	110	2800	2505	215	2.5	19.9	76.5	1.55	890	692	403	304
UN-11-21-2900	110	2900	2605	215	2.6	20.6	79.6	1.55	926	720	419	316
UN-11-21-3000	110	3000	2705	215	2.7	21.4	82.6	1.55	961	747	435	328
UN-11-21-3100	110	3100	2805	215	2.8	22.1	85.7	1.55	997	775	452	340
UN-11-21-3200	110	3200	2905	215	2.9	22.8	88.8	1.55	1032	802	468	353
UN-11-21-3300	110	3300	3005	215	3.0	23.5	91.8	1.55	1068	830	484	365
UN-11-21-3400	110	3400	3105	215	3.1	24.3	94.9	1.55	1103	858	500	377
UN-11-21-3500	110	3500	3205	215	3.2	25.0	97.9	1.55	1139	885	516	389
UN-11-21-3600	110	3600	3305	215	3.3	25.7	101.0	1.55	1174	913	532	401
UN-11-21-3700	110	3700	3405	215	3.4	26.4	104.0	1.55	1210	941	548	413
UN-11-21-3800	110	3800	3505	215	3.5	27.2	107.1	1.55	1246	968	564	425
UN-11-21-3900	110	3900	3605	215	3.6	27.9	110.1	1.55	1281	996	580	437
UN-11-21-4000	110	4000	3705	215	3.7	28.6	113.2	1.55	1317	1023	596	450
UN-11-21-4100	110	4100	3805	210	3.8	29.3	116.3	1.55	1352	1051	613	462
UN-11-21-4200	110	4200	3905	210	3.9	30.1	119.3	1.55	1388	1079	629	474
UN-11-21-4300	110	4300	4005	210	4.0	30.8	122.4	1.55	1423	1106	645	486
UN-11-21-4400	110	4400	4105	210	4.1	31.5	125.4	1.55	1459	1134	661	498
UN-11-21-4500	110	4500	4205	210	4.2	32.2	128.5	1.55	1494	1162	677	510
UN-11-21-4600	110	4600	4305	210	4.3	33.0	131.5	1.55	1530	1189	693	522
UN-11-21-4700	110	4700	4405	210	4.4	33.7	134.6	1.55	1565	1217	709	535
UN-11-21-4800	110	4800	4505	210	4.5	34.4	137.6	1.55	1601	1244	725	547

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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 EN442
 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.

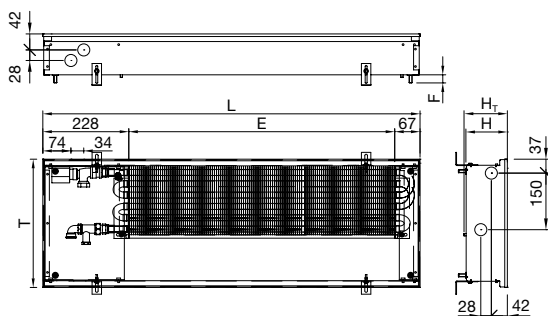
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-11-25-800	110	800	505	255	0.5	5.9	20.9	1.46	243	192	115	88
UN-11-25-900	110	900	605	255	0.6	6.7	25.1	1.46	292	230	138	106
UN-11-25-1000	110	1000	705	255	0.7	7.5	29.2	1.46	340	268	161	123
UN-11-25-1100	110	1100	805	255	0.8	8.3	33.4	1.46	388	306	184	141
UN-11-25-1200	110	1200	905	255	0.9	9.1	37.5	1.46	436	344	207	159
UN-11-25-1300	110	1300	1005	255	1.0	9.8	41.6	1.46	484	382	230	176
UN-11-25-1400	110	1400	1105	255	1.1	10.6	45.8	1.46	532	420	253	194
UN-11-25-1500	110	1500	1205	255	1.2	11.4	49.9	1.46	581	458	275	211
UN-11-25-1600	110	1600	1305	255	1.3	12.2	54.1	1.46	629	496	298	229
UN-11-25-1700	110	1700	1405	255	1.4	13.0	58.2	1.46	677	534	321	246
UN-11-25-1800	110	1800	1505	255	1.5	13.8	62.4	1.46	725	572	344	264
UN-11-25-1900	110	1900	1605	255	1.6	14.6	66.5	1.46	773	610	367	281
UN-11-25-2000	110	2000	1705	255	1.7	15.3	70.6	1.46	822	648	390	299
UN-11-25-2100	110	2100	1805	255	1.8	16.1	74.8	1.46	870	686	413	316
UN-11-25-2200	110	2200	1905	255	1.9	16.9	78.9	1.46	918	724	435	334
UN-11-25-2300	110	2300	2005	255	2.0	17.7	83.1	1.46	966	762	458	351
UN-11-25-2400	110	2400	2105	255	2.1	18.5	87.2	1.46	1014	800	481	369
UN-11-25-2500	110	2500	2205	255	2.2	19.3	91.4	1.46	1062	838	504	386
UN-11-25-2600	110	2600	2305	255	2.3	20.1	95.5	1.46	1111	876	527	404
UN-11-25-2700	110	2700	2405	255	2.4	20.8	99.6	1.46	1159	914	550	421
UN-11-25-2800	110	2800	2505	255	2.5	21.6	103.8	1.46	1207	952	573	439
UN-11-25-2900	110	2900	2605	255	2.6	22.4	107.9	1.46	1255	990	595	456
UN-11-25-3000	110	3000	2705	255	2.7	23.2	112.1	1.46	1303	1028	618	474
UN-11-25-3100	110	3100	2805	255	2.8	24.0	116.2	1.46	1352	1066	641	491
UN-11-25-3200	110	3200	2905	255	2.9	24.8	120.4	1.46	1400	1104	664	509
UN-11-25-3300	110	3300	3005	255	3.0	25.6	124.5	1.46	1448	1142	687	526
UN-11-25-3400	110	3400	3105	255	3.1	26.3	128.6	1.46	1496	1180	710	544
UN-11-25-3500	110	3500	3205	255	3.2	27.1	132.6	1.46	1544	1218	733	561
UN-11-25-3600	110	3600	3305	255	3.3	27.9	136.9	1.46	1593	1256	755	579
UN-11-25-3700	110	3700	3405	255	3.4	28.7	141.1	1.46	1641	1294	778	596
UN-11-25-3800	110	3800	3505	255	3.5	29.5	145.2	1.46	1689	1332	801	614
UN-11-25-3900	110	3900	3605	255	3.6	30.3	149.4	1.46	1737	1370	824	631
UN-11-25-4000	110	4000	3705	255	3.7	31.1	153.5	1.46	1785	1408	847	649
UN-11-25-4100	110	4100	3805	255	3.8	31.8	157.6	1.46	1833	1446	870	666
UN-11-25-4200	110	4200	3905	255	3.9	32.6	161.8	1.46	1882	1484	893	684
UN-11-25-4300	110	4300	4005	255	4.0	33.4	165.9	1.46	1930	1522	915	701
UN-11-25-4400	110	4400	4105	255	4.1	34.2	170.1	1.46	1978	1560	938	719
UN-11-25-4500	110	4500	4205	255	4.2	35.0	174.2	1.46	2026	1598	961	737
UN-11-25-4600	110	4600	4305	255	4.3	35.8	178.4	1.46	2074	1636	984	754
UN-11-25-4700	110	4700	4405	255	4.4	36.6	182.5	1.46	2123	1674	1007	772
UN-11-25-4800	110	4800	4505	255	4.5	37.3	186.6	1.46	2171	1712	1030	789

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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

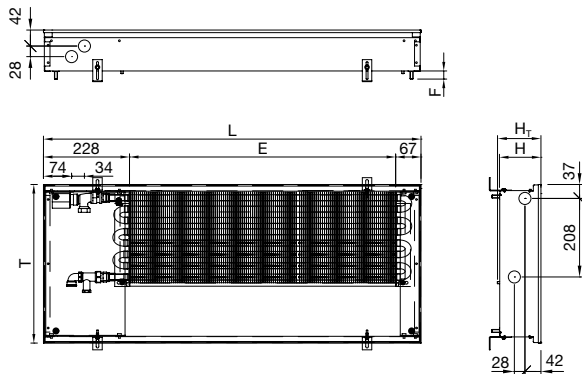
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-11-34-800	110	800	505	340	0.8	7.7	27.0	1.40	314	250	153	119
UN-11-34-900	110	900	605	340	0.9	8.8	32.3	1.40	376	299	184	142
UN-11-34-1000	110	1000	705	340	1.0	9.8	37.6	1.40	438	349	214	166
UN-11-34-1100	110	1100	805	340	1.1	10.9	43.0	1.40	500	398	245	189
UN-11-34-1200	110	1200	905	340	1.2	11.9	48.3	1.40	562	448	275	213
UN-11-34-1300	110	1300	1005	340	1.3	13.0	53.7	1.40	624	497	305	236
UN-11-34-1400	110	1400	1105	340	1.4	14.0	59.0	1.40	686	547	336	260
UN-11-34-1500	110	1500	1205	340	1.5	15.1	64.3	1.40	748	596	366	284
UN-11-34-1600	110	1600	1305	340	1.6	16.1	69.7	1.40	810	645	396	307
UN-11-34-1700	110	1700	1405	340	1.7	17.2	75.0	1.40	873	695	427	331
UN-11-34-1800	110	1800	1505	340	1.8	18.2	80.4	1.40	935	744	457	354
UN-11-34-1900	110	1900	1605	340	1.9	19.3	85.7	1.40	997	794	488	378
UN-11-34-2000	110	2000	1705	340	2.0	20.3	91.0	1.40	1059	843	518	401
UN-11-34-2100	110	2100	1805	340	2.1	21.4	96.4	1.40	1121	893	548	425
UN-11-34-2200	110	2200	1905	340	2.2	22.4	101.7	1.40	1183	942	579	448
UN-11-34-2300	110	2300	2005	340	2.3	23.5	107.1	1.40	1245	992	609	472
UN-11-34-2400	110	2400	2105	340	2.4	24.6	112.4	1.40	1307	1041	639	495
UN-11-34-2500	110	2500	2205	340	2.5	25.6	117.7	1.40	1369	1091	670	519
UN-11-34-2600	110	2600	2305	340	2.6	26.7	123.1	1.40	1431	1140	700	542
UN-11-34-2700	110	2700	2405	340	2.7	27.7	128.4	1.40	1494	1190	730	566
UN-11-34-2800	110	2800	2505	340	2.8	28.8	133.8	1.40	1556	1239	761	589
UN-11-34-2900	110	2900	2605	340	2.9	29.8	139.1	1.40	1618	1289	791	613
UN-11-34-3000	110	3000	2705	340	3.0	30.9	144.4	1.40	1680	1338	822	637
UN-11-34-3100	110	3100	2805	340	3.1	31.9	149.8	1.40	1742	1387	852	660
UN-11-34-3200	110	3200	2905	340	3.2	33.0	155.1	1.40	1804	1437	882	684
UN-11-34-3300	110	3300	3005	340	3.3	34.0	160.4	1.40	1866	1486	913	707
UN-11-34-3400	110	3400	3105	340	3.4	35.1	165.8	1.40	1928	1536	943	731
UN-11-34-3500	110	3500	3205	340	3.5	36.1	171.1	1.40	1990	1585	973	754
UN-11-34-3600	110	3600	3305	340	3.6	37.2	176.5	1.40	2052	1635	1004	778
UN-11-34-3700	110	3700	3405	340	3.7	38.2	181.8	1.40	2115	1684	1034	801
UN-11-34-3800	110	3800	3505	340	3.8	39.3	187.1	1.40	2177	1734	1065	825
UN-11-34-3900	110	3900	3605	340	3.9	40.3	192.5	1.40	2239	1783	1095	848
UN-11-34-4000	110	4000	3705	340	4.0	41.4	197.8	1.40	2301	1833	1125	872
UN-11-34-4100	110	4100	3805	340	4.1	42.4	203.2	1.40	2363	1882	1156	895
UN-11-34-4200	110	4200	3905	340	4.2	43.5	208.5	1.40	2425	1932	1186	919
UN-11-34-4300	110	4300	4005	340	4.3	44.5	213.8	1.40	2487	1981	1216	942
UN-11-34-4400	110	4400	4105	340	4.4	45.6	219.2	1.40	2549	2030	1247	966
UN-11-34-4500	110	4500	4205	340	4.5	46.6	224.5	1.40	2611	2080	1277	989
UN-11-34-4600	110	4600	4305	340	4.6	47.7	229.9	1.40	2673	2129	1308	1013
UN-11-34-4700	110	4700	4405	340	4.7	48.7	235.2	1.40	2736	2179	1338	1037
UN-11-34-4800	110	4800	4505	340	4.8	49.8	240.5	1.40	2798	2228	1368	1060

Zehnder Terraline

Model UN-11-42 – for same-side connection, room-facing or frontal**Grille not shown**

- 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 EN442
 Φ = Thermal output at system temperatures

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.

