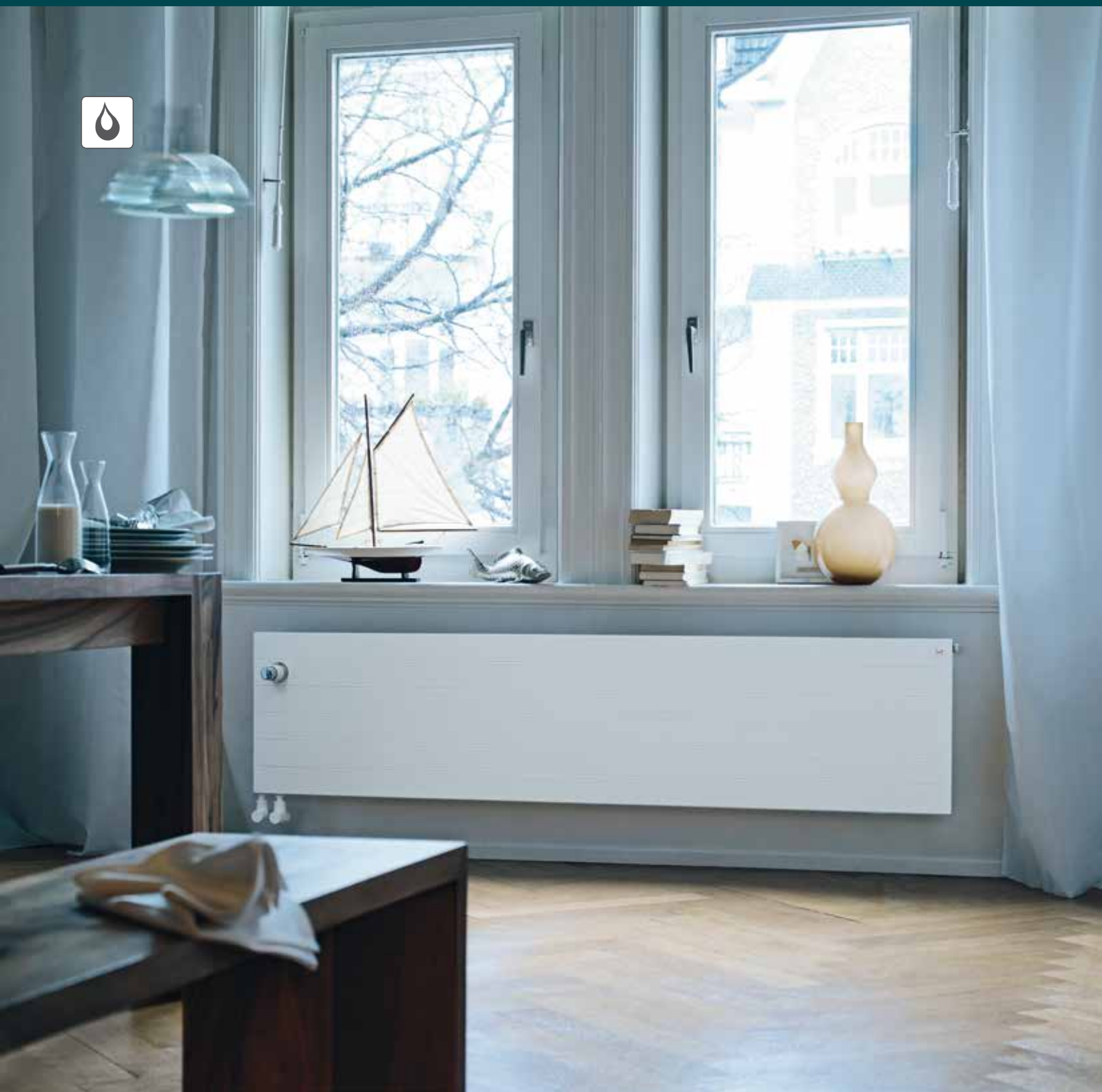
zehnder

Zehnder Radiapanel

Prices and Technology 2023 - Sales International

always the best climate



ALWAYS THE BEST CLIMATE

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

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

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

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

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

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

OUR BRAND REPRESENTS INNOVATION, QUALITY AND DESIGN

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

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

INNOVATION OVER 5 GENERATIONS

MANUFACTURER OF THE WORLD'S **1st** STEEL AND BATHROOM RADIATORS

REPRESENTED IN MORE THAN **70** COUNTRIES

AROUND **3,500** EMPLOYEES

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

INNOVATION SINCE **1895**

900 PATENTS AND DESIGN RIGHTS THROUGHOUT THE WORLD

AROUND **40,000** TRAINED CUSTOMERS PER YEAR

INDOOR CLIMATE

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

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

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

BEST QUALITY CERTIFICATES

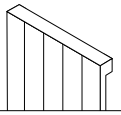
Zehnder Group products are frequently awarded prizes for design and innovative technology.

iF DESIGN AWARD 2020

reddot winner 2020

General Sales and Delivery Conditions:

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

Heating panels	Zehnder Radiapanel 	5
Accessories	Zehnder fixing kits Zehnder rails and hooks Zehnder valves	62
General	Keyword list Pressure loss graph, conversion table Zehnder comfortable indoor ventilation	74

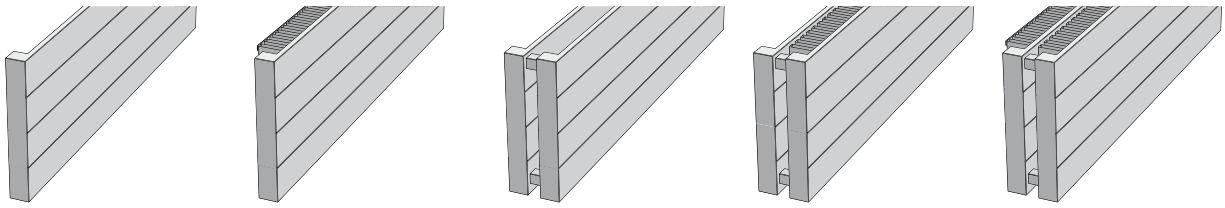
Hot water operation

Zehnder Radiapanel

	Overview of models	Product description	List prices	Special versions	Connections	Series version	Fixings	Technical specifications	Installation points
Zehnder Radiapanel - horizontal version									
■ Radiator as panel radiator ■ Low water content ■ Short response times	6	8	9	33	35	44	45	49	59
Zehnder Radiapanel - vertical version									
■ Wide range of models ■ Small depth ■ Modern design	7	8	25	33	40	44	47	54	61

Zehnder Radiapanel

Zehnder Radiapanel Horizontal



H HL HH HLH HLHL

Height mm	Depth mm				
	38	63	100	100	126
70	H07	HL07/07	HH07	-	-
140	H14	HL14/14	HH14	-	-
210	H21	HL21/21	HH21	-	-
280	H28	HL28/28	HH28	-	-
350	H35	HL35/35	HH35	HLH35/28	HLHL35/28
420	H42	HL42/35	HH42	HLH42/28	HLHL42/28
490	H49	HL49/49	HH49	HLH49/49	HLHL49/49
560	H56	HL56/49	HH56	HLH56/49	HLHL56/49
630	H63	HL63/63	HH63	HLH63/63	HLHL63/63
700	H70	HL70/63	HH70	HLH70/63	HLHL70/63
770	H77	HL77/63	HH77	HLH77/63	HLHL77/63
840	H84	HL84/63	HH84	HLH84/63	HLHL84/63
910	H91	-	HH91	-	-
980	H98	-	HH98	-	-
1050	H105	-	HH105	-	-
		-			
1120	H112	-	HH112	-	-
1190	H119	-	HH119	-	-
1260	H126	-	HH126	-	-
1330	H133	-	HH133	-	-
1400	H140	-	HH140	-	-
1470	H147	-	HH147	-	-
1540	H154	-	HH154	-	-

All horizontal models from a height of 140 mm with fins can also be ordered with a reduced fin height.
Larger heights up to 2100 mm on request.

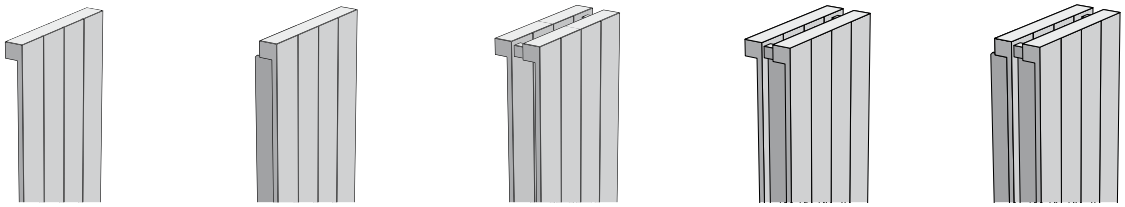
Maximum lengths per radiator

Model	Height	Jump in height	Length	Jump in length
mm	mm	mm	mm	mm
H	70 to 1540			
HH	70 to 1540		500 to 2000	100
HL	70 to 840	70		
HLH	140 to 840		2000 to 6000	200
HLHL	140 to 840			

Max. recommended flow rate of 250 kg/h for Completto version.