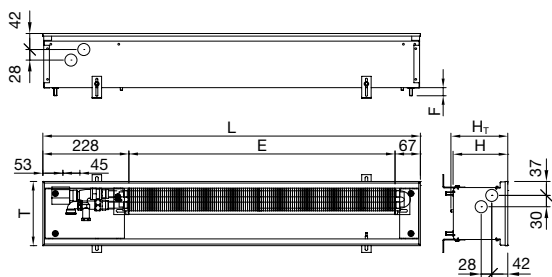
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-11-42-800	110	800	505	420	1.0	9.3	30.0	1.40	349	278	171	132
UN-11-42-900	110	900	605	420	1.2	10.6	36.0	1.40	418	333	205	158
UN-11-42-1000	110	1000	705	420	1.4	11.9	41.9	1.40	487	388	238	185
UN-11-42-1100	110	1100	805	420	1.6	13.2	47.8	1.40	556	443	272	211
UN-11-42-1200	110	1200	905	420	1.8	14.5	53.8	1.40	625	498	306	237
UN-11-42-1300	110	1300	1005	420	2.0	15.8	59.7	1.40	695	553	340	263
UN-11-42-1400	110	1400	1105	420	2.2	17.1	65.7	1.40	764	608	374	289
UN-11-42-1500	110	1500	1205	420	2.4	18.4	71.6	1.40	833	663	407	316
UN-11-42-1600	110	1600	1305	420	2.6	19.7	77.6	1.40	902	718	441	342
UN-11-42-1700	110	1700	1405	420	2.8	21.0	83.5	1.40	971	773	475	368
UN-11-42-1800	110	1800	1505	420	3.0	22.2	89.4	1.40	1040	829	509	394
UN-11-42-1900	110	1900	1605	420	3.2	23.5	95.4	1.40	1109	884	543	420
UN-11-42-2000	110	2000	1705	420	3.4	24.8	101.3	1.40	1178	939	576	447
UN-11-42-2100	110	2100	1805	420	3.6	26.1	107.3	1.40	1248	994	610	473
UN-11-42-2200	110	2200	1905	420	3.8	27.4	113.2	1.40	1317	1049	644	499
UN-11-42-2300	110	2300	2005	420	4.0	28.7	119.1	1.40	1386	1104	678	525
UN-11-42-2400	110	2400	2105	420	4.2	30.0	125.1	1.40	1455	1159	712	551
UN-11-42-2500	110	2500	2205	420	4.4	31.3	131.0	1.40	1524	1214	745	577
UN-11-42-2600	110	2600	2305	420	4.6	32.6	137.0	1.40	1593	1269	779	604
UN-11-42-2700	110	2700	2405	420	4.8	33.9	142.9	1.40	1662	1324	813	630
UN-11-42-2800	110	2800	2505	420	5.0	35.2	148.9	1.40	1731	1379	847	656
UN-11-42-2900	110	2900	2605	420	5.2	36.4	154.8	1.40	1800	1434	881	682
UN-11-42-3000	110	3000	2705	420	5.4	37.7	160.7	1.40	1870	1489	914	708
UN-11-42-3100	110	3100	2805	420	5.6	39.0	166.7	1.40	1939	1544	948	735
UN-11-42-3200	110	3200	2905	420	5.8	40.3	172.6	1.40	2008	1599	982	761
UN-11-42-3300	110	3300	3005	420	6.0	41.6	178.6	1.40	2077	1654	1016	787
UN-11-42-3400	110	3400	3105	420	6.2	42.9	184.5	1.40	2146	1709	1050	813
UN-11-42-3500	110	3500	3205	420	6.4	44.2	190.5	1.40	2215	1764	1083	839
UN-11-42-3600	110	3600	3305	420	6.6	45.5	196.4	1.40	2284	1819	1117	866
UN-11-42-3700	110	3700	3405	420	6.8	46.8	202.3	1.40	2353	1874	1151	892
UN-11-42-3800	110	3800	3505	420	7.0	48.1	208.3	1.40	2422	1930	1185	918
UN-11-42-3900	110	3900	3605	420	7.2	49.4	214.2	1.40	2492	1985	1219	944
UN-11-42-4000	110	4000	3705	420	7.4	50.7	220.2	1.40	2561	2040	1252	970
UN-11-42-4100	110	4100	3805	420	7.6	51.9	226.1	1.40	2630	2095	1286	997
UN-11-42-4200	110	4200	3905	420	7.8	53.2	232.1	1.40	2699	2150	1320	1023
UN-11-42-4300	110	4300	4005	420	8.0	54.5	238.0	1.40	2768	2205	1354	1049
UN-11-42-4400	110	4400	4105	420	8.2	55.8	243.9	1.40	2837	2260	1388	1075
UN-11-42-4500	110	4500	4205	420	8.4	57.1	249.9	1.40	2906	2315	1422	1101
UN-11-42-4600	110	4600	4305	420	8.6	58.4	255.8	1.40	2975	2370	1455	1127
UN-11-42-4700	110	4700	4405	420	8.8	59.7	261.8	1.40	3045	2425	1489	1154
UN-11-42-4800	110	4800	4505	420	9.0	61.0	267.7	1.40	3114	2480	1523	1180

Zehnder Terraline



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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

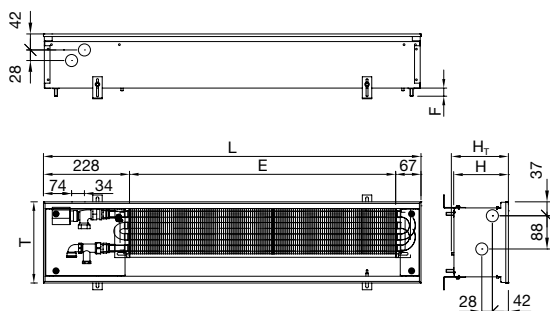
Valves and actuators are not included as standard

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, 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
	mm	mm	mm	mm	dm ³	kg	kg/h					
UN-14-17-800	145	800	505	170	0.3	4.6	12.5	1.49	146	114	68	52
UN-14-17-900	145	900	605	170	0.3	5.2	15.0	1.49	175	137	82	62
UN-14-17-1000	145	1000	705	170	0.3	5.8	17.5	1.49	203	160	95	72
UN-14-17-1100	145	1100	805	170	0.4	6.4	20.0	1.49	232	182	109	83
UN-14-17-1200	145	1200	905	170	0.4	7.0	22.5	1.49	261	205	122	93
UN-14-17-1300	145	1300	1005	170	0.5	7.5	24.7	1.44	290	228	136	103
UN-14-17-1400	145	1400	1105	170	0.5	8.1	27.2	1.44	319	250	149	114
UN-14-17-1500	145	1500	1205	170	0.6	8.7	29.7	1.44	349	273	162	124
UN-14-17-1600	145	1600	1305	170	0.6	9.3	32.2	1.44	377	296	176	134
UN-14-17-1700	145	1700	1405	170	0.7	9.9	34.7	1.44	406	318	189	144
UN-14-17-1800	145	1800	1505	170	0.7	10.5	37.2	1.49	434	341	203	155
UN-14-17-1900	145	1900	1605	170	0.8	11.1	39.7	1.49	463	364	216	165
UN-14-17-2000	145	2000	1705	170	0.8	11.6	42.2	1.49	492	386	230	175
UN-14-17-2100	145	2100	1805	170	0.9	12.2	44.7	1.49	521	409	243	185
UN-14-17-2200	145	2200	1905	170	0.9	12.8	47.2	1.49	550	432	257	196
UN-14-17-2300	145	2300	2005	170	1.0	13.4	49.7	1.49	579	454	270	206
UN-14-17-2400	145	2400	2105	170	1.0	14.0	52.2	1.49	608	477	284	216
UN-14-17-2500	145	2500	2205	170	1.1	14.6	54.7	1.49	636	500	297	227
UN-14-17-2600	145	2600	2305	170	1.1	15.2	57.2	1.49	665	522	311	237
UN-14-17-2700	145	2700	2405	170	1.2	15.7	59.7	1.49	694	545	324	247
UN-14-17-2800	145	2800	2505	170	1.2	16.3	62.2	1.49	723	568	338	257
UN-14-17-2900	145	2900	2605	170	1.3	16.9	64.7	1.49	752	590	351	268
UN-14-17-3000	145	3000	2705	170	1.3	17.5	67.1	1.49	781	613	365	278
UN-14-17-3100	145	3100	2805	170	1.4	18.1	69.6	1.49	810	636	378	288
UN-14-17-3200	145	3200	2905	170	1.4	18.7	72.1	1.49	839	658	392	299
UN-14-17-3300	145	3300	3005	170	1.5	19.3	74.6	1.49	867	681	405	309
UN-14-17-3400	145	3400	3105	170	1.5	19.8	77.1	1.49	896	704	419	319
UN-14-17-3500	145	3500	3205	170	1.6	20.4	79.5	1.49	925	726	432	329
UN-14-17-3600	145	3600	3305	170	1.6	21.0	82.0	1.49	954	749	446	340
UN-14-17-3700	145	3700	3405	170	1.7	21.6	84.5	1.49	983	771	459	350
UN-14-17-3800	145	3800	3505	170	1.7	22.2	87.0	1.49	1012	794	473	360
UN-14-17-3900	145	3900	3605	170	1.8	22.8	89.5	1.49	1041	817	486	370
UN-14-17-4000	145	4000	3705	170	1.8	23.3	92.0	1.49	1069	839	500	381
UN-14-17-4100	145	4100	3805	170	1.9	23.9	94.4	1.49	1098	862	513	391
UN-14-17-4200	145	4200	3905	170	1.9	24.5	96.9	1.49	1127	885	527	401
UN-14-17-4300	145	4300	4005	170	2.0	25.1	99.4	1.49	1156	907	540	412
UN-14-17-4400	145	4400	4105	170	2.0	25.7	101.9	1.49	1185	930	554	422
UN-14-17-4500	145	4500	4205	170	2.1	26.3	104.4	1.49	1214	953	567	432
UN-14-17-4600	145	4600	4305	170	2.1	26.9	106.8	1.49	1243	975	580	442
UN-14-17-4700	145	4700	4405	170	2.2	27.4	109.3	1.49	1272	998	594	453
UN-14-17-4800	145	4800	4505	170	2.2	28.0	111.8	1.49	1300	1021	607	463

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 EN442
 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.

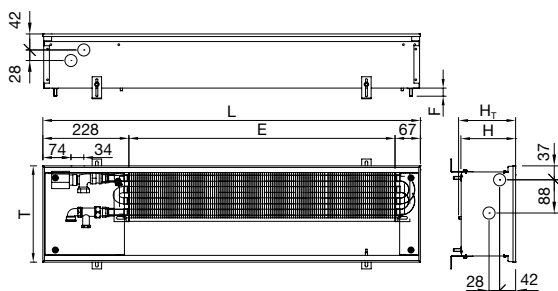
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-14-21-800	145	800	505	215	0.5	5.8	16.3	1.50	190	149	88	67
UN-14-21-900	145	900	605	215	0.6	6.6	19.6	1.50	228	178	106	80
UN-14-21-1000	145	1000	705	215	0.7	7.4	22.8	1.50	265	208	123	94
UN-14-21-1100	145	1100	805	215	0.8	8.2	26.0	1.50	303	237	141	107
UN-14-21-1200	145	1200	905	215	0.9	9.0	29.3	1.50	340	267	158	120
UN-14-21-1300	145	1300	1005	215	1.0	9.7	32.5	1.50	378	296	176	134
UN-14-21-1400	145	1400	1105	215	1.1	10.5	35.7	1.50	416	326	193	147
UN-14-21-1500	145	1500	1205	215	1.2	11.3	39.0	1.50	453	355	211	160
UN-14-21-1600	145	1600	1305	215	1.3	12.1	42.2	1.50	491	385	228	174
UN-14-21-1700	145	1700	1405	215	1.4	12.8	45.4	1.50	528	414	246	187
UN-14-21-1800	145	1800	1505	215	1.5	13.6	48.7	1.50	566	444	263	200
UN-14-21-1900	145	1900	1605	215	1.6	14.4	51.9	1.50	604	473	281	213
UN-14-21-2000	145	2000	1705	215	1.7	15.2	55.1	1.50	641	502	298	227
UN-14-21-2100	145	2100	1805	215	1.8	15.9	58.4	1.50	679	532	315	240
UN-14-21-2200	145	2200	1905	215	1.9	16.7	61.6	1.50	716	561	333	253
UN-14-21-2300	145	2300	2005	215	2.0	17.5	64.8	1.50	754	591	350	267
UN-14-21-2400	145	2400	2105	215	2.1	18.3	68.1	1.50	792	620	368	280
UN-14-21-2500	145	2500	2205	215	2.2	19.1	71.3	1.50	829	650	385	293
UN-14-21-2600	145	2600	2305	215	2.3	19.8	74.5	1.50	867	679	403	306
UN-14-21-2700	145	2700	2405	215	2.4	20.6	77.8	1.50	904	709	420	320
UN-14-21-2800	145	2800	2505	215	2.5	21.4	81.0	1.50	942	738	438	333
UN-14-21-2900	145	2900	2605	215	2.6	22.2	84.2	1.50	980	768	455	346
UN-14-21-3000	145	3000	2705	215	2.7	22.9	87.5	1.50	1017	797	473	360
UN-14-21-3100	145	3100	2805	215	2.8	23.7	90.7	1.50	1055	827	490	373
UN-14-21-3200	145	3200	2905	215	2.9	24.5	93.9	1.50	1092	856	508	386
UN-14-21-3300	145	3300	3005	215	3.0	25.3	97.2	1.50	1130	886	525	400
UN-14-21-3400	145	3400	3105	215	3.1	26.0	100.4	1.50	1168	915	543	413
UN-14-21-3500	145	3500	3205	215	3.2	26.8	103.6	1.50	1205	945	560	426
UN-14-21-3600	145	3600	3305	215	3.3	27.6	106.9	1.50	1243	974	578	439
UN-14-21-3700	145	3700	3405	215	3.4	28.4	110.1	1.50	1280	1003	595	453
UN-14-21-3800	145	3800	3505	215	3.5	29.2	113.3	1.50	1318	1033	613	466
UN-14-21-3900	145	3900	3605	215	3.6	29.9	116.6	1.50	1356	1062	630	479
UN-14-21-4000	145	4000	3705	215	3.7	30.7	119.8	1.50	1393	1092	648	493
UN-14-21-4100	145	4100	3805	210	3.8	31.5	123.0	1.50	1431	1121	665	506
UN-14-21-4200	145	4200	3905	210	3.9	32.3	126.3	1.50	1468	1151	682	519
UN-14-21-4300	145	4300	4005	210	4.0	33.0	129.5	1.50	1506	1180	700	532
UN-14-21-4400	145	4400	4105	210	4.1	33.8	132.7	1.50	1544	1210	717	546
UN-14-21-4500	145	4500	4205	210	4.2	34.6	136.0	1.50	1581	1239	735	559
UN-14-21-4600	145	4600	4305	210	4.3	35.4	139.2	1.50	1619	1269	752	572
UN-14-21-4700	145	4700	4405	210	4.4	36.1	142.4	1.50	1657	1298	770	586
UN-14-21-4800	145	4800	4505	210	4.5	36.9	145.7	1.50	1694	1328	787	599

Zehnder Terraline



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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