Zehnder Radiapanel

Zehnder Radiapanel Vertical



	V	VL	VV	VLV	VLVL
Height mm	Depth mm				
	38	63	100	100	126
600	V060	-	VV060	-	-
800	V080	VL080	VV080	VLV080	VLVL080
1000	V100	VL100	VV100	VLV100	VLVL100
1200	V120	VL120	VV120	VLV120	VLVL120
1400	V140	VL140	VV140	VLV140	VLVL140
1600	V160	VL160	VV160	VLV160	VLVL160
1800	V180	VL180	VV180	VLV180	VLVL180
2000	V200	VL200	VV200	VLV200	VLVL200
2200	V220	VL220	VV220	VLV220	VLVL220
2400	V240	-	VV240	-	-
2600	V260	-	VV260	-	-
2800	V280	-	VV280	-	-

Intermediate heights and larger heights over 6000 mm on request.

Maximum lengths per radiator

Model mm	Height mm	Jump in height mm	Length mm	Jump in length mm
V, VV	500 to 4000	200	140 to 2100	70
VL	800 to 2200		210 to 1330	
VLV	800 to 2200		210 to 1330	
VLVL	800 to 2200		210 to 1330	

Max. recommended flow rate of 250 kg/h for Completto version.

Zehnder Radiapanel

Zehnder Radiapanel (horizontal with “Breakthrough”)

Zehnder Radiapanel (vertical)

Product description

Zehnder Radiapanel is a panel radiator without interruption that combines the benefits of a radiator made from individual tubes with the look of a flat fronted radiator. The structure of flat tubes facilitates targeted water movement within the radiator, which enables a large variety of connection options with assured thermal output.
Five depths in combination with horizontal and vertical pipework offer a model range that permits the perfect choice of size and performance for all applications.
Depending on where they are used, panel radiators with fins need grilles. That’s no problem for Zehnder Radiapanel. A grille that causes hardly any reduction in output is available for many models. The location where the radiator is intended to be used can also place special requirements on the coating. For example, in wet rooms, which require galvanisation for special protection against corrosion. This is also possible with Zehnder Radiapanel panel radiator.
Colour plays a decisive role, especially with large radiators such as a heating panel. To allow this effect to develop, the Zehnder Radiapanel is available in all colours of the Zehnder colour chart and in other colours on request.

Technical specifications

- Flat tubes 70 x 11 mm
- Maximum operating pressure 5 bar
- Maximum operating temperature 110 °C
- Priming and powder coating to DIN 55900
- Thermal output tested to EN 442, with CE marking

Customisation options

- Grille in two designs
- High pressure version up to max.10 bar
- Various connection options
- Integrated valve at side or in the front
- Galvanising (models without fins, models with fins on request)

Advantages

- A wide range of models
- Sealed unit
- Solutions for corner application available
- Special solutions
- Suitable for wet rooms
- Clean look due to innovative welding method

Scope of delivery for standard version

- Primed and painted in RAL 9016
- Connections 4 x ½" front
- With welded lugs at rear
- Vertical models VL, VLV and VLVL with side cover
- Packaging in film and cardboard

Scope of delivery for "Breakthrough" version

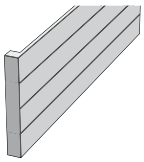
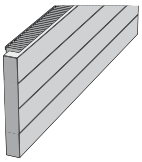
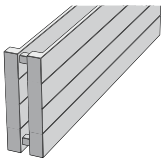
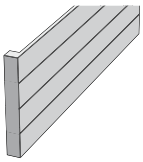
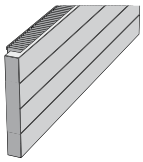
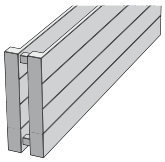
- Primed and painted in RAL 9016
- Valve integrated in front panel cut-out, pre-installed
- 2 x ½" female thread from bottom
- 1 x ½" connection for directional air vent
- With welded lugs at rear
- Vertical models VL, VLV and VLVL with side cover
- Packaging in film and cardboard

Scope of delivery for Completto version

- Primed and painted in RAL 9016
- Valve unit integrated on side or at front, with valve insert AV 9, max. flow rate 250 kg/h
- 2 x ½" female thread from bottom, 50 mm spacing
- 1 x ½" Connection for directional air vent
- With welded lugs at rear
- Vertical models VL, VLV and VLVL with side cover
- Packaging in film and cardboard

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	70						140					
													
Model		**H07**		**HL07/07**		**HH07**		**H14**		**HL14/14**		**HH14**	
Depth	mm	38		63		100		38		63		100	
Height of fins	mm	-		64		-		-		134		-	
Exponent	n	1,23		1,19		1,32		1,23		1,23		1,29	
Basic price	**€**	**101,89**		**187,93**		**331,24**		**135,64**		**209,09**		**413,29**	
Price/metre	**€**	**67,48**		**131,16**		**135,10**		**81,39**		**143,05**		**193,37**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		50	**135,63**	118	**253,51**	80	**398,79**	89	**176,34**	180	**280,62**	147	**509,98**
600		60	**142,38**	141	**266,63**	96	**412,30**	107	**184,47**	216	**294,92**	176	**529,31**
700		70	**149,13**	165	**279,74**	112	**425,81**	124	**192,61**	252	**309,23**	206	**548,65**
800		79	**155,87**	188	**292,86**	128	**439,32**	142	**200,75**	288	**323,53**	235	**567,99**
900		89	**162,62**	212	**305,97**	144	**452,83**	160	**208,89**	324	**337,84**	264	**587,32**
1000		99	**169,37**	235	**319,09**	159	**466,34**	177	**217,03**	359	**352,14**	293	**606,66**
1100		109	**176,12**	259	**332,21**	175	**479,85**	195	**225,17**	395	**366,45**	323	**626,00**
1200		119	**182,87**	282	**345,32**	191	**493,36**	213	**233,31**	431	**380,75**	352	**645,33**
1300		129	**189,61**	306	**358,44**	207	**506,87**	231	**241,45**	467	**395,06**	381	**664,67**
1400		139	**196,36**	329	**371,55**	223	**520,38**	248	**249,59**	503	**409,36**	411	**684,01**
1500		148	**203,11**	353	**384,67**	239	**533,89**	266	**257,73**	539	**423,67**	440	**703,35**
1600		158	**209,86**	376	**397,79**	255	**547,40**	284	**265,86**	575	**437,97**	469	**722,68**
1700		168	**216,61**	400	**410,90**	271	**560,91**	301	**274,00**	611	**452,28**	499	**742,02**
1800		178	**223,35**	423	**424,02**	287	**574,42**	319	**282,14**	647	**466,58**	528	**761,36**
1900		188	**230,10**	447	**437,13**	303	**587,93**	337	**290,28**	683	**480,89**	557	**780,69**
2000		198	**236,85**	470	**450,25**	318	**601,44**	354	**298,42**	718	**495,19**	586	**800,03**
2200		217	**250,35**	517	**476,48**	350	**628,46**	390	**314,70**	790	**523,80**	645	**838,70**
2400		237	**263,84**	564	**502,71**	382	**655,48**	425	**330,98**	862	**552,41**	704	**877,38**
2600		257	**277,34**	611	**528,95**	414	**682,50**	461	**347,25**	934	**581,02**	762	**916,05**
2800		277	**290,83**	658	**555,18**	446	**709,52**	496	**363,53**	1006	**609,63**	821	**954,73**
3000		296	**304,33**	705	**581,41**	477	**736,54**	531	**379,81**	1077	**638,24**	879	**993,40**
3200		316	**317,83**	752	**607,64**	509	**763,56**	567	**396,09**	1149	**666,85**	938	**1.032,07**
3400		336	**331,32**	799	**633,87**	541	**790,58**	602	**412,37**	1221	**695,46**	997	**1.070,75**
3600		355	**344,82**	846	**660,11**	573	**817,60**	638	**428,64**	1293	**724,07**	1055	**1.109,42**
3800		375	**358,31**	893	**686,34**	605	**844,62**	673	**444,92**	1365	**752,68**	1114	**1.148,10**
4000		395	**371,81**	940	**712,57**	636	**871,64**	708	**461,20**	1436	**781,29**	1172	**1.186,77**
4200		415	**385,31**	987	**738,80**	668	**898,66**	744	**477,48**	1508	**809,90**	1231	**1.225,44**
4400		434	**398,80**	1034	**765,03**	700	**925,68**	779	**493,76**	1580	**838,51**	1290	**1.264,12**
4600		454	**412,30**	1081	**791,27**	732	**952,70**	815	**510,03**	1652	**867,12**	1348	**1.302,79**
4800		474	**425,79**	1128	**817,50**	764	**979,72**	850	**526,31**	1724	**895,73**	1407	**1.341,47**
5000		493	**439,29**	1175	**843,73**	795	**1.006,74**	885	**542,59**	1795	**924,34**	1465	**1.380,14**
5200		513	**452,79**	1222	**869,96**	827	**1.033,76**	921	**558,87**	1867	**952,95**	1524	**1.418,81**
5400		533	**466,28**	1269	**896,19**	859	**1.060,78**	956	**575,15**	1939	**981,56**	1583	**1.457,49**
5600		553	**479,78**	1316	**922,43**	891	**1.087,80**	992	**591,42**	2011	**1.010,17**	1641	**1.496,16**
5800		572	**493,27**	1363	**948,66**	923	**1.114,82**	1027	**607,70**	2083	**1.038,78**	1700	**1.534,84**
6000		592	**506,77**	1410	**974,89**	954	**1.141,84**	1062	**623,98**	2154	**1.067,39**	1758	**1.573,51**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