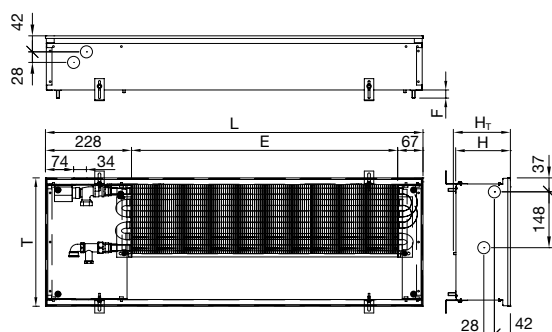
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-14-25-800	145	800	505	255	0.5	6.5	24.0	1.44	279	221	134	103
UN-14-25-900	145	900	605	255	0.6	7.4	28.7	1.44	334	264	160	123
UN-14-25-1000	145	1000	705	255	0.7	8.2	33.5	1.44	389	308	186	143
UN-14-25-1100	145	1100	805	255	0.8	9.1	38.2	1.44	444	352	213	164
UN-14-25-1200	145	1200	905	255	0.9	9.9	43.0	1.44	500	395	239	184
UN-14-25-1300	145	1300	1005	255	1.0	10.8	47.7	1.44	555	439	266	204
UN-14-25-1400	145	1400	1105	255	1.1	11.7	52.4	1.44	610	483	292	224
UN-14-25-1500	145	1500	1205	255	1.2	12.5	57.2	1.44	665	526	319	245
UN-14-25-1600	145	1600	1305	255	1.3	13.4	61.9	1.44	720	570	345	265
UN-14-25-1700	145	1700	1405	255	1.4	14.2	66.7	1.44	776	614	372	285
UN-14-25-1800	145	1800	1505	255	1.5	15.1	71.4	1.44	831	657	398	306
UN-14-25-1900	145	1900	1605	255	1.6	16.0	76.2	1.44	886	701	425	327
UN-14-25-2000	145	2000	1705	255	1.7	16.8	80.9	1.44	941	745	451	347
UN-14-25-2100	145	2100	1805	255	1.8	17.7	85.7	1.44	996	788	477	367
UN-14-25-2200	145	2200	1905	255	1.9	18.5	90.4	1.44	1052	832	504	388
UN-14-25-2300	145	2300	2005	255	2.0	19.4	95.2	1.44	1107	876	530	408
UN-14-25-2400	145	2400	2105	255	2.1	20.3	99.9	1.44	1162	920	557	428
UN-14-25-2500	145	2500	2205	255	2.2	21.1	104.7	1.44	1217	963	583	449
UN-14-25-2600	145	2600	2305	255	2.3	22.0	109.4	1.44	1272	1007	610	469
UN-14-25-2700	145	2700	2405	255	2.4	22.8	114.1	1.44	1328	1051	636	489
UN-14-25-2800	145	2800	2505	255	2.5	23.7	118.9	1.44	1383	1094	663	510
UN-14-25-2900	145	2900	2605	255	2.6	24.6	123.6	1.44	1438	1138	689	530
UN-14-25-3000	145	3000	2705	255	2.7	25.4	128.4	1.44	1493	1182	716	550
UN-14-25-3100	145	3100	2805	255	2.8	26.3	133.1	1.44	1548	1225	742	571
UN-14-25-3200	145	3200	2905	255	2.9	27.1	137.9	1.44	1604	1269	768	591
UN-14-25-3300	145	3300	3005	255	3.0	28.0	142.6	1.44	1659	1313	795	611
UN-14-25-3400	145	3400	3105	255	3.1	28.9	147.4	1.44	1714	1356	821	632
UN-14-25-3500	145	3500	3205	255	3.2	29.7	152.1	1.44	1769	1400	848	652
UN-14-25-3600	145	3600	3305	255	3.3	30.6	156.9	1.44	1824	1444	874	672
UN-14-25-3700	145	3700	3405	255	3.4	31.4	161.6	1.44	1880	1487	901	693
UN-14-25-3800	145	3800	3505	255	3.5	32.3	166.4	1.44	1935	1531	927	713
UN-14-25-3900	145	3900	3605	255	3.6	33.2	171.1	1.44	1990	1575	954	733
UN-14-25-4000	145	4000	3705	255	3.7	34.0	175.8	1.44	2045	1618	980	754
UN-14-25-4100	145	4100	3805	255	3.8	34.9	180.6	1.44	2100	1662	1007	774
UN-14-25-4200	145	4200	3905	255	3.9	35.7	185.3	1.44	2156	1706	1033	794
UN-14-25-4300	145	4300	4005	255	4.0	36.6	190.1	1.44	2211	1749	1059	815
UN-14-25-4400	145	4400	4105	255	4.1	37.5	194.8	1.44	2266	1793	1086	835
UN-14-25-4500	145	4500	4205	255	4.2	38.3	199.6	1.44	2321	1837	1112	856
UN-14-25-4600	145	4600	4305	255	4.3	39.2	204.3	1.44	2376	1881	1139	876
UN-14-25-4700	145	4700	4405	255	4.4	40.0	209.1	1.44	2432	1924	1165	896
UN-14-25-4800	145	4800	4505	255	4.5	40.9	213.8	1.44	2487	1968	1192	917

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 EN442
 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.

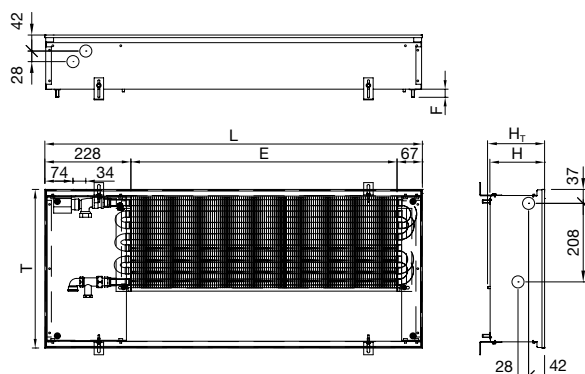
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-14-34-800	145	800	505	340	0.8	8.2	35.5	1.43	413	327	199	153
UN-14-34-900	145	900	605	340	0.9	9.3	42.5	1.43	495	392	238	184
UN-14-34-1000	145	1000	705	340	1.0	10.4	49.6	1.43	576	457	278	214
UN-14-34-1100	145	1100	805	340	1.2	11.5	56.6	1.43	658	522	317	244
UN-14-34-1200	145	1200	905	340	1.3	12.7	63.6	1.43	740	587	356	275
UN-14-34-1300	145	1300	1005	340	1.5	13.8	70.7	1.43	822	651	396	305
UN-14-34-1400	145	1400	1105	340	1.6	14.9	77.7	1.43	904	716	435	335
UN-14-34-1500	145	1500	1205	340	1.8	16.0	84.7	1.43	985	781	475	366
UN-14-34-1600	145	1600	1305	340	1.9	17.1	91.7	1.43	1067	846	514	396
UN-14-34-1700	145	1700	1405	340	2.1	18.2	98.8	1.43	1149	911	553	426
UN-14-34-1800	145	1800	1505	340	2.2	19.3	105.8	1.43	1231	975	593	457
UN-14-34-1900	145	1900	1605	340	2.4	20.4	112.8	1.43	1312	1040	632	487
UN-14-34-2000	145	2000	1705	340	2.5	21.6	119.9	1.43	1394	1105	672	517
UN-14-34-2100	145	2100	1805	340	2.7	22.7	126.9	1.43	1476	1170	711	548
UN-14-34-2200	145	2200	1905	340	2.8	23.8	133.9	1.43	1558	1235	750	578
UN-14-34-2300	145	2300	2005	340	3.0	24.9	141.0	1.43	1639	1299	790	608
UN-14-34-2400	145	2400	2105	340	3.1	26.0	148.0	1.43	1721	1364	829	639
UN-14-34-2500	145	2500	2205	340	3.3	27.1	155.0	1.43	1803	1429	868	669
UN-14-34-2600	145	2600	2305	340	3.4	28.2	162.0	1.43	1885	1494	908	699
UN-14-34-2700	145	2700	2405	340	3.6	29.4	169.1	1.43	1966	1559	947	730
UN-14-34-2800	145	2800	2505	340	3.7	30.5	176.1	1.43	2048	1623	987	760
UN-14-34-2900	145	2900	2605	340	3.9	31.6	183.1	1.43	2130	1688	1026	791
UN-14-34-3000	145	3000	2705	340	4.0	32.7	190.2	1.43	2212	1753	1065	821
UN-14-34-3100	145	3100	2805	340	4.2	33.8	197.2	1.43	2294	1818	1105	851
UN-14-34-3200	145	3200	2905	340	4.3	34.9	204.2	1.43	2375	1883	1144	882
UN-14-34-3300	145	3300	3005	340	4.5	36.0	211.3	1.43	2457	1948	1183	912
UN-14-34-3400	145	3400	3105	340	4.6	37.1	218.3	1.43	2539	2012	1223	942
UN-14-34-3500	145	3500	3205	340	4.8	38.3	225.3	1.43	2621	2077	1262	973
UN-14-34-3600	145	3600	3305	340	4.9	39.4	232.3	1.43	2702	2142	1302	1003
UN-14-34-3700	145	3700	3405	340	5.1	40.5	239.4	1.43	2784	2207	1341	1033
UN-14-34-3800	145	3800	3505	340	5.2	41.6	246.4	1.43	2866	2272	1380	1064
UN-14-34-3900	145	3900	3605	340	5.4	42.7	253.4	1.43	2948	2336	1420	1094
UN-14-34-4000	145	4000	3705	340	5.5	43.8	260.5	1.43	3029	2401	1459	1124
UN-14-34-4100	145	4100	3805	340	5.7	44.9	267.5	1.43	3111	2466	1499	1155
UN-14-34-4200	145	4200	3905	340	5.8	46.0	274.5	1.43	3193	2531	1538	1185
UN-14-34-4300	145	4300	4005	340	6.0	47.2	281.6	1.43	3275	2596	1577	1215
UN-14-34-4400	145	4400	4105	340	6.1	48.3	288.6	1.43	3356	2660	1617	1246
UN-14-34-4500	145	4500	4205	340	6.3	49.4	295.6	1.43	3438	2725	1656	1276
UN-14-34-4600	145	4600	4305	340	6.4	50.5	302.6	1.43	3520	2790	1695	1306
UN-14-34-4700	145	4700	4405	340	6.6	51.6	309.7	1.43	3602	2855	1735	1337
UN-14-34-4800	145	4800	4505	340	6.7	52.7	316.7	1.43	3684	2920	1774	1367

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 EN442
 Φ = Thermal output at system temperatures

Dimensions in mm

Grille not shown

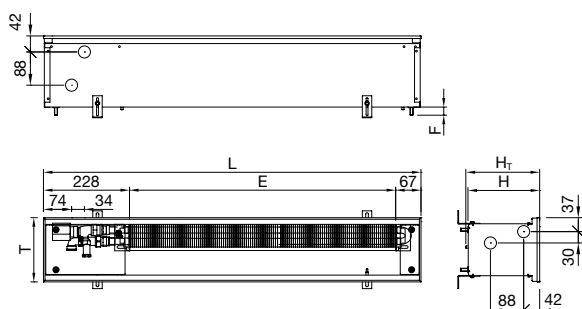
Valves and actuators are not included as standard

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	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-14-42-800	145	800	505	420	1.0	9.9	43.4	1.40	505	402	247	191
UN-14-42-900	145	900	605	420	1.2	11.2	52.0	1.40	605	482	296	229
UN-14-42-1000	145	1000	705	420	1.4	12.6	60.6	1.40	705	561	345	267
UN-14-42-1100	145	1100	805	420	1.6	13.9	69.2	1.40	804	641	393	305
UN-14-42-1200	145	1200	905	420	1.8	15.3	77.8	1.40	904	720	442	343
UN-14-42-1300	145	1300	1005	420	2.0	16.6	86.4	1.40	1004	800	491	381
UN-14-42-1400	145	1400	1105	420	2.2	18.0	94.9	1.40	1104	880	540	418
UN-14-42-1500	145	1500	1205	420	2.4	19.3	103.5	1.40	1204	959	589	456
UN-14-42-1600	145	1600	1305	420	2.6	20.7	112.1	1.40	1304	1039	638	494
UN-14-42-1700	145	1700	1405	420	2.8	22.1	120.7	1.40	1404	1118	687	532
UN-14-42-1800	145	1800	1505	420	3.0	23.4	129.3	1.40	1504	1198	736	570
UN-14-42-1900	145	1900	1605	420	3.2	24.8	137.9	1.40	1604	1278	785	608
UN-14-42-2000	145	2000	1705	420	3.4	26.1	146.5	1.40	1704	1357	833	646
UN-14-42-2100	145	2100	1805	420	3.6	27.5	155.1	1.40	1804	1437	882	684
UN-14-42-2200	145	2200	1905	420	3.8	28.8	163.7	1.40	1904	1516	931	721
UN-14-42-2300	145	2300	2005	420	4.0	30.2	172.3	1.40	2004	1596	980	759
UN-14-42-2400	145	2400	2105	420	4.2	31.6	180.9	1.40	2104	1676	1029	797
UN-14-42-2500	145	2500	2205	420	4.4	32.9	189.5	1.40	2204	1755	1078	835
UN-14-42-2600	145	2600	2305	420	4.6	34.3	198.1	1.40	2304	1835	1127	873
UN-14-42-2700	145	2700	2405	420	4.8	35.6	206.6	1.40	2403	1914	1176	911
UN-14-42-2800	145	2800	2505	420	5.0	37.0	215.2	1.40	2503	1994	1224	949
UN-14-42-2900	145	2900	2605	420	5.2	38.3	223.8	1.40	2603	2074	1273	986
UN-14-42-3000	145	3000	2705	420	5.4	39.7	232.4	1.40	2703	2153	1322	1024
UN-14-42-3100	145	3100	2805	420	5.6	41.1	241.0	1.40	2803	2233	1371	1062
UN-14-42-3200	145	3200	2905	420	5.8	42.4	249.6	1.40	2903	2312	1420	1100
UN-14-42-3300	145	3300	3005	420	6.0	43.8	258.2	1.40	3003	2392	1469	1138
UN-14-42-3400	145	3400	3105	420	6.2	45.1	266.8	1.40	3103	2472	1518	1176
UN-14-42-3500	145	3500	3205	420	6.4	46.5	275.4	1.40	3203	2551	1567	1214
UN-14-42-3600	145	3600	3305	420	6.6	47.8	284.0	1.40	3303	2631	1615	1252
UN-14-42-3700	145	3700	3405	420	6.8	49.2	292.6	1.40	3403	2710	1664	1289
UN-14-42-3800	145	3800	3505	420	7.0	50.5	301.2	1.40	3503	2790	1713	1327
UN-14-42-3900	145	3900	3605	420	7.2	51.9	309.8	1.40	3603	2870	1762	1365
UN-14-42-4000	145	4000	3705	420	7.3	53.3	318.4	1.40	3703	2949	1811	1403
UN-14-42-4100	145	4100	3805	420	7.5	54.6	326.9	1.40	3803	3029	1860	1441
UN-14-42-4200	145	4200	3905	420	7.7	56.0	335.5	1.40	3902	3108	1909	1479
UN-14-42-4300	145	4300	4005	420	7.9	57.3	344.1	1.40	4002	3188	1958	1517
UN-14-42-4400	145	4400	4105	420	8.1	58.7	352.7	1.40	4102	3268	2007	1554
UN-14-42-4500	145	4500	4205	420	8.3	60.0	361.3	1.40	4202	3347	2055	1592
UN-14-42-4600	145	4600	4305	420	8.5	61.4	369.9	1.40	4302	3427	2104	1630
UN-14-42-4700	145	4700	4405	420	8.7	62.8	378.5	1.40	4402	3506	2153	1668
UN-14-42-4800	145	4800	4505	420	8.9	64.1	387.1	1.40	4502	3586	2202	1706

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 EN442
 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.