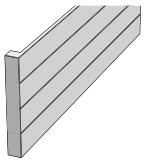
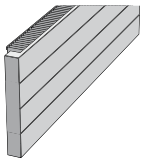
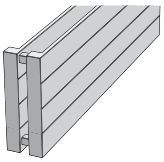
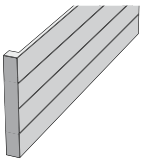
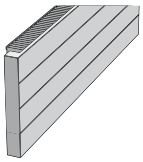
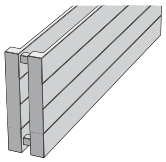
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	210						280					
													
Model		**H21**		**HL21/21**		**HH21**		**H28**		**HL28/28**		**HH28**	
Depth	mm	38		63		100		38		63		100	
Height of fins	mm	-		204		-		-		274		-	
Exponent	n	1,23		1,24		1,26		1,23		1,25		1,24	
Basic price	**€**	**152,66**		**243,96**		**454,22**		**175,44**		**243,09**		**511,21**	
Price/metre	**€**	**103,03**		**234,07**		**253,61**		**121,84**		**196,32**		**269,23**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		125	**204,18**	255	**361,00**	195	**581,03**	159	**236,36**	305	**341,25**	248	**645,83**
600		150	**214,48**	306	**384,40**	234	**606,39**	191	**248,54**	366	**360,88**	297	**672,75**
700		175	**224,78**	357	**407,81**	273	**631,75**	223	**260,73**	427	**380,51**	347	**699,67**
800		200	**235,08**	408	**431,22**	312	**657,11**	255	**272,91**	488	**400,15**	396	**726,59**
900		225	**245,39**	459	**454,62**	351	**682,47**	287	**285,10**	549	**419,78**	446	**753,52**
1000		249	**255,69**	509	**478,03**	390	**707,83**	318	**297,28**	610	**439,41**	495	**780,44**
1100		274	**265,99**	560	**501,44**	430	**733,19**	350	**309,46**	671	**459,04**	545	**807,36**
1200		299	**276,30**	611	**524,84**	468	**758,55**	382	**321,65**	732	**478,67**	594	**834,29**
1300		324	**286,60**	662	**548,25**	507	**783,91**	414	**333,83**	793	**498,31**	644	**861,21**
1400		349	**296,90**	713	**571,66**	546	**809,27**	446	**346,02**	854	**517,94**	693	**888,13**
1500		374	**307,21**	764	**595,07**	585	**834,64**	477	**358,20**	915	**537,57**	743	**915,06**
1600		399	**317,51**	815	**618,47**	624	**860,00**	509	**370,38**	976	**557,20**	792	**941,98**
1700		424	**327,81**	866	**641,88**	663	**885,36**	541	**382,57**	1037	**576,83**	842	**968,90**
1800		449	**338,11**	917	**665,29**	702	**910,72**	573	**394,75**	1098	**596,47**	891	**995,82**
1900		474	**348,42**	968	**688,69**	741	**936,08**	605	**406,94**	1159	**616,10**	941	**1.022,75**
2000		498	**358,72**	1018	**712,10**	780	**961,44**	636	**419,12**	1220	**635,73**	990	**1.049,67**
2200		548	**379,33**	1120	**758,91**	859	**1.012,16**	700	**443,49**	1342	**674,99**	1089	**1.103,52**
2400		598	**399,93**	1222	**805,73**	936	**1.062,88**	764	**467,86**	1464	**714,26**	1188	**1.157,36**
2600		648	**420,54**	1324	**852,54**	1014	**1.113,61**	827	**492,22**	1586	**753,52**	1287	**1.211,21**
2800		698	**441,14**	1426	**899,36**	1092	**1.164,33**	891	**516,59**	1708	**792,79**	1386	**1.265,05**
3000		747	**461,75**	1527	**946,17**	1170	**1.215,05**	954	**540,96**	1830	**832,05**	1485	**1.318,90**
3200		797	**482,36**	1629	**992,98**	1248	**1.265,77**	1018	**565,33**	1952	**871,31**	1584	**1.372,75**
3400		847	**502,96**	1731	**1.039,80**	1326	**1.316,49**	1082	**589,70**	2074	**910,58**	1683	**1.426,59**
3600		897	**523,57**	1833	**1.086,61**	1404	**1.367,22**	1145	**614,06**	2196	**949,84**	1782	**1.480,44**
3800		947	**544,17**	1935	**1.133,43**	1482	**1.417,94**	1209	**638,43**	2318	**989,11**	1881	**1.534,28**
4000		996	**564,78**	2036	**1.180,24**	1560	**1.468,66**	1272	**662,80**	2440	**1.028,37**	1980	**1.588,13**
4200		1046	**585,39**	2138	**1.227,05**	1638	**1.519,38**	1336	**687,17**	2562	**1.067,63**	2079	**1.641,98**
4400		1096	**605,99**	2240	**1.273,87**	1717	**1.570,10**	1400	**711,54**	2684	**1.106,90**	2178	**1.695,82**
4600		1146	**626,60**	2342	**1.320,68**	1794	**1.620,83**	1463	**735,90**	2806	**1.146,16**	2277	**1.749,67**
4800		1196	**647,20**	2444	**1.367,50**	1872	**1.671,55**	1527	**760,27**	2928	**1.185,43**	2376	**1.803,51**
5000		1245	**667,81**	2545	**1.414,31**	1950	**1.722,27**	1590	**784,64**	3050	**1.224,69**	2475	**1.857,36**
5200		1295	**688,42**	2647	**1.461,12**	2028	**1.772,99**	1654	**809,01**	3172	**1.263,95**	2574	**1.911,21**
5400		1345	**709,02**	2749	**1.507,94**	2106	**1.823,71**	1718	**833,38**	3294	**1.303,22**	2673	**1.965,05**
5600		1395	**729,63**	2851	**1.554,75**	2184	**1.874,44**	1781	**857,74**	3416	**1.342,48**	2772	**2.018,90**
5800		1445	**750,23**	2953	**1.601,57**	2262	**1.925,16**	1845	**882,11**	3538	**1.381,75**	2871	**2.072,74**
6000		1494	**770,84**	3054	**1.648,38**	2340	**1.975,88**	1908	**906,48**	3660	**1.421,01**	2970	**2.126,59**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

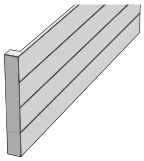
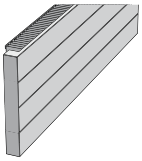
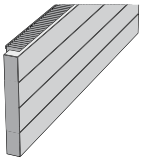
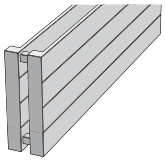
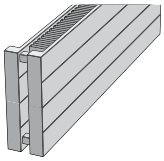
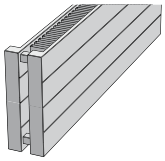
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	350											
													
Model		**H35**		**HL35/14**		**HL35/35**		**HH35**		**HLH35/14**		**HLH35/28**	
Depth	mm	38		63		63		100		100		100	
Height of fins	mm	-		134		344		-		134		274	
Exponent	n	1,23		1,25		1,26		1,28		1,30		1,35	
Basic price	**€**	**187,86**		**248,03**		**248,03**		**499,53**		**505,95**		**505,95**	
Price/metre	**€**	**146,78**		**194,89**		**206,52**		**291,38**		**330,14**		**337,29**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		192	**261,25**	289	**345,48**	363	**351,29**	340	**645,22**	419	**671,02**	459	**674,60**
600		230	**275,93**	347	**364,96**	436	**371,94**	408	**674,36**	503	**704,03**	551	**708,32**
700		269	**290,61**	405	**384,45**	509	**392,59**	476	**703,50**	587	**737,05**	642	**742,05**
800		307	**305,28**	463	**403,94**	581	**413,25**	544	**732,63**	671	**770,06**	734	**775,78**
900		345	**319,96**	521	**423,43**	654	**433,90**	612	**761,77**	755	**803,08**	826	**809,51**
1000		383	**334,64**	578	**442,92**	726	**454,55**	679	**790,91**	838	**836,09**	917	**843,24**
1100		422	**349,32**	636	**462,41**	799	**475,20**	747	**820,05**	922	**869,10**	1009	**876,97**
1200		460	**364,00**	694	**481,90**	872	**495,85**	815	**849,19**	1006	**902,12**	1101	**910,70**
1300		498	**378,67**	752	**501,39**	944	**516,51**	883	**878,32**	1090	**935,13**	1193	**944,43**
1400		537	**393,35**	810	**520,88**	1017	**537,16**	951	**907,46**	1174	**968,15**	1284	**978,16**
1500		575	**408,03**	867	**540,37**	1089	**557,81**	1019	**936,60**	1257	**1.001,16**	1376	**1.011,89**
1600		613	**422,71**	925	**559,85**	1162	**578,46**	1087	**965,74**	1341	**1.034,17**	1468	**1.045,61**
1700		652	**437,39**	983	**579,34**	1235	**599,11**	1155	**994,88**	1425	**1.067,19**	1559	**1.079,34**
1800		690	**452,06**	1041	**598,83**	1307	**619,77**	1223	**1.024,01**	1509	**1.100,20**	1651	**1.113,07**
1900		728	**466,74**	1099	**618,32**	1380	**640,42**	1291	**1.053,15**	1593	**1.133,22**	1743	**1.146,80**
2000		766	**481,42**	1156	**637,81**	1452	**661,07**	1358	**1.082,29**	1676	**1.166,23**	1834	**1.180,53**
2200		843	**510,78**	1272	**676,79**	1598	**702,37**	1494	**1.140,57**	1844	**1.232,26**	2018	**1.247,99**
2400		920	**540,13**	1388	**715,77**	1743	**743,68**	1630	**1.198,84**	2012	**1.298,29**	2201	**1.315,45**
2600		996	**569,49**	1503	**754,74**	1888	**784,98**	1766	**1.257,12**	2179	**1.364,31**	2385	**1.382,90**
2800		1073	**598,84**	1619	**793,72**	2033	**826,29**	1902	**1.315,39**	2347	**1.430,34**	2568	**1.450,36**
3000		1149	**628,20**	1734	**832,70**	2178	**867,59**	2037	**1.373,67**	2514	**1.496,37**	2751	**1.517,82**
3200		1226	**657,56**	1850	**871,68**	2324	**908,89**	2173	**1.431,95**	2682	**1.562,40**	2935	**1.585,28**
3400		1303	**686,91**	1966	**910,66**	2469	**950,20**	2309	**1.490,22**	2850	**1.628,43**	3118	**1.652,74**
3600		1379	**716,27**	2081	**949,63**	2614	**991,50**	2445	**1.548,50**	3017	**1.694,45**	3302	**1.720,19**
3800		1456	**745,62**	2197	**988,61**	2759	**1.032,81**	2581	**1.606,77**	3185	**1.760,48**	3485	**1.787,65**
4000		1532	**774,98**	2312	**1.027,59**	2904	**1.074,11**	2716	**1.665,05**	3352	**1.826,51**	3668	**1.855,11**
4200		1609	**804,34**	2428	**1.066,57**	3050	**1.115,41**	2852	**1.723,33**	3520	**1.892,54**	3852	**1.922,57**
4400		1686	**833,69**	2544	**1.105,55**	3195	**1.156,72**	2988	**1.781,60**	3688	**1.958,57**	4035	**1.990,03**
4600		1762	**863,05**	2659	**1.144,52**	3340	**1.198,02**	3124	**1.839,88**	3855	**2.024,59**	4219	**2.057,48**
4800		1839	**892,40**	2775	**1.183,50**	3485	**1.239,33**	3260	**1.898,15**	4023	**2.090,62**	4402	**2.124,94**
5000		1915	**921,76**	2890	**1.222,48**	3630	**1.280,63**	3395	**1.956,43**	4190	**2.156,65**	4585	**2.192,40**
5200		1992	**951,12**	3006	**1.261,46**	3776	**1.321,93**	3531	**2.014,71**	4358	**2.222,68**	4769	**2.259,86**
5400		2069	**980,47**	3122	**1.300,44**	3921	**1.363,24**	3667	**2.072,98**	4526	**2.288,71**	4952	**2.327,32**
5600		2145	**1.009,83**	3237	**1.339,41**	4066	**1.404,54**	3803	**2.131,26**	4693	**2.354,73**	5136	**2.394,77**
5800		2222	**1.039,18**	3353	**1.378,39**	4211	**1.445,85**	3939	**2.189,53**	4861	**2.420,76**	5319	**2.462,23**
6000		2298	**1.068,54**	3468	**1.417,37**	4356	**1.487,15**	4074	**2.247,81**	5028	**2.486,79**	5502	**2.529,69**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

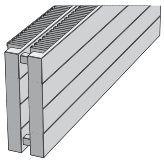
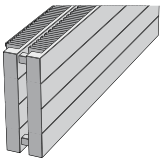
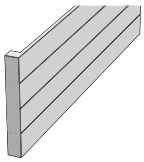
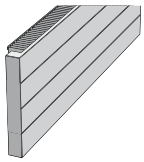
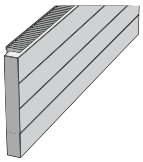
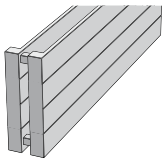
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	350				420							
													