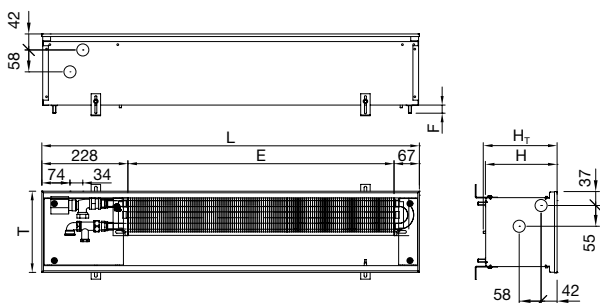
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-19-17-800	190	800	505	170	0.5	5.6	14.1	1.48	164	129	77	59
UN-19-17-900	190	900	605	170	0.6	6.4	16.9	1.48	197	155	92	71
UN-19-17-1000	190	1000	705	170	0.7	7.1	19.7	1.48	229	180	108	82
UN-19-17-1100	190	1100	805	170	0.8	7.9	22.5	1.48	262	206	123	94
UN-19-17-1200	190	1200	905	170	0.9	8.6	25.4	1.48	295	232	139	106
UN-19-17-1300	190	1300	1005	170	1.0	9.3	28.1	1.48	327	257	154	117
UN-19-17-1400	190	1400	1105	170	1.1	10.1	31.0	1.48	360	283	169	129
UN-19-17-1500	190	1500	1205	170	1.2	10.8	33.7	1.48	392	308	184	141
UN-19-17-1600	190	1600	1305	170	1.3	11.6	36.5	1.48	425	334	200	152
UN-19-17-1700	190	1700	1405	170	1.4	12.3	39.3	1.48	457	359	215	164
UN-19-17-1800	190	1800	1505	170	1.5	13.1	42.1	1.48	490	385	230	176
UN-19-17-1900	190	1900	1605	170	1.6	13.8	44.9	1.48	522	410	245	187
UN-19-17-2000	190	2000	1705	170	1.7	14.6	47.7	1.48	555	436	261	199
UN-19-17-2100	190	2100	1805	170	1.8	15.3	50.5	1.48	587	462	276	210
UN-19-17-2200	190	2200	1905	170	1.9	16.1	53.3	1.48	620	487	291	222
UN-19-17-2300	190	2300	2005	170	2.0	16.8	56.1	1.48	653	513	307	234
UN-19-17-2400	190	2400	2105	170	2.1	17.5	58.9	1.48	685	539	322	246
UN-19-17-2500	190	2500	2205	170	2.2	18.3	61.7	1.48	718	565	337	257
UN-19-17-2600	190	2600	2305	170	2.3	19.0	64.5	1.48	750	590	352	269
UN-19-17-2700	190	2700	2405	170	2.4	19.8	67.3	1.48	783	616	368	281
UN-19-17-2800	190	2800	2505	170	2.5	20.5	70.1	1.48	815	641	383	292
UN-19-17-2900	190	2900	2605	170	2.6	21.3	72.9	1.48	848	667	398	304
UN-19-17-3000	190	3000	2705	170	2.7	22.0	75.7	1.48	880	692	413	315
UN-19-17-3100	190	3100	2805	170	2.8	22.8	78.5	1.48	913	718	429	327
UN-19-17-3200	190	3200	2905	170	2.9	23.5	81.3	1.48	945	743	444	339
UN-19-17-3300	190	3300	3005	170	3.0	24.3	84.1	1.48	978	769	459	351
UN-19-17-3400	190	3400	3105	170	3.1	25.0	86.9	1.48	1011	795	475	362
UN-19-17-3500	190	3500	3205	170	3.2	25.7	89.7	1.48	1043	820	490	374
UN-19-17-3600	190	3600	3305	170	3.3	26.5	92.5	1.48	1076	846	505	386
UN-19-17-3700	190	3700	3405	170	3.4	27.2	95.3	1.48	1108	871	520	397
UN-19-17-3800	190	3800	3505	170	3.5	28.0	98.1	1.48	1141	897	536	409
UN-19-17-3900	190	3900	3605	170	3.6	28.7	100.9	1.48	1173	922	551	421
UN-19-17-4000	190	4000	3705	170	3.7	29.5	103.7	1.48	1206	948	566	432
UN-19-17-4100	190	4100	3805	170	3.8	30.2	106.4	1.48	1238	973	581	444
UN-19-17-4200	190	4200	3905	170	3.9	31.0	109.3	1.48	1271	999	597	456
UN-19-17-4300	190	4300	4005	170	4.0	31.7	112.0	1.48	1303	1024	612	467
UN-19-17-4400	190	4400	4105	170	4.1	32.5	114.9	1.48	1336	1050	627	479
UN-19-17-4500	190	4500	4205	170	4.2	33.2	117.7	1.48	1369	1076	643	491
UN-19-17-4600	190	4600	4305	170	4.3	34.0	120.5	1.48	1401	1101	658	502
UN-19-17-4700	190	4700	4405	170	4.4	34.7	123.3	1.48	1434	1127	673	514
UN-19-17-4800	190	4800	4505	170	4.5	35.4	126.0	1.48	1466	1153	688	526

Zehnder Terraline



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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

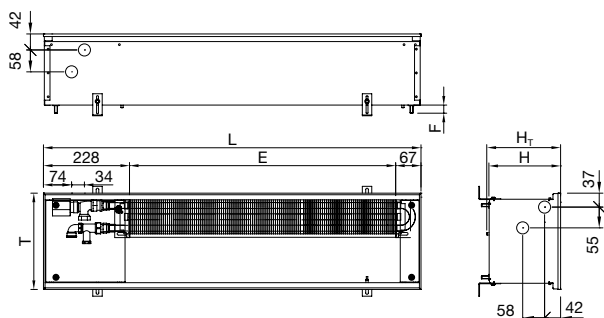
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-19-21-800	190	800	505	215	0.8	6.9	19.5	1.54	227	177	103	78
UN-19-21-900	190	900	605	215	0.9	7.8	23.4	1.54	272	212	124	94
UN-19-21-1000	190	1000	705	215	1.0	8.8	27.3	1.54	317	247	144	109
UN-19-21-1100	190	1100	805	215	1.2	9.7	31.1	1.54	362	282	165	124
UN-19-21-1200	190	1200	905	215	1.3	10.6	35.0	1.54	407	317	185	140
UN-19-21-1300	190	1300	1005	215	1.5	11.6	38.9	1.54	452	352	206	155
UN-19-21-1400	190	1400	1105	215	1.6	12.5	42.7	1.54	497	387	226	171
UN-19-21-1500	190	1500	1205	215	1.8	13.5	46.6	1.54	542	422	247	186
UN-19-21-1600	190	1600	1305	215	1.9	14.4	50.5	1.54	587	457	267	202
UN-19-21-1700	190	1700	1405	215	2.1	15.3	54.3	1.54	632	492	288	217
UN-19-21-1800	190	1800	1505	215	2.2	16.3	58.2	1.54	677	527	308	233
UN-19-21-1900	190	1900	1605	215	2.4	17.2	62.1	1.54	722	562	329	248
UN-19-21-2000	190	2000	1705	215	2.5	18.2	65.9	1.54	767	597	349	264
UN-19-21-2100	190	2100	1805	215	2.7	19.1	69.8	1.54	812	632	370	279
UN-19-21-2200	190	2200	1905	215	2.8	20.1	73.6	1.54	857	667	390	295
UN-19-21-2300	190	2300	2005	215	3.0	21.0	77.5	1.54	902	702	411	310
UN-19-21-2400	190	2400	2105	215	3.1	21.9	81.4	1.54	947	737	431	325
UN-19-21-2500	190	2500	2205	215	3.3	22.9	85.2	1.54	991	772	451	341
UN-19-21-2600	190	2600	2305	215	3.4	23.8	89.1	1.54	1036	807	472	356
UN-19-21-2700	190	2700	2405	215	3.6	24.8	93.0	1.54	1081	842	492	372
UN-19-21-2800	190	2800	2505	215	3.7	25.7	96.8	1.54	1126	877	513	387
UN-19-21-2900	190	2900	2605	215	3.9	26.7	100.7	1.54	1171	912	533	403
UN-19-21-3000	190	3000	2705	215	4.0	27.6	104.6	1.54	1216	947	554	418
UN-19-21-3100	190	3100	2805	215	4.2	28.5	108.4	1.54	1261	982	574	434
UN-19-21-3200	190	3200	2905	215	4.3	29.5	112.3	1.54	1306	1017	595	449
UN-19-21-3300	190	3300	3005	215	4.5	30.4	116.2	1.54	1351	1052	615	465
UN-19-21-3400	190	3400	3105	215	4.6	31.4	120.0	1.54	1396	1087	636	480
UN-19-21-3500	190	3500	3205	215	4.8	32.3	123.9	1.54	1441	1122	656	496
UN-19-21-3600	190	3600	3305	215	4.9	33.2	127.8	1.54	1486	1157	677	511
UN-19-21-3700	190	3700	3405	215	5.1	34.2	131.6	1.54	1531	1192	697	527
UN-19-21-3800	190	3800	3505	215	5.2	35.1	135.5	1.54	1576	1227	718	542
UN-19-21-3900	190	3900	3605	215	5.4	36.1	139.4	1.54	1621	1262	738	557
UN-19-21-4000	190	4000	3705	215	5.5	37.0	143.2	1.54	1666	1297	759	573
UN-19-21-4100	190	4100	3805	210	5.7	38.0	147.1	1.54	1711	1332	779	588
UN-19-21-4200	190	4200	3905	210	5.8	38.9	151.0	1.54	1756	1367	800	604
UN-19-21-4300	190	4300	4005	210	6.0	39.8	154.8	1.54	1801	1402	820	619
UN-19-21-4400	190	4400	4105	210	6.1	40.8	158.7	1.54	1846	1437	841	635
UN-19-21-4500	190	4500	4205	210	6.3	41.7	162.6	1.54	1891	1472	861	650
UN-19-21-4600	190	4600	4305	210	6.4	42.7	166.4	1.54	1936	1507	881	666
UN-19-21-4700	190	4700	4405	210	6.6	43.6	170.3	1.54	1981	1542	902	681
UN-19-21-4800	190	4800	4505	210	6.7	44.5	174.2	1.54	2026	1577	922	697

Zehnder Terraline

Model UN-19-25 – 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 EN442
 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.

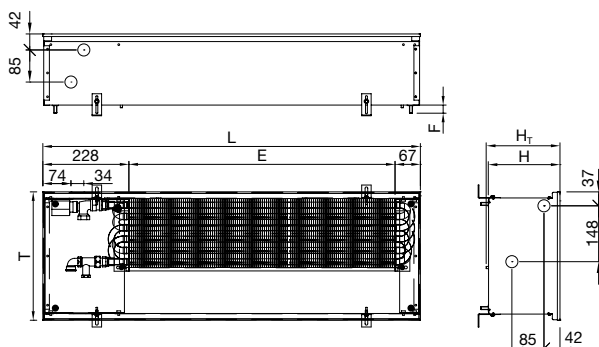
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-19-25-800	190	800	505	255	0.8	7.5	23.2	1.42	270	214	131	101
UN-19-25-900	190	900	605	255	0.9	8.6	27.9	1.42	324	257	157	121
UN-19-25-1000	190	1000	705	255	1.0	9.6	32.4	1.42	377	299	183	141
UN-19-25-1100	190	1100	805	255	1.2	10.6	37.0	1.42	430	341	208	161
UN-19-25-1200	190	1200	905	255	1.3	11.6	41.6	1.42	484	384	234	181
UN-19-25-1300	190	1300	1005	255	1.5	12.7	46.2	1.42	537	426	260	201
UN-19-25-1400	190	1400	1105	255	1.6	13.7	50.8	1.42	591	469	286	221
UN-19-25-1500	190	1500	1205	255	1.8	14.7	55.4	1.42	644	511	312	241
UN-19-25-1600	190	1600	1305	255	1.9	15.7	60.0	1.42	698	554	338	261
UN-19-25-1700	190	1700	1405	255	2.1	16.8	64.6	1.42	751	596	364	281
UN-19-25-1800	190	1800	1505	255	2.2	17.8	69.2	1.42	805	639	390	301
UN-19-25-1900	190	1900	1605	255	2.4	18.8	73.8	1.42	858	681	415	321
UN-19-25-2000	190	2000	1705	255	2.5	19.8	78.4	1.42	912	724	442	341
UN-19-25-2100	190	2100	1805	255	2.7	20.9	83.0	1.42	965	766	467	361
UN-19-25-2200	190	2200	1905	255	2.8	21.9	87.6	1.42	1019	809	493	381
UN-19-25-2300	190	2300	2005	255	3.0	22.9	92.2	1.42	1072	851	519	401
UN-19-25-2400	190	2400	2105	255	3.1	23.9	96.8	1.42	1126	894	545	421
UN-19-25-2500	190	2500	2205	255	3.3	24.9	101.4	1.42	1179	936	571	441
UN-19-25-2600	190	2600	2305	255	3.4	26.0	106.0	1.42	1233	979	597	461
UN-19-25-2700	190	2700	2405	255	3.6	27.0	110.6	1.42	1286	1021	623	481
UN-19-25-2800	190	2800	2505	255	3.7	28.0	115.2	1.42	1340	1064	649	501
UN-19-25-2900	190	2900	2605	255	3.9	29.0	119.8	1.42	1393	1106	674	521
UN-19-25-3000	190	3000	2705	255	4.0	30.1	124.3	1.42	1446	1148	700	540
UN-19-25-3100	190	3100	2805	255	4.2	31.1	129.0	1.42	1500	1191	726	561
UN-19-25-3200	190	3200	2905	255	4.3	32.1	133.5	1.42	1553	1233	752	580
UN-19-25-3300	190	3300	3005	255	4.5	33.1	138.2	1.42	1607	1276	778	601
UN-19-25-3400	190	3400	3105	255	4.6	34.2	142.7	1.42	1660	1318	804	620
UN-19-25-3500	190	3500	3205	255	4.8	35.2	147.4	1.42	1714	1361	830	641
UN-19-25-3600	190	3600	3305	255	4.9	36.2	151.9	1.42	1767	1403	855	660
UN-19-25-3700	190	3700	3405	255	5.1	37.2	156.6	1.42	1821	1446	882	681
UN-19-25-3800	190	3800	3505	255	5.2	38.3	161.1	1.42	1874	1488	907	700
UN-19-25-3900	190	3900	3605	255	5.4	39.3	165.8	1.42	1928	1531	933	721
UN-19-25-4000	190	4000	3705	255	5.5	40.3	170.3	1.42	1981	1573	959	740
UN-19-25-4100	190	4100	3805	255	5.7	41.3	175.0	1.42	2035	1616	985	761
UN-19-25-4200	190	4200	3905	255	5.8	42.4	179.5	1.42	2088	1658	1011	780
UN-19-25-4300	190	4300	4005	255	6.0	43.4	184.2	1.42	2142	1701	1037	800
UN-19-25-4400	190	4400	4105	255	6.1	44.4	188.7	1.42	2195	1743	1063	820
UN-19-25-4500	190	4500	4205	255	6.3	45.4	193.4	1.42	2249	1786	1089	840
UN-19-25-4600	190	4600	4305	255	6.4	46.5	197.9	1.42	2302	1828	1115	860
UN-19-25-4700	190	4700	4405	255	6.6	47.5	202.6	1.42	2356	1870	1141	880
UN-19-25-4800	190	4800	4505	255	6.7	48.5	207.1	1.42	2409	1913	1166	900

Zehnder Terraline



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 EN442
 Φ = Thermal output at system temperatures