Model		**HLHL35/14**		**HLHL35/28**		**H42**		**HL42/14**		**HL42/28**		**HH42**	
Depth	mm	126		126		38		63		63		100	
Height of fins	mm	134		274		-		134		274		-	
Exponent	n	1,34		1,34		1,25		1,25		1,26		1,28	
Basic price	**€**	**554,05**		**554,05**		**208,29**		**255,82**		**255,82**		**531,41**	
Price/metre	**€**	**373,84**		**387,82**		**166,63**		**226,29**		**231,58**		**350,25**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		532	**740,97**	603	**747,96**	227	**291,61**	321	**368,97**	371	**371,61**	394	**706,54**
600		638	**778,35**	723	**786,74**	272	**308,27**	386	**391,59**	445	**394,77**	473	**741,56**
700		745	**815,74**	844	**825,52**	318	**324,93**	450	**414,22**	519	**417,93**	552	**776,59**
800		851	**853,12**	964	**864,31**	363	**341,59**	514	**436,85**	593	**441,08**	631	**811,61**
900		957	**890,51**	1085	**903,09**	408	**358,26**	578	**459,48**	667	**464,24**	710	**846,64**
1000		1063	**927,89**	1205	**941,87**	453	**374,92**	642	**482,11**	741	**487,40**	788	**881,66**
1100		1170	**965,27**	1326	**980,65**	499	**391,58**	707	**504,74**	816	**510,56**	867	**916,69**
1200		1276	**1.002,66**	1446	**1.019,43**	544	**408,25**	771	**527,37**	890	**533,72**	946	**951,71**
1300		1382	**1.040,04**	1567	**1.058,22**	589	**424,91**	835	**550,00**	964	**556,87**	1025	**986,74**
1400		1489	**1.077,43**	1687	**1.097,00**	635	**441,57**	899	**572,63**	1038	**580,03**	1104	**1.021,76**
1500		1595	**1.114,81**	1808	**1.135,78**	680	**458,24**	963	**595,26**	1112	**603,19**	1182	**1.056,79**
1600		1701	**1.152,19**	1928	**1.174,56**	725	**474,90**	1028	**617,88**	1186	**626,35**	1261	**1.091,81**
1700		1808	**1.189,58**	2049	**1.213,34**	771	**491,56**	1092	**640,51**	1260	**649,51**	1340	**1.126,84**
1800		1914	**1.226,96**	2169	**1.252,13**	816	**508,22**	1156	**663,14**	1334	**672,66**	1419	**1.161,86**
1900		2020	**1.264,35**	2290	**1.290,91**	861	**524,89**	1220	**685,77**	1408	**695,82**	1498	**1.196,89**
2000		2126	**1.301,73**	2410	**1.329,69**	906	**541,55**	1284	**708,40**	1482	**718,98**	1576	**1.231,91**
2200		2339	**1.376,50**	2651	**1.407,25**	997	**574,88**	1413	**753,66**	1631	**765,30**	1734	**1.301,96**
2400		2552	**1.451,27**	2892	**1.484,82**	1088	**608,20**	1541	**798,92**	1779	**811,61**	1892	**1.372,01**
2600		2764	**1.526,03**	3133	**1.562,38**	1178	**641,53**	1670	**844,17**	1927	**857,93**	2049	**1.442,06**
2800		2977	**1.600,80**	3374	**1.639,95**	1269	**674,85**	1798	**889,43**	2075	**904,24**	2207	**1.512,11**
3000		3189	**1.675,57**	3615	**1.717,51**	1359	**708,18**	1926	**934,69**	2223	**950,56**	2364	**1.582,16**
3200		3402	**1.750,34**	3856	**1.795,07**	1450	**741,51**	2055	**979,95**	2372	**996,88**	2522	**1.652,21**
3400		3615	**1.825,11**	4097	**1.872,64**	1541	**774,83**	2183	**1.025,21**	2520	**1.043,19**	2680	**1.722,26**
3600		3827	**1.899,87**	4338	**1.950,20**	1631	**808,16**	2312	**1.070,46**	2668	**1.089,51**	2837	**1.792,31**
3800		4040	**1.974,64**	4579	**2.027,77**	1722	**841,48**	2440	**1.115,72**	2816	**1.135,82**	2995	**1.862,36**
4000		4252	**2.049,41**	4820	**2.105,33**	1812	**874,81**	2568	**1.160,98**	2964	**1.182,14**	3152	**1.932,41**
4200		4465	**2.124,18**	5061	**2.182,89**	1903	**908,14**	2697	**1.206,24**	3113	**1.228,46**	3310	**2.002,46**
4400		4678	**2.198,95**	5302	**2.260,46**	1994	**941,46**	2825	**1.251,50**	3261	**1.274,77**	3468	**2.072,51**
4600		4890	**2.273,71**	5543	**2.338,02**	2084	**974,79**	2954	**1.296,75**	3409	**1.321,09**	3625	**2.142,56**
4800		5103	**2.348,48**	5784	**2.415,59**	2175	**1.008,11**	3082	**1.342,01**	3557	**1.367,40**	3783	**2.212,61**
5000		5315	**2.423,25**	6025	**2.493,15**	2265	**1.041,44**	3210	**1.387,27**	3705	**1.413,72**	3940	**2.282,66**
5200		5528	**2.498,02**	6266	**2.570,71**	2356	**1.074,77**	3339	**1.432,53**	3854	**1.460,04**	4098	**2.352,71**
5400		5741	**2.572,79**	6507	**2.648,28**	2447	**1.108,09**	3467	**1.477,79**	4002	**1.506,35**	4256	**2.422,76**
5600		5953	**2.647,55**	6748	**2.725,84**	2537	**1.141,42**	3596	**1.523,04**	4150	**1.552,67**	4413	**2.492,81**
5800		6166	**2.722,32**	6989	**2.803,41**	2628	**1.174,74**	3724	**1.568,30**	4298	**1.598,98**	4571	**2.562,86**
6000		6378	**2.797,09**	7230	**2.880,97**	2718	**1.208,07**	3852	**1.613,56**	4446	**1.645,30**	4728	**2.632,91**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

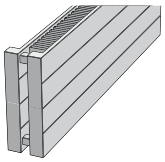
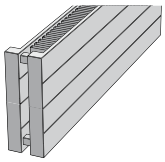
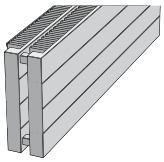
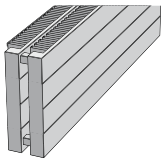
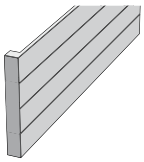
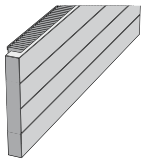
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	420								490			
													
Model		**HLH42/14**		**HLH42/28**		**HLHL42/14**		**HLHL42/28**		**H49**		**HL49/28**	
Depth	mm	100		100		126		126		38		63	
Height of fins	mm	134		274		134		274		-		274	
Exponent	n	1,31		1,35		1,34		1,35		1,25		1,27	
Basic price	**€**	**559,47**		**559,47**		**557,03**		**557,03**		**238,64**		**274,65**	
Price/metre	**€**	**366,19**		**372,97**		**441,15**		**457,54**		**182,93**		**276,74**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		467	**742,57**	507	**745,96**	582	**777,61**	649	**785,80**	260	**330,11**	401	**413,02**
600		561	**779,18**	609	**783,25**	699	**821,72**	779	**831,55**	312	**348,40**	482	**440,69**
700		654	**815,80**	710	**820,55**	815	**865,84**	909	**877,31**	364	**366,69**	562	**468,37**
800		748	**852,42**	812	**857,85**	932	**909,95**	1039	**923,06**	416	**384,98**	642	**496,04**
900		841	**889,04**	913	**895,14**	1048	**954,07**	1169	**968,82**	468	**403,28**	722	**523,72**
1000		934	**925,66**	1014	**932,44**	1164	**998,18**	1298	**1.014,57**	519	**421,57**	802	**551,39**
1100		1028	**962,28**	1116	**969,74**	1281	**1.042,30**	1428	**1.060,32**	571	**439,86**	883	**579,06**
1200		1121	**998,90**	1217	**1.007,03**	1397	**1.086,41**	1558	**1.106,08**	623	**458,16**	963	**606,74**
1300		1215	**1.035,52**	1319	**1.044,33**	1514	**1.130,53**	1688	**1.151,83**	675	**476,45**	1043	**634,41**
1400		1308	**1.072,14**	1420	**1.081,63**	1630	**1.174,64**	1818	**1.197,59**	727	**494,74**	1123	**662,09**
1500		1401	**1.108,76**	1521	**1.118,93**	1746	**1.218,76**	1947	**1.243,34**	779	**513,04**	1203	**689,76**
1600		1495	**1.145,37**	1623	**1.156,22**	1863	**1.262,87**	2077	**1.289,09**	831	**531,33**	1284	**717,43**
1700		1588	**1.181,99**	1724	**1.193,52**	1979	**1.306,99**	2207	**1.334,85**	883	**549,62**	1364	**745,11**
1800		1682	**1.218,61**	1826	**1.230,82**	2096	**1.351,10**	2337	**1.380,60**	935	**567,91**	1444	**772,78**
1900		1775	**1.255,23**	1927	**1.268,11**	2212	**1.395,22**	2467	**1.426,36**	987	**586,21**	1524	**800,46**
2000		1868	**1.291,85**	2028	**1.305,41**	2328	**1.439,33**	2596	**1.472,11**	1038	**604,50**	1604	**828,13**
2200		2055	**1.365,09**	2231	**1.380,00**	2561	**1.527,56**	2856	**1.563,62**	1142	**641,09**	1765	**883,48**
2400		2242	**1.438,33**	2434	**1.454,60**	2794	**1.615,79**	3116	**1.655,13**	1246	**677,67**	1925	**938,83**
2600		2429	**1.511,56**	2637	**1.529,19**	3027	**1.704,02**	3375	**1.746,63**	1350	**714,26**	2086	**994,17**
2800		2616	**1.584,80**	2840	**1.603,79**	3260	**1.792,25**	3635	**1.838,14**	1454	**750,84**	2246	**1.049,52**
3000		2802	**1.658,04**	3042	**1.678,38**	3492	**1.880,48**	3894	**1.929,65**	1557	**787,43**	2406	**1.104,87**
3200		2989	**1.731,28**	3245	**1.752,97**	3725	**1.968,71**	4154	**2.021,16**	1661	**824,02**	2567	**1.160,22**
3400		3176	**1.804,52**	3448	**1.827,57**	3958	**2.056,94**	4414	**2.112,67**	1765	**860,60**	2727	**1.215,57**
3600		3363	**1.877,75**	3651	**1.902,16**	4191	**2.145,17**	4673	**2.204,17**	1869	**897,19**	2888	**1.270,91**
3800		3550	**1.950,99**	3854	**1.976,76**	4424	**2.233,40**	4933	**2.295,68**	1973	**933,77**	3048	**1.326,26**
4000		3736	**2.024,23**	4056	**2.051,35**	4656	**2.321,63**	5192	**2.387,19**	2076	**970,36**	3208	**1.381,61**
4200		3923	**2.097,47**	4259	**2.125,94**	4889	**2.409,86**	5452	**2.478,70**	2180	**1.006,95**	3369	**1.436,96**
4400		4110	**2.170,71**	4462	**2.200,54**	5122	**2.498,09**	5712	**2.570,21**	2284	**1.043,53**	3529	**1.492,31**
4600		4297	**2.243,94**	4665	**2.275,13**	5355	**2.586,32**	5971	**2.661,71**	2388	**1.080,12**	3690	**1.547,65**
4800		4484	**2.317,18**	4868	**2.349,73**	5588	**2.674,55**	6231	**2.753,22**	2492	**1.116,70**	3850	**1.603,00**
5000		4670	**2.390,42**	5070	**2.424,32**	5820	**2.762,78**	6490	**2.844,73**	2595	**1.153,29**	4010	**1.658,35**
5200		4857	**2.463,66**	5273	**2.498,91**	6053	**2.851,01**	6750	**2.936,24**	2699	**1.189,88**	4171	**1.713,70**
5400		5044	**2.536,90**	5476	**2.573,51**	6286	**2.939,24**	7010	**3.027,75**	2803	**1.226,46**	4331	**1.769,05**
5600		5231	**2.610,13**	5679	**2.648,10**	6519	**3.027,47**	7269	**3.119,25**	2907	**1.263,05**	4492	**1.824,39**
5800		5418	**2.683,37**	5882	**2.722,70**	6752	**3.115,70**	7529	**3.210,76**	3011	**1.299,63**	4652	**1.879,74**
6000		5604	**2.756,61**	6084	**2.797,29**	6984	**3.203,93**	7788	**3.302,27**	3114	**1.336,22**	4812	**1.935,09**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

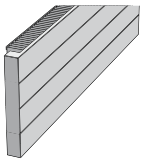
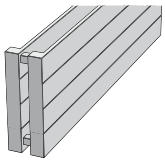
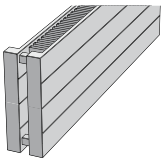
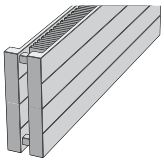
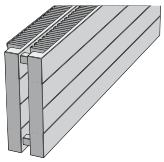
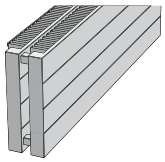
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	490											
													
Model		**HL49/49**		**HH49**		**HLH49/28**		**HLH49/49**		**HLHL49/28**		**HLHL49/49**	
Depth	mm	63		100		100		100		126		126	
Height of fins	mm	484		-		274		484		274		484	
Exponent	n	1,22		1,28		1,36		1,35		1,35		1,30	
Basic price	**€**	**274,65**		**575,46**		**618,03**		**618,03**		**683,62**		**683,62**	
Price/metre	**€**	**302,10**		**397,34**		**372,25**		**436,25**		**429,59**		**561,52**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		448	**425,70**	447	**774,13**	555	**804,16**	593	**836,16**	694	**898,42**	797	**964,38**
600		538	**455,91**	537	**813,86**	666	**841,38**	712	**879,78**	833	**941,37**	956	**1.020,53**
700		628	**486,12**	626	**853,60**	777	**878,61**	831	**923,41**	972	**984,33**	1116	**1.076,68**
800		717	**516,33**	716	**893,33**	888	**915,83**	949	**967,03**	1111	**1.027,29**	1275	**1.132,84**
900		807	**546,54**	805	**933,07**	999	**953,06**	1068	**1.010,66**	1250	**1.070,25**	1434	**1.188,99**
1000		896	**576,75**	894	**972,80**	1109	**990,28**	1186	**1.054,28**	1388	**1.113,21**	1593	**1.245,14**
1100		986	**606,96**	984	**1.012,53**	1220	**1.027,51**	1305	**1.097,91**	1527	**1.156,17**	1753	**1.301,29**
1200		1076	**637,17**	1073	**1.052,27**	1331	**1.064,73**	1424	**1.141,53**	1666	**1.199,13**	1912	**1.357,44**
1300		1165	**667,38**	1163	**1.092,00**	1442	**1.101,96**	1542	**1.185,16**	1805	**1.242,09**	2071	**1.413,60**
1400		1255	**697,59**	1252	**1.131,74**	1553	**1.139,18**	1661	**1.228,78**	1944	**1.285,05**	2231	**1.469,75**
1500		1344	**727,80**	1341	**1.171,47**	1664	**1.176,41**	1779	**1.272,41**	2082	**1.328,01**	2390	**1.525,90**
1600		1434	**758,01**	1431	**1.211,20**	1775	**1.213,63**	1898	**1.316,03**	2221	**1.370,96**	2549	**1.582,05**
1700		1524	**788,22**	1520	**1.250,94**	1886	**1.250,86**	2017	**1.359,66**	2360	**1.413,92**	2709	**1.638,20**
1800		1613	**818,43**	1610	**1.290,67**	1997	**1.288,08**	2135	**1.403,28**	2499	**1.456,88**	2868	**1.694,36**
1900		1703	**848,64**	1699	**1.330,41**	2108	**1.325,31**	2254	**1.446,91**	2638	**1.499,84**	3027	**1.750,51**
2000		1792	**878,85**	1788	**1.370,14**	2218	**1.362,53**	2372	**1.490,53**	2776	**1.542,80**	3186	**1.806,66**
2200		1972	**939,27**	1967	**1.449,61**	2440	**1.436,98**	2610	**1.577,78**	3054	**1.628,72**	3505	**1.918,96**
2400		2151	**999,69**	2146	**1.529,08**	2662	**1.511,43**	2847	**1.665,03**	3332	**1.714,64**	3824	**2.031,27**
2600		2330	**1.060,11**	2325	**1.608,54**	2884	**1.585,88**	3084	**1.752,28**	3609	**1.800,55**	4142	**2.143,57**
2800		2509	**1.120,53**	2504	**1.688,01**	3106	**1.660,33**	3321	**1.839,53**	3887	**1.886,47**	4461	**2.255,88**
3000		2688	**1.180,95**	2682	**1.767,48**	3327	**1.734,78**	3558	**1.926,78**	4164	**1.972,39**	4779	**2.368,18**
3200		2868	**1.241,37**	2861	**1.846,95**	3549	**1.809,23**	3796	**2.014,03**	4442	**2.058,31**	5098	**2.480,48**
3400		3047	**1.301,79**	3040	**1.926,42**	3771	**1.883,68**	4033	**2.101,28**	4720	**2.144,23**	5417	**2.592,79**
3600		3226	**1.362,21**	3219	**2.005,88**	3993	**1.958,13**	4270	**2.188,53**	4997	**2.230,14**	5735	**2.705,09**
3800		3405	**1.422,63**	3398	**2.085,35**	4215	**2.032,58**	4507	**2.275,78**	5275	**2.316,06**	6054	**2.817,40**
4000		3584	**1.483,05**	3576	**2.164,82**	4436	**2.107,03**	4744	**2.363,03**	5552	**2.401,98**	6372	**2.929,70**
4200		3764	**1.543,47**	3755	**2.244,29**	4658	**2.181,48**	4982	**2.450,28**	5830	**2.487,90**	6691	**3.042,00**
4400		3943	**1.603,89**	3934	**2.323,76**	4880	**2.255,93**	5219	**2.537,53**	6108	**2.573,82**	7010	**3.154,31**
4600		4122	**1.664,31**	4113	**2.403,22**	5102	**2.330,38**	5456	**2.624,78**	6385	**2.659,73**	7328	**3.266,61**
4800		4301	**1.724,73**	4292	**2.482,69**	5324	**2.404,83**	5693	**2.712,03**	6663	**2.745,65**	7647	**3.378,92**
5000		4480	**1.785,15**	4470	**2.562,16**	5545	**2.479,28**	5930	**2.799,28**	6940	**2.831,57**	7965	**3.491,22**
5200		4660	**1.845,57**	4649	**2.641,63**	5767	**2.553,73**	6168	**2.886,53**	7218	**2.917,49**	8284	**3.603,52**
5400		4839	**1.905,99**	4828	**2.721,10**	5989	**2.628,18**	6405	**2.973,78**	7496	**3.003,41**	8603	**3.715,83**
5600		5018	**1.966,41**	5007	**2.800,56**	6211	**2.702,63**	6642	**3.061,03**	7773	**3.089,32**	8921	**3.828,13**
5800		5197	**2.026,83**	5186	**2.880,03**	6433	**2.777,08**	6879	**3.148,28**	8051	**3.175,24**	9240	**3.940,44**
6000		5376	**2.087,25**	5364	**2.959,50**	6654	**2.851,53**	7116	**3.235,53**	8328	**3.261,16**	9558	**4.052,74**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