Grille not shown

Dimensions in mm

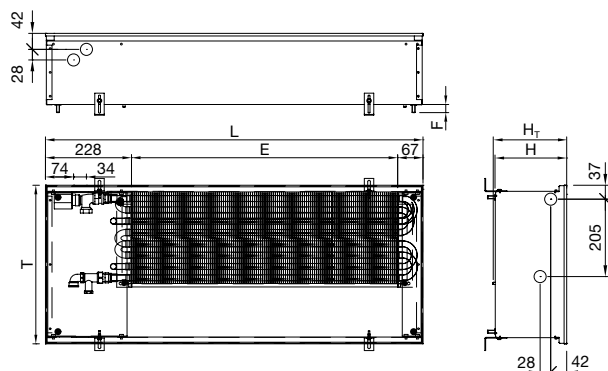
Valves and actuators are not included as standard

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 mm	L mm	E mm	T mm	V dm ³	M kg	q_{ms} kg/h	Exp, n	$\Phi_S =$ ΔT 50 K Watts	Φ 70/55/20 °C Watts	Φ 55/45/20 °C Watts	Φ 50/40/20 °C Watts
UN-19-34-800	190	800	505	340	1.5	10.3	36.7	1.47	427	336	201	154
UN-19-34-900	190	900	605	340	1.8	11.8	44.0	1.47	511	403	241	185
UN-19-34-1000	190	1000	705	340	2.1	13.2	51.2	1.47	596	469	281	215
UN-19-34-1100	190	1100	805	340	2.4	14.7	58.5	1.47	680	536	321	246
UN-19-34-1200	190	1200	905	340	2.7	16.2	65.8	1.47	765	602	361	276
UN-19-34-1300	190	1300	1005	340	3.0	17.7	73.0	1.47	849	669	401	307
UN-19-34-1400	190	1400	1105	340	3.3	19.2	80.3	1.47	934	736	441	337
UN-19-34-1500	190	1500	1205	340	3.6	20.7	87.6	1.47	1019	802	481	368
UN-19-34-1600	190	1600	1305	340	3.9	22.1	94.8	1.47	1103	869	521	398
UN-19-34-1700	190	1700	1405	340	4.2	23.6	102.1	1.47	1188	935	560	429
UN-19-34-1800	190	1800	1505	340	4.5	25.1	109.4	1.47	1272	1002	600	459
UN-19-34-1900	190	1900	1605	340	4.8	26.6	116.6	1.47	1357	1068	640	490
UN-19-34-2000	190	2000	1705	340	5.1	28.1	123.9	1.47	1441	1135	680	520
UN-19-34-2100	190	2100	1805	340	5.4	29.5	131.2	1.47	1526	1201	720	551
UN-19-34-2200	190	2200	1905	340	5.7	31.0	138.4	1.47	1610	1268	760	581
UN-19-34-2300	190	2300	2005	340	6.0	32.5	145.7	1.47	1695	1335	800	612
UN-19-34-2400	190	2400	2105	340	6.3	34.0	153.0	1.47	1779	1401	840	642
UN-19-34-2500	190	2500	2205	340	6.6	35.5	160.2	1.47	1864	1468	880	673
UN-19-34-2600	190	2600	2305	340	6.9	36.9	167.5	1.47	1948	1534	919	703
UN-19-34-2700	190	2700	2405	340	7.2	38.4	174.8	1.47	2033	1601	959	734
UN-19-34-2800	190	2800	2505	340	7.5	39.9	182.1	1.47	2117	1667	999	764
UN-19-34-2900	190	2900	2605	340	7.8	41.4	189.3	1.47	2202	1734	1039	795
UN-19-34-3000	190	3000	2705	340	8.0	42.9	196.6	1.47	2286	1801	1079	825
UN-19-34-3100	190	3100	2805	340	8.3	44.3	203.9	1.47	2371	1867	1119	856
UN-19-34-3200	190	3200	2905	340	8.6	45.8	211.1	1.47	2455	1934	1159	886
UN-19-34-3300	190	3300	3005	340	8.9	47.3	218.4	1.47	2540	2000	1199	917
UN-19-34-3400	190	3400	3105	340	9.2	48.8	225.7	1.47	2625	2067	1239	947
UN-19-34-3500	190	3500	3205	340	9.5	50.3	232.9	1.47	2709	2133	1278	978
UN-19-34-3600	190	3600	3305	340	9.8	51.8	240.2	1.47	2794	2200	1318	1008
UN-19-34-3700	190	3700	3405	340	10.1	53.2	247.5	1.47	2878	2266	1358	1039
UN-19-34-3800	190	3800	3505	340	10.4	54.7	254.7	1.47	2963	2333	1398	1069
UN-19-34-3900	190	3900	3605	340	10.7	56.2	262.0	1.47	3047	2400	1438	1100
UN-19-34-4000	190	4000	3705	340	11.0	57.7	269.3	1.47	3132	2466	1478	1130
UN-19-34-4100	190	4100	3805	340	11.3	59.2	276.5	1.47	3216	2533	1518	1161
UN-19-34-4200	190	4200	3905	340	11.6	60.6	283.8	1.47	3301	2599	1558	1191
UN-19-34-4300	190	4300	4005	340	11.9	62.1	291.1	1.47	3385	2666	1598	1222
UN-19-34-4400	190	4400	4105	340	12.2	63.6	298.3	1.47	3470	2732	1637	1253
UN-19-34-4500	190	4500	4205	340	12.5	65.1	305.6	1.47	3554	2799	1677	1283
UN-19-34-4600	190	4600	4305	340	12.8	66.6	312.9	1.47	3639	2866	1717	1314
UN-19-34-4700	190	4700	4405	340	13.1	68.0	320.1	1.47	3723	2932	1757	1344
UN-19-34-4800	190	4800	4505	340	13.4	69.5	327.4	1.47	3808	2999	1797	1375

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 EN442
 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.

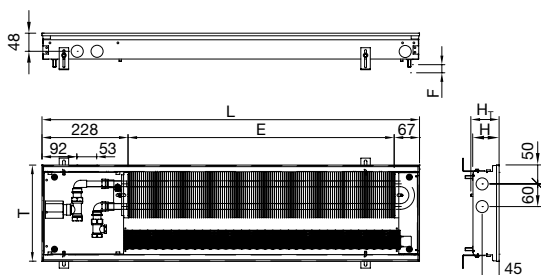
Technical data, output specifications for version with linear grille

Model	H	L	E	T	V	M	q_{ms}	Exp,	$\Phi_S =$ ΔT 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-19-42-800	190	800	505	420	1.5	11.5	51.3	1.46	597	471	283	217
UN-19-42-900	190	900	605	420	1.8	13.1	61.5	1.46	715	564	339	260
UN-19-42-1000	190	1000	705	420	2.1	14.8	71.7	1.46	833	657	395	303
UN-19-42-1100	190	1100	805	420	2.4	16.4	81.8	1.46	952	751	451	346
UN-19-42-1200	190	1200	905	420	2.7	18.1	92.0	1.46	1070	844	508	389
UN-19-42-1300	190	1300	1005	420	3.0	19.7	102.2	1.46	1188	937	564	432
UN-19-42-1400	190	1400	1105	420	3.3	21.3	112.3	1.46	1306	1030	620	475
UN-19-42-1500	190	1500	1205	420	3.6	23.0	122.5	1.46	1425	1124	676	518
UN-19-42-1600	190	1600	1305	420	3.9	24.6	132.6	1.46	1543	1217	732	561
UN-19-42-1700	190	1700	1405	420	4.2	26.3	142.8	1.46	1661	1310	788	604
UN-19-42-1800	190	1800	1505	420	4.5	27.9	153.0	1.46	1779	1403	844	647
UN-19-42-1900	190	1900	1605	420	4.8	29.5	163.1	1.46	1897	1497	900	690
UN-19-42-2000	190	2000	1705	420	5.1	31.2	173.3	1.46	2016	1590	956	733
UN-19-42-2100	190	2100	1805	420	5.4	32.8	183.5	1.46	2134	1683	1012	776
UN-19-42-2200	190	2200	1905	420	5.7	34.5	193.6	1.46	2252	1776	1068	819
UN-19-42-2300	190	2300	2005	420	6.0	36.1	203.8	1.46	2370	1870	1124	862
UN-19-42-2400	190	2400	2105	420	6.3	37.7	214.0	1.46	2489	1963	1180	905
UN-19-42-2500	190	2500	2205	420	6.6	39.4	224.1	1.46	2607	2056	1237	948
UN-19-42-2600	190	2600	2305	420	6.9	41.0	234.3	1.46	2725	2149	1293	991
UN-19-42-2700	190	2700	2405	420	7.2	42.7	244.5	1.46	2843	2243	1349	1033
UN-19-42-2800	190	2800	2505	420	7.5	44.3	254.6	1.46	2961	2336	1405	1076
UN-19-42-2900	190	2900	2605	420	7.8	45.9	264.8	1.46	3080	2429	1461	1119
UN-19-42-3000	190	3000	2705	420	8.0	47.6	275.0	1.46	3198	2522	1517	1162
UN-19-42-3100	190	3100	2805	420	8.3	49.2	285.1	1.46	3316	2616	1573	1205
UN-19-42-3200	190	3200	2905	420	8.6	50.9	295.3	1.46	3434	2709	1629	1248
UN-19-42-3300	190	3300	3005	420	8.9	52.5	305.4	1.46	3553	2802	1685	1291
UN-19-42-3400	190	3400	3105	420	9.2	54.1	315.6	1.46	3671	2895	1741	1334
UN-19-42-3500	190	3500	3205	420	9.5	55.8	325.8	1.46	3789	2989	1797	1377
UN-19-42-3600	190	3600	3305	420	9.8	57.4	335.9	1.46	3907	3082	1853	1420
UN-19-42-3700	190	3700	3405	420	10.1	59.1	346.1	1.46	4025	3175	1909	1463
UN-19-42-3800	190	3800	3505	420	10.4	60.7	356.3	1.46	4144	3268	1966	1506
UN-19-42-3900	190	3900	3605	420	10.7	62.3	366.4	1.46	4262	3362	2022	1549
UN-19-42-4000	190	4000	3705	420	11.0	64.0	376.6	1.46	4380	3455	2078	1592
UN-19-42-4100	190	4100	3805	420	11.3	65.6	386.8	1.46	4498	3548	2134	1635
UN-19-42-4200	190	4200	3905	420	11.6	67.3	396.9	1.46	4616	3641	2190	1678
UN-19-42-4300	190	4300	4005	420	11.9	68.9	407.1	1.46	4735	3735	2246	1721
UN-19-42-4400	190	4400	4105	420	12.2	70.5	417.3	1.46	4853	3828	2302	1764
UN-19-42-4500	190	4500	4205	420	12.5	72.2	427.4	1.46	4971	3921	2358	1807
UN-19-42-4600	190	4600	4305	420	12.8	73.8	437.6	1.46	5089	4014	2414	1850
UN-19-42-4700	190	4700	4405	420	13.1	75.5	447.8	1.46	5208	4108	2470	1893
UN-19-42-4800	190	4800	4505	420	13.4	77.1	457.9	1.46	5326	4201	2526	1936

Zehnder Terraline Neo



Model UFT-07-25 – 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

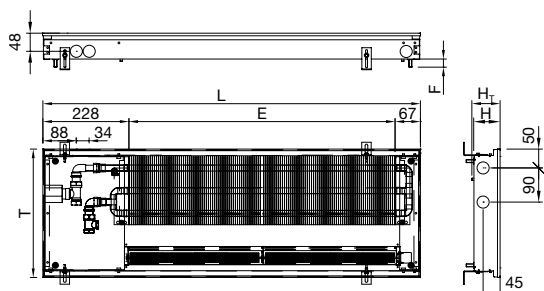
Note: Without frame (on request) consider frame overhang reduction of 2 mm in height and 4 mm each in length and depth.

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	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. 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
 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.

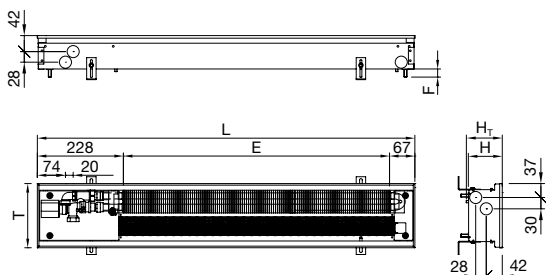
Technical data, output specifications for version with low transverse grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-07-34-800	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

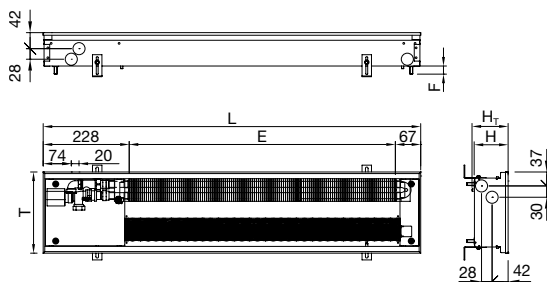
Grille not shown
 Valves and actuators are not included as standard

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	0	1	2	3
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts			
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. 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
 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.

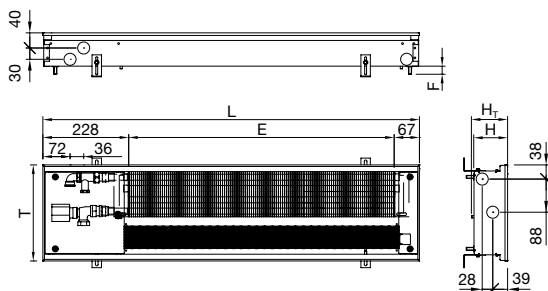
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-09-21-800	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

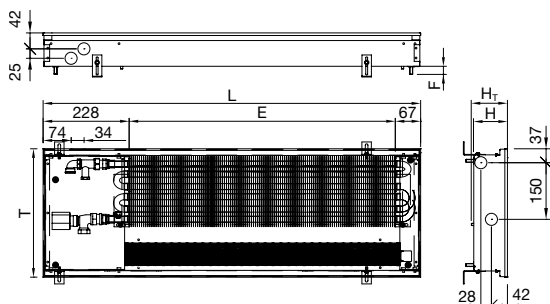
Grille not shown
 Valves and actuators are not included as standard

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	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

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
 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

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

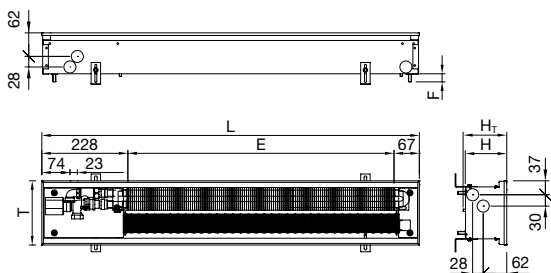
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-09-34-800	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

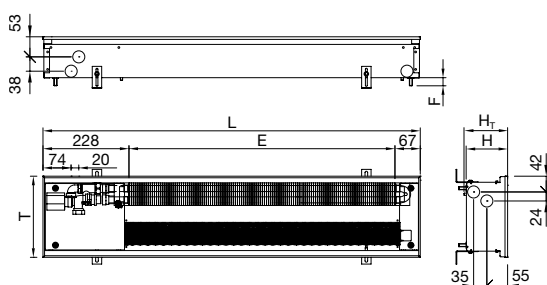
Grille not shown
 Valves and actuators are not included as standard

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	0	1	2	3
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts			
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. 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
 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.

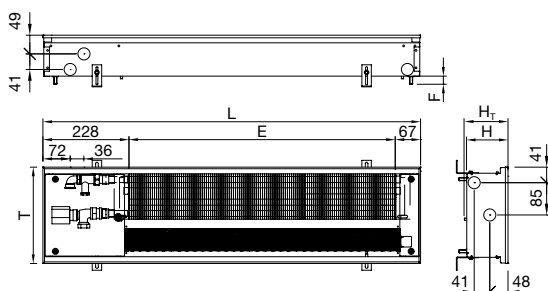
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-11-21-800	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

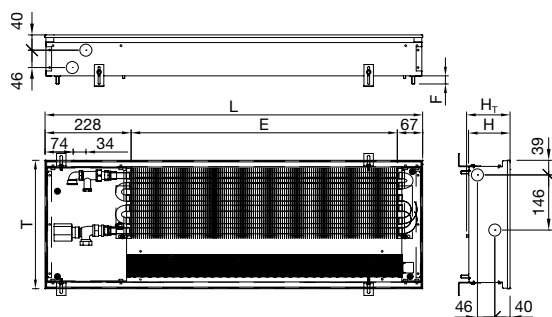
Valves and actuators are not included as standard

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	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. 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
 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.

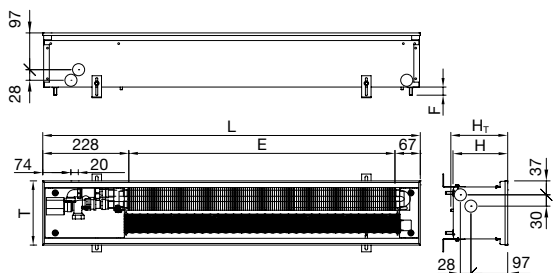
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-11-34-800	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	4.00	48.3	617.8	1.0879	961	5060	7185	8738	581	2903	4122	5013
UFT-11-34-4100	110	4100	3805	3500	340	4.10	49.7	636.0	1.0879	990	5209	7397	8995	598	2988	4243	5160
UFT-11-34-4200	110	4200	3905	3600	340	4.20	50.9	654.1	1.0879	1018	5358	7608	9252	615	3074	4364	5307
UFT-11-34-4300	110	4300	4005	3600	340	4.30	52.1	654.1	1.0879	1018	5358	7608	9252	615	3074	4364	5307
UFT-11-34-4400	110	4400	4105	3800	340	4.40	53.4	690.5	1.0879	1075	5656	8031	9766	649	3245	4607	5602
UFT-11-34-4500	110	4500	4205	3900	340	4.50	54.6	708.7	1.0879	1103	5805	8242	10023	666	3330	4728	5750
UFT-11-34-4600	110	4600	4305	4000	340	4.60	55.8	726.8	1.0879	1131	5953	8453	10280	683	3415	4849	5897
UFT-11-34-4700	110	4700	4405	4100	340	4.70	57.0	745.0	1.0879	1159	6102	8665	10537	700	3500	4971	6045
UFT-11-34-4800	110	4800	4505	4100	340	4.80	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

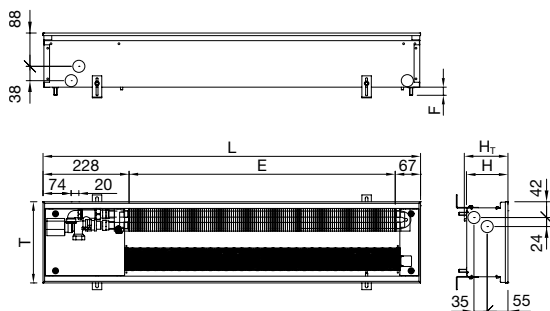
Grille not shown
 Valves and actuators are not included as standard

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	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. 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
 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.

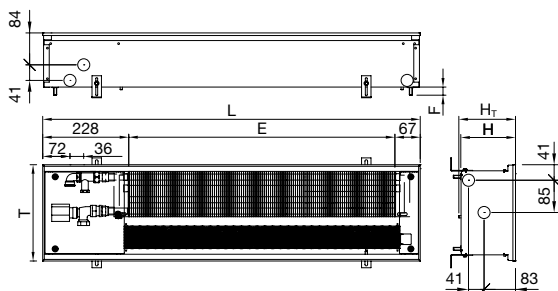
Technical data, output specifications for version with linear grille

Model	H	L	E	LI	T	V	M	q_{ms}	Exp,	Fan speed							
										0	1	2	3	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-14-21-800	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. 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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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

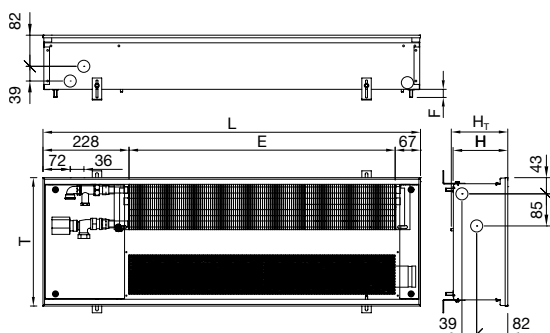
Valves and actuators are not included as standard

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	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

Zehnder Terraline Neo

Model UFT-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
 LI = Total length of fans
 F = Adjusting screw for height adjustment
 Adjustment range 0 – 35 mm
 V = Water content
 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	0	1	2	3
										$\Phi_S = \Delta T 50$ K Watts				$\Phi = \Delta T 30$ K (55/45/20 °C) Watts			
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
UFT-14-34-4000	145	4000	3705	3400	340	3.70	50.5	804.9	1.0376	958	6386	9361	11824	752	3759	5510	6959
UFT-14-34-4100	145	4100	3805	3500	340	3.80	51.8	828.6	1.0376	986	6574	9637	12171	774	3869	5672	7164
UFT-14-34-4200	145	4200	3905	3600	340	3.90	53.0	852.2	1.0376	1014	6762	9912	12519	796	3980	5834	7369
UFT-14-34-4300	145	4300	4005	3600	340	4.00	54.3	852.2	1.0376	1014	6762	9912	12519	796	3980	5834	7369
UFT-14-34-4400	145	4400	4105	3800	340	4.10	55.6	899.6	1.0376	1071	7138	10463	13215	840	4201	6158	7778
UFT-14-34-4500	145	4500	4205	3900	340	4.20	56.8	923.3	1.0376	1099	7326	10738	13562	862	4312	6320	7982
UFT-14-34-4600	145	4600	4305	4000	340	4.30	58.1	946.9	1.0376	1127	7513	11013	13910	884	4422	6482	8187
UFT-14-34-4700	145	4700	4405	4100	340	4.40	59.3	970.6	1.0376	1155	7701	11289	14258	907	4533	6645	8392
UFT-14-34-4800	145	4800	4505	4100	340	4.50	60.6	970.6	1.0376	1155	7701	11289	14258	907	4533	6645	8392

Zehnder Terraline, Terraline Neo



Mounting parts / standard equipment	
Zehnder Terraline comes with the following items as standard: ① Adjusting screws for height adjustment ② L-brackets including screws for dual-sided fixing of the casing Length 800 mm to 2000 mm = 4 L-brackets (2 pc on each side) Length 2100 mm to 4000 mm = 6 L-brackets (3 pc on each side) Length 4100 mm to 4800 mm = 8 L-brackets (4 pc on each side)	
Installation notes	
■ 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.	
■ Install the L-bracket to the casing and the sub floor. Screws for sub floor installation on site. ■ Remove the pre-punched holes for pipework and install the supplied grommets.	
■ 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	
■ 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	
■ 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.	

Zehnder Terraline Neo

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

The entire circuit operates at a safe voltage of 24 VDC, which is provided by a power supply 24 VDC (PSP-24 VDC-). The power supply has to be sized according to the number of installed trench heaters 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

Zehner 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 24 VDC. 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 24 V 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 0–10 VDC 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.

Acoustic

When planning trench heaters with fan for residential rooms, it is necessary to take into account the acoustic characteristics of the trench heater and the environment in which it will be used. It is necessary to design a convector 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 24 VDC. 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 22 VDC in any individual device.

Electric connection of trench heaters with fans

The trench heaters and their components are powered with a safe voltage of 24 VDC.

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 24 VDC.

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-24 VDC). The voltage in the circuit may not at any point drop below the value of 22 VDC.

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-24 VDC).
4. Define the position for the installation of the power supply at voltage of 24 VDC. 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 VDC, determine the capacity of the power supply. Consider a power output reserve of 5% (see page 72).
9. If the voltage along the network lines drops below 22 VDC, size a large cross section of conductors or preview a bigger power supply in the installation (see page 74).
10. When installing more than 10 actuators it is necessary to incorporate a switching relay RLA-24 VDC in the circuit, (see page 73).

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

It can be downloaded from www.zehnder-systems.com under Zehnder Terraline trench heater.

Zehnder Terraline Neo



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 DIP switch 1 on the back side of the thermostat to position ON. The other DIP switches will remain in the OFF position. With this a 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 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).

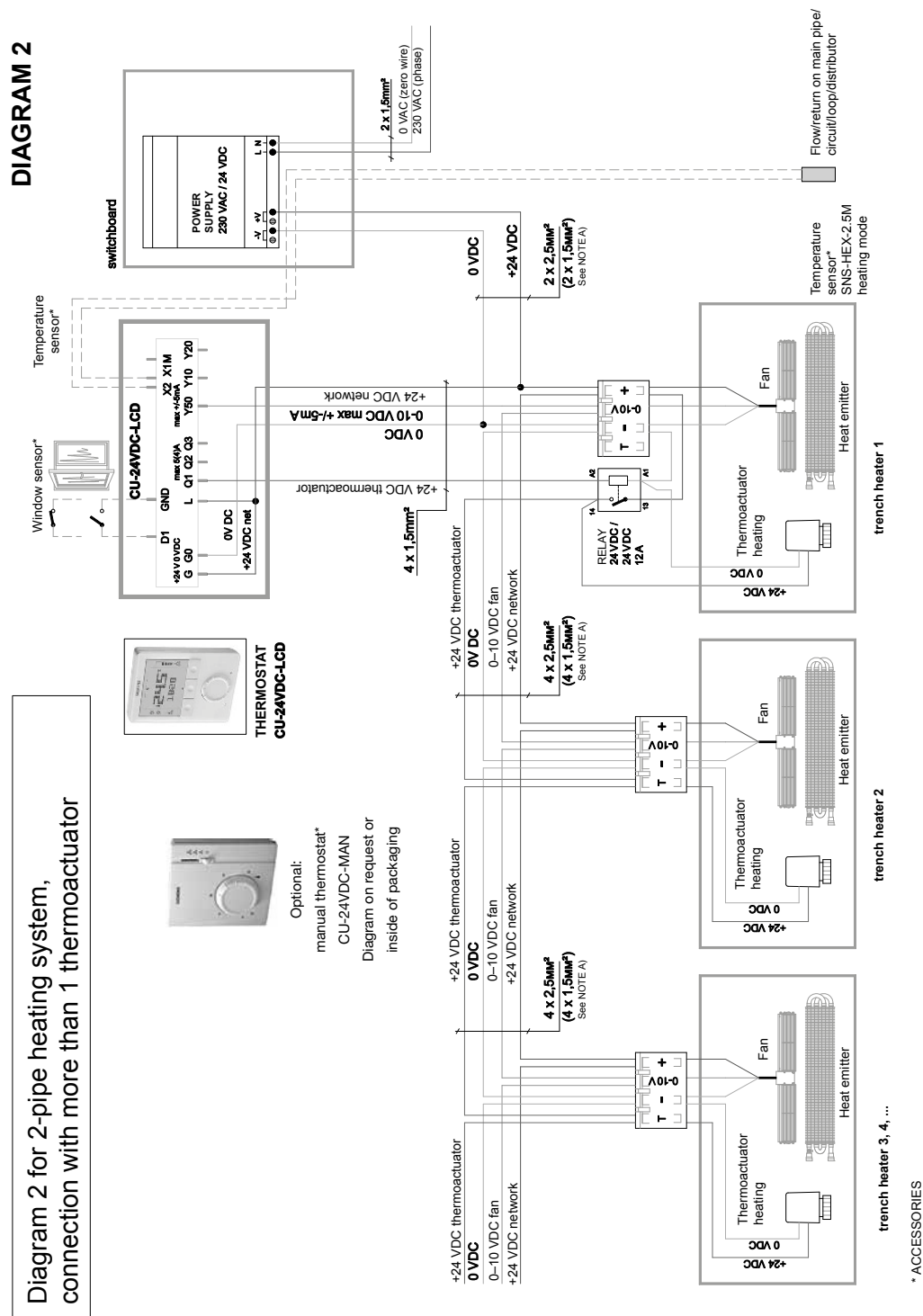
Safety note:

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.