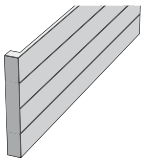
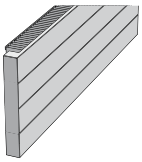
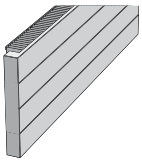
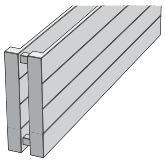
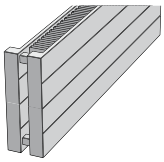
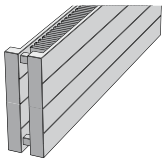
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	560											
													
Model		**H56**		**HL56/28**		**HL56/49**		**HH56**		**HLH56/28**		**HLH56/49**	
Depth	mm	38		63		63		100		100		100	
Height of fins	mm	-		274		484		-		274		484	
Exponent	n	1,25		1,27		1,22		1,28		1,37		1,37	
Basic price	**€**	**233,10**		**291,19**		**291,19**		**611,84**		**611,08**		**611,08**	
Price/metre	**€**	**224,14**		**282,50**		**305,77**		**443,57**		**463,23**		**515,59**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
mm		W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
500		293	**345,17**	431	**432,44**	475	**444,08**	499	**833,63**	601	**842,70**	623	**868,88**
600		351	**367,58**	517	**460,69**	570	**474,65**	599	**877,98**	721	**889,02**	748	**920,43**
700		410	**390,00**	603	**488,94**	665	**505,23**	699	**922,34**	841	**935,34**	873	**971,99**
800		468	**412,41**	689	**517,19**	760	**535,81**	799	**966,70**	961	**981,66**	997	**1.023,55**
900		527	**434,83**	775	**545,44**	855	**566,38**	899	**1.011,05**	1081	**1.027,99**	1122	**1.075,11**
1000		585	**457,24**	861	**573,69**	950	**596,96**	998	**1.055,41**	1201	**1.074,31**	1246	**1.126,67**
1100		644	**479,65**	948	**601,94**	1045	**627,54**	1098	**1.099,77**	1322	**1.120,63**	1371	**1.178,23**
1200		702	**502,07**	1034	**630,19**	1140	**658,11**	1198	**1.144,12**	1442	**1.166,96**	1496	**1.229,79**
1300		761	**524,48**	1120	**658,44**	1235	**688,69**	1298	**1.188,48**	1562	**1.213,28**	1620	**1.281,35**
1400		819	**546,90**	1206	**686,69**	1330	**719,27**	1398	**1.232,84**	1682	**1.259,60**	1745	**1.332,91**
1500		878	**569,31**	1292	**714,94**	1425	**749,85**	1497	**1.277,20**	1802	**1.305,93**	1869	**1.384,47**
1600		936	**591,72**	1378	**743,19**	1520	**780,42**	1597	**1.321,55**	1922	**1.352,25**	1994	**1.436,02**
1700		995	**614,14**	1464	**771,44**	1615	**811,00**	1697	**1.365,91**	2042	**1.398,57**	2119	**1.487,58**
1800		1053	**636,55**	1550	**799,69**	1710	**841,58**	1797	**1.410,27**	2162	**1.444,89**	2243	**1.539,14**
1900		1112	**658,97**	1636	**827,94**	1805	**872,15**	1897	**1.454,62**	2282	**1.491,22**	2368	**1.590,70**
2000		1170	**681,38**	1722	**856,19**	1900	**902,73**	1996	**1.498,98**	2402	**1.537,54**	2492	**1.642,26**
2200		1287	**726,21**	1895	**912,69**	2090	**963,88**	2196	**1.587,69**	2643	**1.630,19**	2742	**1.745,38**
2400		1404	**771,04**	2067	**969,19**	2280	**1.025,04**	2396	**1.676,41**	2883	**1.722,83**	2991	**1.848,50**
2600		1521	**815,86**	2239	**1.025,69**	2470	**1.086,19**	2595	**1.765,12**	3123	**1.815,48**	3240	**1.951,61**
2800		1638	**860,69**	2411	**1.082,19**	2660	**1.147,35**	2795	**1.853,84**	3363	**1.908,12**	3489	**2.054,73**
3000		1755	**905,52**	2583	**1.138,69**	2850	**1.208,50**	2994	**1.942,55**	3603	**2.000,77**	3738	**2.157,85**
3200		1872	**950,35**	2756	**1.195,19**	3040	**1.269,65**	3194	**2.031,26**	3844	**2.093,42**	3988	**2.260,97**
3400		1989	**995,18**	2928	**1.251,69**	3230	**1.330,81**	3394	**2.119,98**	4084	**2.186,06**	4237	**2.364,09**
3600		2106	**1.040,00**	3100	**1.308,19**	3420	**1.391,96**	3593	**2.208,69**	4324	**2.278,71**	4486	**2.467,20**
3800		2223	**1.084,83**	3272	**1.364,69**	3610	**1.453,12**	3793	**2.297,41**	4564	**2.371,35**	4735	**2.570,32**
4000		2340	**1.129,66**	3444	**1.421,19**	3800	**1.514,27**	3992	**2.386,12**	4804	**2.464,00**	4984	**2.673,44**
4200		2457	**1.174,49**	3617	**1.477,69**	3990	**1.575,42**	4192	**2.474,83**	5045	**2.556,65**	5234	**2.776,56**
4400		2574	**1.219,32**	3789	**1.534,19**	4180	**1.636,58**	4392	**2.563,55**	5285	**2.649,29**	5483	**2.879,68**
4600		2691	**1.264,14**	3961	**1.590,69**	4370	**1.697,73**	4591	**2.652,26**	5525	**2.741,94**	5732	**2.982,79**
4800		2808	**1.308,97**	4133	**1.647,19**	4560	**1.758,89**	4791	**2.740,98**	5765	**2.834,58**	5981	**3.085,91**
5000		2925	**1.353,80**	4305	**1.703,69**	4750	**1.820,04**	4990	**2.829,69**	6005	**2.927,23**	6230	**3.189,03**
5200		3042	**1.398,63**	4478	**1.760,19**	4940	**1.881,19**	5190	**2.918,40**	6246	**3.019,88**	6480	**3.292,15**
5400		3159	**1.443,46**	4650	**1.816,69**	5130	**1.942,35**	5390	**3.007,12**	6486	**3.112,52**	6729	**3.395,27**
5600		3276	**1.488,28**	4822	**1.873,19**	5320	**2.003,50**	5589	**3.095,83**	6726	**3.205,17**	6978	**3.498,38**
5800		3393	**1.533,11**	4994	**1.929,69**	5510	**2.064,66**	5789	**3.184,55**	6966	**3.297,81**	7227	**3.601,50**
6000		3510	**1.577,94**	5166	**1.986,19**	5700	**2.125,81**	5988	**3.273,26**	7206	**3.390,46**	7476	**3.704,62**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

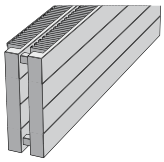
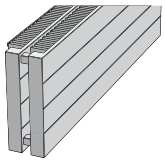
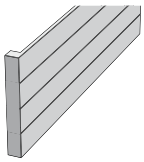
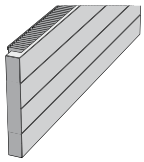
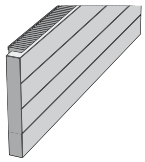
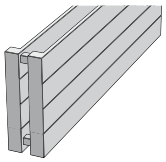
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	560				630							
													