Zehnder Terraline Neo

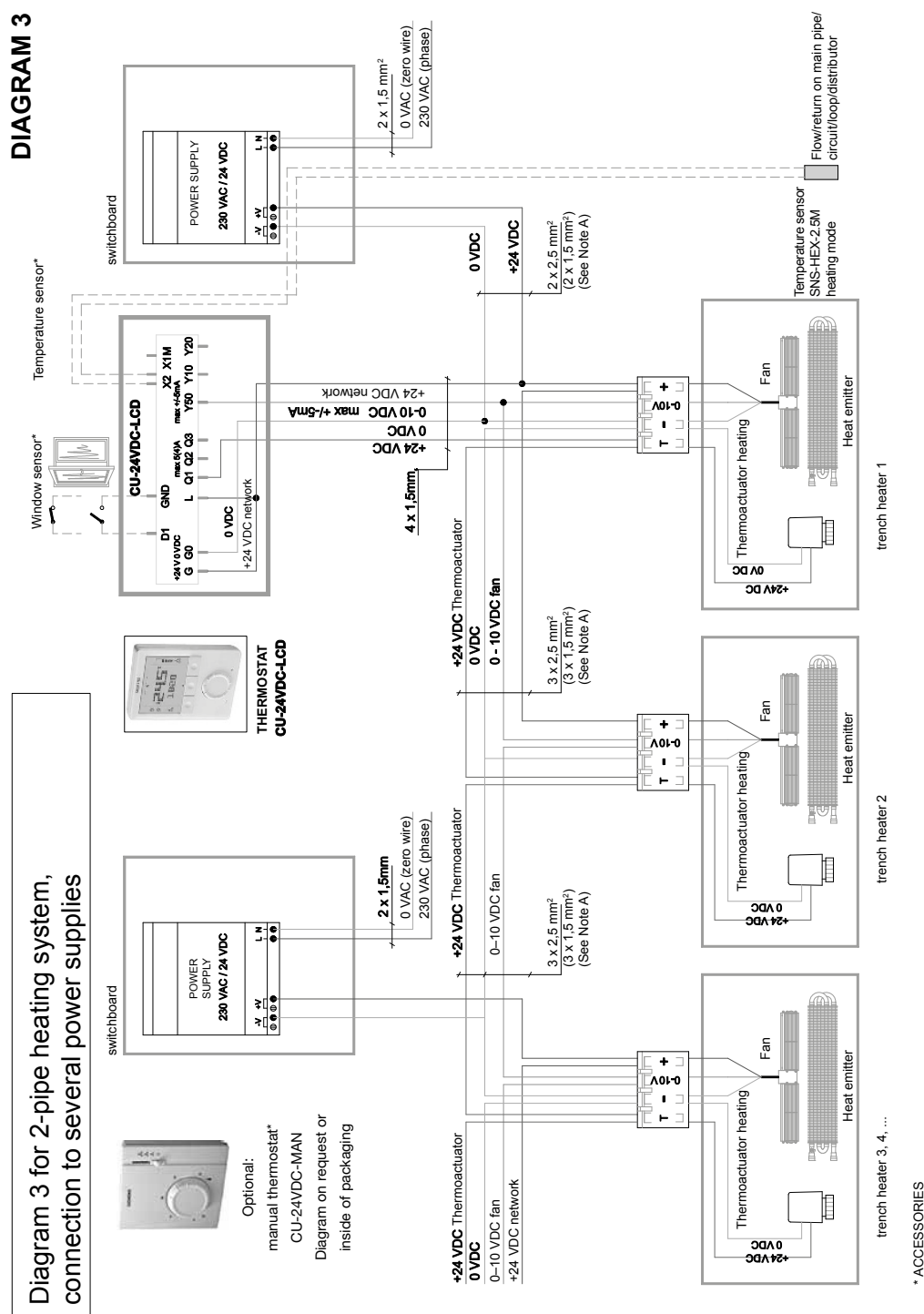
Diagram 2 for 2-pipe heating system, connection with more than 10 actuators

**Note:**

- A) The voltage must not fall below 22 VDC. 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.
- 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.

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

**Note:**

- A) The voltage must not fall below 22 VDC. 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.
- B) In case of more than 10 actuators 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.

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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% is to be provided.

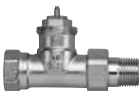
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Acoustic																	
Model																	
	UFT 07 - 34 UFT 07 - 25 UFT 09 - 17 UFT 11 - 17 UFT 14 - 17			UFT 09 - 21 UFT 11 - 21 UFT 14 - 21 UFT 09 - 25 UFT 11 - 25 UFT 14 - 25 UFT 09 - 34 UFT 11 - 34			UFT 14 - 34										
	Fan Ø 30 mm			Fan Ø 40 mm			Fan Ø 60 mm										
Length UFT	Sound power ¹⁾ dB(A)																
	Fan speed			Fan speed			Fan speed										
mm	1	2	3	1	2	3	1	2	3								
800	36	36	37	35	34	40	35	35	42								
900						41				43							
1000																	
1100						42					36	36	44				
1200																	
1300																	
1400																	
1500	37	37	38	36	35	42	36	36	44								
1600																	
1700																	
1800																	
1900	38	38	39	37	36	43	37	37	45								
2000																	
2100																	
2200																	
2300	39	39	40	38	37	44	38	38	46								
2400																	
2500						45				40	40	41	39	38	39	39	47
2600																	
2700																	
2800																	
2900	40	40	41	39	38	46	39	39	47								
3000																	
3100																	
3200																	
3300	41	41	42	40	39	47	40	40	48								
3400																	
3500																	
3600																	
3700	42	42	43	41	40	47	41	41	49								
3800																	
3900																	
4000																	
4100	43	43	44	42	41	48	42	42	50								
4200																	
4300																	
4400																	
4500	44	44	45	43	42	48	43	43	41								
4600																	
4700																	
4800																	

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	Design	Article no.	Application
Valve unit series AV9 Angled version ½", with pre-setting 1-9, valve unit and stuffing box under system pressure, replaceable without draining the system. Valve body nickel-plated; Thermostat threaded connection M30 x 1.5 mm; Max. operating temperature 120 °C; operating pressure max. 10 bar		Nickel-plated	835100	For ½" female thread
Valve unit series AV9 Straight version ½", with pre-setting 1-9, valve unit and stuffing box under system pressure, replaceable without draining the system. Valve body nickel-plated; Thermostat threaded connection M30 x 1.5 mm; Max. operating temperature 120 °C; operating pressure max. 10 bar		Nickel-plated	853100	For ½" female thread
Axial valve unit Axial version ½", with O-ring seal, thermostat threaded connection M30 x 1.5 mm; Max. operating temperature 120 °C; operating pressure max. 10 bar		Nickel-plated	835030	For ½" female thread
Lockshield valve Combi 3 Angled version with ½" external thread, with fine presetting, possibility to shut off, fill and drain without changing the presetting. Valve unit nickel-plated. Operating temperature max. 120 °C, operating pressure max. 10 bar		Nickel-plated	838000	For ½" female thread
Lockshield valve Combi 3 Straight version with ½" external thread, with fine pre-setting, possibility to shut off, fill and drain without changing the pre-setting. Valve unit nickel-plated. Operating temperature max. 120 °C, operating pressure max. 10 bar		Nickel-plated	858000	For ½" female thread
Rubber seal Edge protection of tube breakthrough in floor duct; set of 2, included at order of trench heater		Black	106040	For edge protection

Valves, actuators and general accessories

Description	Accessories	Design	Article no.	Application
Manual room thermostat CU-24VDC-MAN Normally one room thermostat per room/zone is needed. ■ Max. connection: 4 units of actuators ACT-24 VDC, if more use switching relay RLA-24VDC ■ For controlling of convectors with EC fans 24 VDC 0 ... 10 V and actuators 24 VDC, max. ± 5 mA ■ Manual switching of fans (3-speed) ■ Two-position control of valve actuator DC 24 V, OFF at fan speed 0 ■ Nominal voltage SELV 24 VDC $\pm 10\%$ ■ 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 Optional accessories • Temperature sensor SNSHEX- 2.5M for heat emitter • Switching relay RLA-24 VDC in case of more than 4 actuators		white RAL9003	895190	Control UFT models
Digital room thermostat CU-24 V DC-LCD Normally one room thermostat per room/zone is needed. ■ Max. connection: 10 units of actuators ACT-24 VDC, if more use switching relay RLA-24 V DC ■ For controlling of trench heaters with fans 24 VDC EC 0 ... 10 VDC EG, max. ± 5 mA and EC actuators 24 VDC ■ 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 24 VDC, Degree of protection IP30 ■ Ambient temperature 0–50 °C, Relative humidity < 95% ■ Dimensions: HxWxD 128x93x31 mm 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. Optional accessories ■ 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 RAL9003 White RAL9003	895110 917400	Control UFT models Standard version KNX version

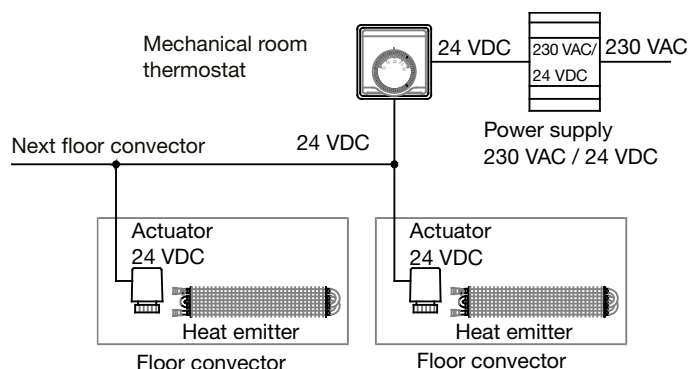
Room thermostats

Description	Accessories	design	Article no.	Application
Digital room thermostat CU-230 V-LCD Normally one room thermostat per room/zone is needed. Room thermostat for controlling the room temperature of floor convectors with natural convection in combination with 24 V actuator heads. ■ 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 Optional accessories ■ 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
Mechanical room thermostat CU-230 V-MAN Normally one room thermostat per room/zone is needed. 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. Direct control without power supply for the actuator head with a voltage of 230 VAC. Function open/closed. ■ Operating voltage: 24 VDC or 230 VAC ■ Max. connections to the actuators: - 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
Remote control 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 Temperature range: 9 to 26 °C Frost protection temperature 9 °C Mode: proportional control Operating temperature: no additional energy Dimensions: 75 × 75 mm, sensor ø 50 × 68 mm		White RAL9016	895520	Control unit UN models

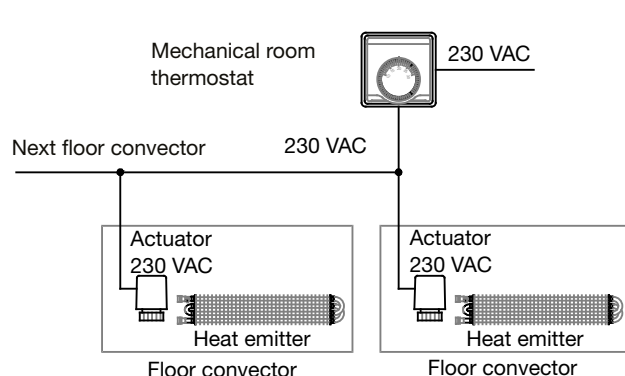
Actuators and power supplies

Description	Accessories	design	Article no.	Application
24 VDC actuator head ACT-24VDC-3M cable length 3 m ACT-24VDC-5M cable length 5 m Open/close function (without voltage closed), input voltage: 24 VDC, power consumption: at switch-on 6 VA, input at operation: 2.5 W, opening/closing time: 270 s, IP54 cover of the casing, adapter to valve: M30×1.5 mm, total height at max. lift : 74 mm 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)		Black RAL9005	917180 917190	Control UFT models and UN models with additional power supply
230 VDC actuator head ACT-230V-3M cable length 3 m Open/close function (without voltage closed), input voltage: 24 VDC, power consumption: at switch-on 6 VA, input at operation: 2.5 W, opening/closing time: 270 s, IP54 cover of the casing, adapter to valve: M30×1.5 mm, total height at max. lift : 74 mm 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)		Black RAL9005	917110	Control unit UN models

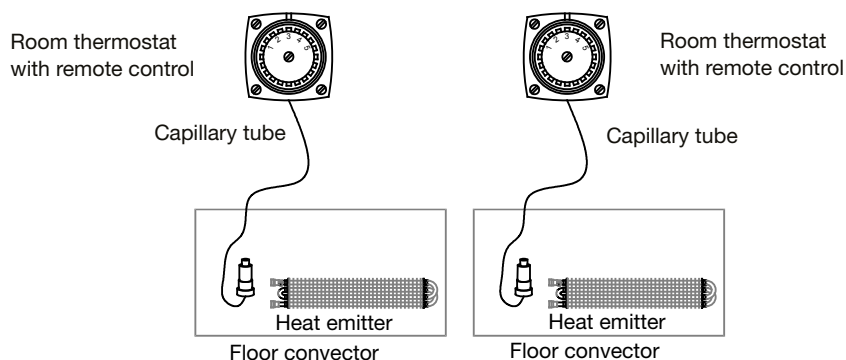
Room thermostat for connection of UN models with 24 VDC actuators



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.	Application
Relays 24 V RLA-24VDC On the thermostat CU-24 VDC-LCD 10 actuators can be connected. If the number of installed actuators is higher use relays RLA-24 VDC according to the electric scheme 2. Voltage in winding 24 VDC, IP 20 max. switching current 12 A, without voltage closed, Max. operating temperature -10 to 60 °C, LxHxD: 37x39x20 mm		White	895180	Control UFT models
Power supply PSP-24VDC Converts mains voltage of 230 VAC to safe voltage of 24 VDC, power supply ready for installation on DIN rail, IP 20. 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. 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. On request power supply IP67 integrated in casing. See page 23.				
Power supply PSP-24VDC-60W Output: 24V / 2.5A / 60W L x H x D:: 78 x 93 x 56 mm			895130	Control UFT models
Power supply PSP-24VDC-100W Output: 24V / 4.5A / 100 W L x H x D:: 100 x 93 x 56 mm			895140	Control UFT models
Power supply PSP-24VDC-240W Output: 24V / 10A / 240 W L x H x D:: 125.2 x 100 x 125.5 mm			895150	Control UFT models
Power supply PSP-24VDC-480W Output: 24V / 20A / 480 W L x H x D:: 227 x 125 x 100 mm			895160	Control UFT models

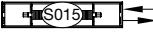
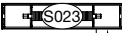
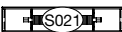
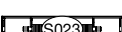
Valves, actuators and general accessories

Description	Accessories	Design	Article no.	Application																														
Floor bracket ■ 60 to 300 mm shortable on site ■ at order together with trench heater holes and press nuts are made on casing from works Quantities of floor brackets for walkable stability: <table><tr><th>Length of trench convector [mm]</th><th>Quantity of floor brackets [pcs]</th></tr><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></table>	Length of trench convector [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	For sub floor installation and intermediate floors										
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Setting foot ■ adjustable from 10 to 70 mm with M8 screw ■ base plate 73 x 40 mm ■ at order together with trench heater holes and press nuts are made on casing from works Setting foot bold ■ adjustable from 10 to 70 mm with M8 screw ■ at order together with trench heater holes and press nuts are made on casing from works Quantities of setting feet and setting bolts for walkable stability: <table><tr><th>Length of trench convector [mm]</th><th>Quantity of setting feet [pcs]</th><th>Quantity of setting bolts [pcs]</th></tr><tr><td>700 to 900</td><td>2</td><td>4</td></tr><tr><td>901 to 1400</td><td>4</td><td>6</td></tr><tr><td>1401 to 1900</td><td>4</td><td>8</td></tr><tr><td>1901 to 2400</td><td>4</td><td>10</td></tr><tr><td>2401 to 2900</td><td>4</td><td>12</td></tr><tr><td>2901 to 3400</td><td>6</td><td>14</td></tr><tr><td>3401 to 3900</td><td>6</td><td>16</td></tr><tr><td>3901 to 4400</td><td>6</td><td>18</td></tr><tr><td>4401 to 4800</td><td>6</td><td>20</td></tr></table>	Length of trench convector [mm]	Quantity of setting feet [pcs]	Quantity of setting bolts [pcs]	700 to 900	2	4	901 to 1400	4	6	1401 to 1900	4	8	1901 to 2400	4	10	2401 to 2900	4	12	2901 to 3400	6	14	3401 to 3900	6	16	3901 to 4400	6	18	4401 to 4800	6	20	 	Galvanised Galvanised	106720 106710	For sub floor installation and intermediate floors
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Mounting foot L-brackets for fixing in raised floor, size of L-bracket 35 x 55 mm, screws M8 x 25 mm and M8 nuts, adjusting screws for height adjustment M10 x 50 mm; set of 4, included in scope of delivery when ordering the trench heater		Galvanised	106020	Spare parts for UN and UFT models																														

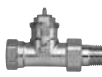
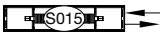
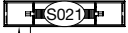
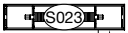
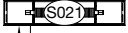
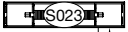
Valves, actuators and general accessories

Description	Accessories	Design	Article no.	Application
Box for power supply COB-234 Cover with screws, for instances 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-24 VDC -100W, for installation on DIN rail, under plaster mounting, LxHxT: 234×176×79 mm		White	895170	Control UFT models
Temperature sensor SNS-HEX-2.5M Monitors temperature of flow. When the 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. 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. The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.		Black	917370	Control UFT models
Room temperature sensor RSNS-NTC Measures room temperature on a different room than the place where the thermostat CU-24VDC-LCD is installed. Connection to thermostat CU-24 VDC-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: 97×100×36mm. The cable length for sensors at the inputs X1, X2 and D1 is max. 80 m.		White RAL9003	917380	Control UFT models
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. Selection of operating mode: Comfort, Auto Timer or protection, adjustment of room temperature set point in Comfort mode. Selection of fan mode: automatic or manual fan speed, operating distance (infrared transceiver), effective range ≤ 7.5 m, orientation angle ≤ ± 30°		White	895120	Control UFT models

Valve Compatibility Table - UN Models

Model	Individual Convector	Article no.						
			853100	858000	835030	835100	838000	917110
	Same end connection							
All UN models	Same side, at front on left 	Standard	✓	✓				✓
	Same side, on right 							
UN-09-17 UN-11-21 UN-14-21 UN-19-21	Same side, room side left 	Standard		✓	✓			✓
	Same side, room side right 							
UN-09-21, -25, -34, -42 UN-11-21, -25, -34, -42 UN-14-21, -25, -34, -42 UN-19-21, -25, -34, -42	Same side, room side left 	Standard	✓	✓				✓
	Same side, room side right 							
All UN models	Same side, window side left 	Standard				✓	✓	✓
	Same side, window side right 							

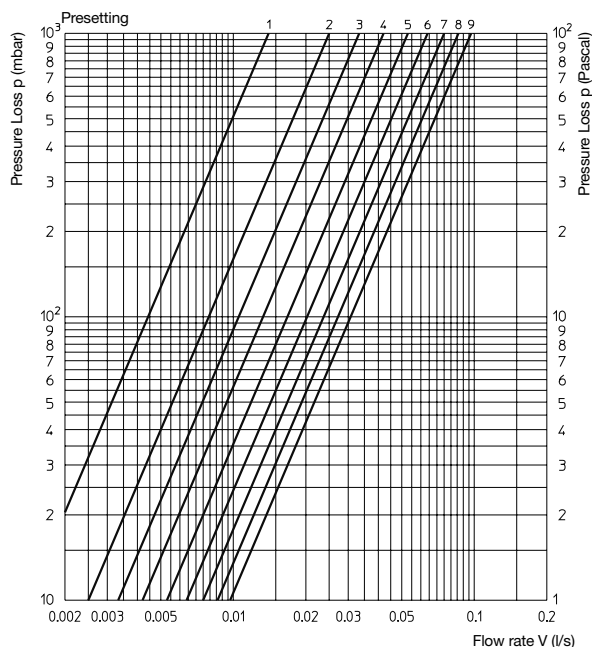
Valve Compatibility Table - UFT Models

Model	Individual Convector	Article no.						
			853100	858000	835030	835100	838000	917180 917190
	Same end connection							
All UFT models	Same side, at front on left 	Standard	✓	✓				✓
	Same side, on right 							
UFT-09-17 UFT-11-21 UFT-14-21 UFT-19-21	Same side, room side left 	Standard		✓	✓			✓
	Same side, room side right 							
UFT-09-21, - 25, -34 UFT-11-21, - 25, -34 UFT-14-21, - 25, -34 UFT-19-21, - 25, -34	Same side, room side left 	Standard	✓	✓				✓
	Same side, room side right 							
All UFT models	Same side, window side left 	Standard				✓	✓	✓
	Same side, window side right 							

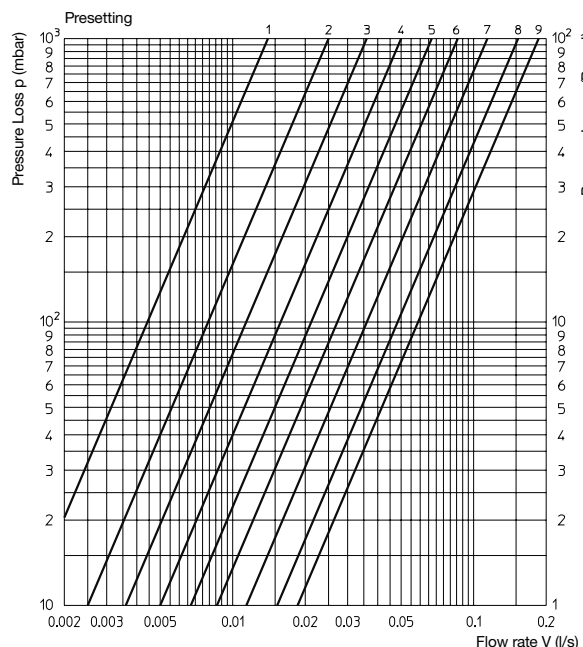
Pressure loss diagram valves

Thermostatic valve (presetting Oventrop) AV9

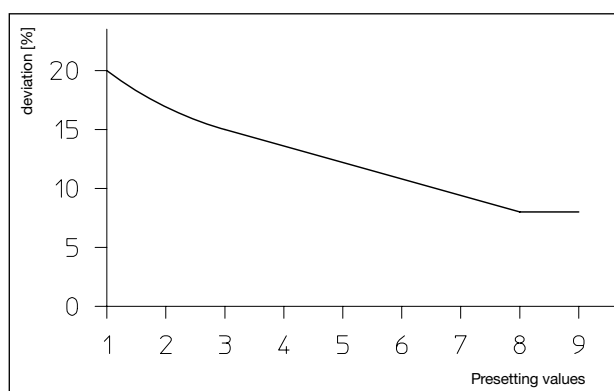
All patterns and sizes at 1 K P-deviation



All patterns and sizes at 2 K P-deviation



Presetting	1	2	3	4	5	6	7	8	9
k_v value - deviation 1K	0.05	0.09	0.12	0.15	0.19	0.23	0.27	0.31	0.35
k_v value - deviation 1.5K	0.05	0.09	0.13	0.17	0.22	0.28	0.36	0.45	0.51
k_v value - deviation 2K	0.05	0.09	0.13	0.18	0.24	0.31	0.41	0.55	0.67

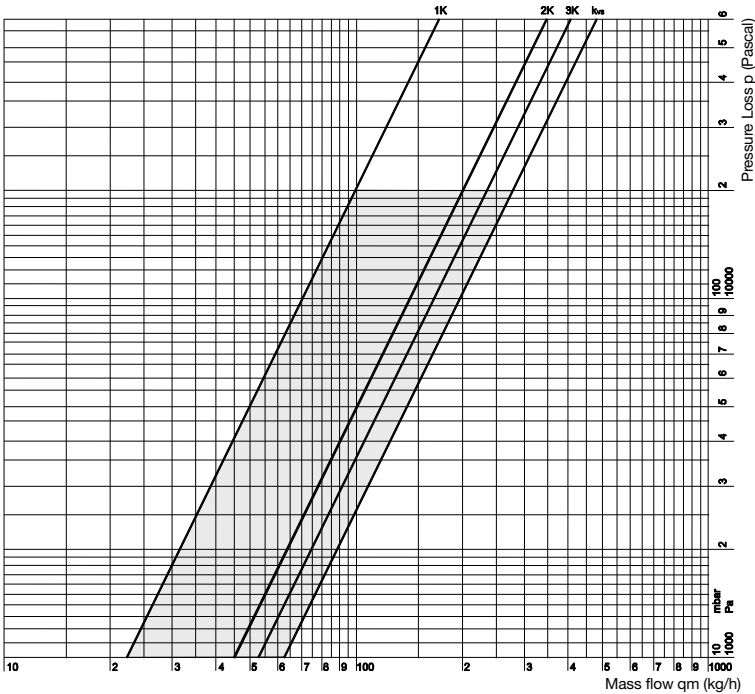


Flow tolerances depending on the presetting:
According to DIN EN 215 at 2 K P-deviation

Pressure loss diagram valves



Thermostatic valve axial version (Honeywell MNG)



Zehnder Terraline tender specification

Tender specification

Model UN:

Zehnder Terraline trench heater, version for natural convection.

Casing made from galvanised flat steel, with screws for adjusting level.

Heat emitter made from copper tubes with robust aluminium fins.

Tray and heating element, powder coated (RAL 9005 jet black).

Same-end connections 1/2", incl. vent.

Elegant edge profile made from anodised aluminium with pre-fixed impact-noise insulation.

Robust walk-on linear grille, made from natural anodised aluminium profiles.

Delivered with cover plate for protection during installation.

Casing tray with internal M8 x 50 mm adjusting screws for simple alignment of the trench heater and L-shaped mounting brackets for sub floor installation.

Standard version with fitted designer frame with integrated fixing and inserted linear grille made from natural anodised aluminium; grille dimensions 18 x 5 mm, profile spacing 12 mm, individual profile bars connected with aluminium cross bars in matching colour, open cross section approx. 70%; trench heater packed ready to connect in stretch foil and rugged carton packing all round.

Thermal output according to EN442.

Example: Model: UN-09-25 784 W 2,200 mm @ ΔT 50 K height, incl. frame will be one of four options: 90, 110, 145 or 190 mm

Length, incl. frame: will be in increments of 100 mm, from a minimum size of 800 mm up to a maximum of 4,000 mm. Non-standard lengths are available on request, at an additional charge.

Depth, incl. frame will be one of four options: 170, 215, 255, 340 or 420 mm.

Special solutions, including connected, angled or curved variants are available on request, at an additional charge.

Suitable for an operating temperature up to a max. of 110 °C and operating pressure up to a max. of 10 bar.

Grilles

Roll-up transverse grille made from aluminium profiles with colour-matched spacers on spring steel, finished in either black, bronze or stainless steel anodised aluminium.

Transverse grille made from wooden profiles with colour-matched spacers on spring steel, finished in:

Natural beech wood, natural anodised aluminium frame, beige spacers

Etched beech wood, bronze anodised aluminium frame, black spacers

Natural oak wood, natural anodised aluminium frame, beige spacers

Etched oak wood, bronze anodised aluminium frame, black spacers or

a transverse grille finished in stainless steel or natural anodised frame is available at an additional cost

Linear grille made from aluminium profiles with colour-matched spacers on spring steel, finished in black, bronze or stainless steel anodised aluminium.

Transverse grille made from aluminium profiles on black plastic bars, finished in black, bronze or stainless steel anodised aluminium.

High heel proof grille is available on request.

Flange to ventilation tube.

Zehnder ComfoTube 75, 90 or Flat 51 is available at an additional cost.

Zehnder Terraline Neo tender specification

Tender specification

Model UFT:

Zehnder Terraline Neo trench heater, version for forced convection with 24 V EC cross-flow fan and protective cover.

Tray made from galvanised flat steel, with screws for adjusting level.

Heat emitter made from copper tubes with robust aluminium fins.

Tray and heating element, powder coated (RAL 9005 jet black).

Same-end connections 1/2", incl. vent.

Elegant edge profile made from anodised aluminium with pre-fixed impact-noise insulation.

Robust walk-on low transverse grille, made from natural anodised aluminium profiles.

Delivered with cover plate for protection during installation.

Control via room thermostat with manual fan speeds (3 levels) or automatic fan speeds (continuous).

Thermal output tested to EN 16430.

Casing with internal M8 x 50 mm adjusting screws for simple alignment of the trench heater and L-shaped mounting brackets for sub floor installation.

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.

Example: Model: UFT-07-25 1621 W 2,200 mm @ ΔT 50 K Fan Speed 2

The height will be 70 mm.

Length, incl. frame: will be in increments of 100 mm, from a minimum size of 800 mm up to a maximum of 4,800 mm. Non-standard lengths are available on request, at an additional charge.

Depth, incl. frame will be one of two options: 255 or 340 mm.

Special solutions, including connected or angled at a 90° variant is available on request, at an additional charge.

Suitable for an operating temperature up to a max. of 110 °C and operating pressure up to a max. of 10 bar.

Grilles

Roll-up transverse grille made from aluminium profiles with colour-matched spacers on spring steel, finished in either black, bronze or stainless steel anodised aluminium.

Transverse grille made from wooden profiles with colour-matched spacers on spring steel, finished in:

Natural beech wood, natural anodised aluminium frame, beige spacers

Etched beech wood, bronze anodised aluminium frame, black spacers

Natural oak wood, natural anodised aluminium frame, beige spacers

Etched oak wood, bronze anodised aluminium frame, black spacers or

a transverse grille finished in stainless steel or natural anodised frame is available at an additional cost

Linear grille made from aluminium profiles with colour-matched spacers on spring steel, finished in black, bronze or stainless steel anodised aluminium.

Roll-up transverse grille made from aluminium profiles on black plastic bars, finished in black, bronze or stainless steel anodised aluminium.

High heel proof grille is available on request.

Flange to ventilation tube.

Zehnder ComfoTube 75, 90 or Flat 51 is available at an additional cost.

Zehnder Terraline Neo tender specification

Tender specification

Model UFT:

Zehnder Terraline Neo trench heater, version for fan-assisted convection with 24 V EC cross-flow fan and protective cover.

Tray made from galvanised flat steel, with screws for adjusting level.

Heat emitter made from copper tubes with robust aluminium fins.

Tray and heating element, powder coated (RAL 9005 jet black).

Same-end connections 1/2", incl. vent.

Elegant edge profile made from anodised aluminium with pre-fixed impact-noise insulation.

Robust walk-on low transverse grille, made from natural anodised aluminium profiles.

Delivered with cover plate for protection during installation.

Control via room thermostat with manual fan speeds (3 levels) or automatic fan speeds (continuous).

Thermal output tested to EN 16430.

Casing with internal M8 x 50 mm adjusting screws for simple alignment of the trench heater and L-shaped mounting brackets for sub floor installation.

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.

Thermal output according to EN442.

Example: Model: UFT-07-25 1621 W 2,200 mm @ ΔT 50 K Fan Speed 2

The height will be 70 mm.

Length, incl. frame: will be in increments of 100 mm, from a minimum size of 800 mm up to a maximum of 4,800 mm. Non-standard lengths are available on request, at an additional charge.

Depth, incl. frame will be one of two options: 255 or 340 mm.

Special solutions, including connected or angled at a 90° variant is available on request, at an additional charge.

Suitable for an operating temperature up to a max. of 110 °C and operating pressure up to a max. of 10 bar.

Grilles

Rigid low transverse grille made from aluminium profiles on black plastic bars, finished in black or bronze anodised aluminium.

High heel proof grille is available on request.

Z-UK-V0718-RAD-TEC-Terraline Neo, en, subject to change without notice