Model		**HLHL56/28**		**HLHL56/49**		**H63**		**HL63/28**		**HL63/63**		**HH63**	
Depth	mm	126		126		38		63		63		100	
Height of fins	mm	274		484		-		274		624		-	
Exponent	n	1,36		1,30		1,25		1,28		1,25		1,29	
Basic price	**€**	**717,51**		**717,51**		**259,02**		**335,33**		**335,33**		**674,96**	
Price/metre	**€**	**450,20**		**589,38**		**239,09**		**321,92**		**352,11**		**472,47**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		737	**942,61**	836	**1.012,20**	325	**378,57**	460	**496,29**	547	**511,39**	551	**911,20**
600		885	**987,63**	1004	**1.071,14**	390	**402,47**	552	**528,48**	657	**546,60**	661	**958,44**
700		1032	**1.032,65**	1171	**1.130,08**	455	**426,38**	644	**560,67**	766	**581,81**	771	**1.005,69**
800		1180	**1.077,67**	1338	**1.189,01**	520	**450,29**	736	**592,87**	876	**617,02**	881	**1.052,94**
900		1327	**1.122,69**	1505	**1.247,95**	585	**474,20**	828	**625,06**	985	**652,23**	991	**1.100,18**
1000		1474	**1.167,71**	1672	**1.306,89**	650	**498,11**	919	**657,25**	1094	**687,44**	1101	**1.147,43**
1100		1622	**1.212,73**	1840	**1.365,83**	716	**522,02**	1011	**689,44**	1204	**722,65**	1212	**1.194,68**
1200		1769	**1.257,75**	2007	**1.424,77**	780	**545,93**	1103	**721,63**	1313	**757,86**	1322	**1.241,92**
1300		1917	**1.302,77**	2174	**1.483,70**	845	**569,84**	1195	**753,83**	1423	**793,07**	1432	**1.289,17**
1400		2064	**1.347,79**	2341	**1.542,64**	910	**593,75**	1287	**786,02**	1532	**828,28**	1542	**1.336,42**
1500		2211	**1.392,81**	2508	**1.601,58**	975	**617,66**	1379	**818,21**	1641	**863,50**	1652	**1.383,67**
1600		2359	**1.437,83**	2676	**1.660,52**	1040	**641,56**	1471	**850,40**	1751	**898,71**	1762	**1.430,91**
1700		2506	**1.482,85**	2843	**1.719,46**	1105	**665,47**	1563	**882,59**	1860	**933,92**	1872	**1.478,16**
1800		2654	**1.527,87**	3010	**1.778,39**	1170	**689,38**	1655	**914,79**	1970	**969,13**	1982	**1.525,41**
1900		2801	**1.572,89**	3177	**1.837,33**	1235	**713,29**	1747	**946,98**	2079	**1.004,34**	2092	**1.572,65**
2000		2948	**1.617,91**	3344	**1.896,27**	1300	**737,20**	1838	**979,17**	2188	**1.039,55**	2202	**1.619,90**
2200		3243	**1.707,95**	3679	**2.014,15**	1431	**785,02**	2022	**1.043,55**	2407	**1.109,97**	2423	**1.714,39**
2400		3538	**1.797,99**	4013	**2.132,02**	1560	**832,84**	2206	**1.107,94**	2626	**1.180,39**	2643	**1.808,89**
2600		3833	**1.888,03**	4348	**2.249,90**	1690	**880,65**	2390	**1.172,32**	2845	**1.250,82**	2863	**1.903,38**
2800		4128	**1.978,07**	4682	**2.367,77**	1820	**928,47**	2574	**1.236,71**	3064	**1.321,24**	3083	**1.997,88**
3000		4422	**2.068,11**	5016	**2.485,65**	1950	**976,29**	2757	**1.301,09**	3282	**1.391,66**	3303	**2.092,37**
3200		4717	**2.158,15**	5351	**2.603,53**	2080	**1.024,11**	2941	**1.365,47**	3501	**1.462,08**	3524	**2.186,86**
3400		5012	**2.248,19**	5685	**2.721,40**	2210	**1.071,93**	3125	**1.429,86**	3720	**1.532,50**	3744	**2.281,36**
3600		5307	**2.338,23**	6020	**2.839,28**	2340	**1.119,74**	3309	**1.494,24**	3939	**1.602,93**	3964	**2.375,85**
3800		5602	**2.428,27**	6354	**2.957,15**	2470	**1.167,56**	3493	**1.558,63**	4158	**1.673,35**	4184	**2.470,35**
4000		5896	**2.518,31**	6688	**3.075,03**	2600	**1.215,38**	3676	**1.623,01**	4376	**1.743,77**	4404	**2.564,84**
4200		6191	**2.608,35**	7023	**3.192,91**	2730	**1.263,20**	3860	**1.687,39**	4595	**1.814,19**	4625	**2.659,33**
4400		6486	**2.698,39**	7357	**3.310,78**	2861	**1.311,02**	4044	**1.751,78**	4814	**1.884,61**	4845	**2.753,83**
4600		6781	**2.788,43**	7692	**3.428,66**	2990	**1.358,83**	4228	**1.816,16**	5033	**1.955,04**	5065	**2.848,32**
4800		7076	**2.878,47**	8026	**3.546,53**	3120	**1.406,65**	4412	**1.880,55**	5252	**2.025,46**	5285	**2.942,82**
5000		7370	**2.968,51**	8360	**3.664,41**	3250	**1.454,47**	4595	**1.944,93**	5470	**2.095,88**	5505	**3.037,31**
5200		7665	**3.058,55**	8695	**3.782,29**	3380	**1.502,29**	4779	**2.009,31**	5689	**2.166,30**	5726	**3.131,80**
5400		7960	**3.148,59**	9029	**3.900,16**	3511	**1.550,11**	4963	**2.073,70**	5908	**2.236,72**	5946	**3.226,30**
5600		8255	**3.238,63**	9364	**4.018,04**	3640	**1.597,92**	5147	**2.138,08**	6127	**2.307,15**	6166	**3.320,79**
5800		8550	**3.328,67**	9698	**4.135,91**	3770	**1.645,74**	5331	**2.202,47**	6346	**2.377,57**	6386	**3.415,29**
6000		8844	**3.418,71**	10032	**4.253,79**	3900	**1.693,56**	5514	**2.266,85**	6564	**2.447,99**	6606	**3.509,78**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

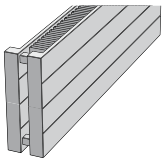
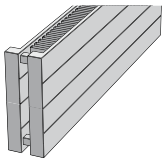
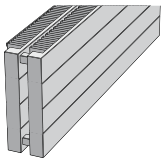
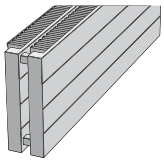
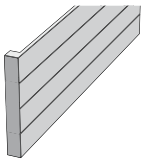
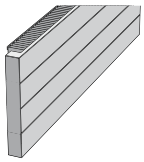
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	630								700			
													
Model		**HLH63/28**		**HLH63/63**		**HLHL63/28**		**HLHL63/63**		**H70**		**HL70/28**	
Depth	mm	100		100		126		126		38		63	
Height of fins	mm	274		624		274		624		-		274	
Exponent	n	1,37		1,37		1,36		1,32		1,25		1,28	
Basic price	**€**	**678,60**		**678,60**		**716,80**		**716,80**		**284,51**		**353,72**	
Price/metre	**€**	**528,37**		**580,10**		**573,44**		**713,75**		**262,62**		**346,73**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		646	**942,79**	714	**968,65**	780	**1.003,52**	955	**1.073,68**	357	**415,82**	488	**527,09**
600		775	**995,62**	857	**1.026,66**	936	**1.060,86**	1146	**1.145,05**	429	**442,08**	586	**561,76**
700		904	**1.048,46**	1000	**1.084,67**	1092	**1.118,21**	1337	**1.216,43**	500	**468,34**	684	**596,43**
800		1033	**1.101,30**	1143	**1.142,68**	1248	**1.175,55**	1528	**1.287,80**	572	**494,61**	781	**631,10**
900		1162	**1.154,13**	1286	**1.200,69**	1404	**1.232,90**	1719	**1.359,18**	643	**520,87**	879	**665,78**
1000		1291	**1.206,97**	1428	**1.258,70**	1559	**1.290,24**	1909	**1.430,55**	714	**547,13**	976	**700,45**
1100		1421	**1.259,81**	1571	**1.316,71**	1715	**1.347,58**	2100	**1.501,93**	786	**573,39**	1074	**735,12**
1200		1550	**1.312,64**	1714	**1.374,72**	1871	**1.404,93**	2291	**1.573,30**	857	**599,65**	1172	**769,80**
1300		1679	**1.365,48**	1857	**1.432,73**	2027	**1.462,27**	2482	**1.644,68**	929	**625,92**	1269	**804,47**
1400		1808	**1.418,32**	2000	**1.490,74**	2183	**1.519,62**	2673	**1.716,05**	1000	**652,18**	1367	**839,14**
1500		1937	**1.471,16**	2142	**1.548,75**	2339	**1.576,96**	2864	**1.787,43**	1071	**678,44**	1464	**873,82**
1600		2066	**1.523,99**	2285	**1.606,76**	2495	**1.634,30**	3055	**1.858,80**	1143	**704,70**	1562	**908,49**
1700		2195	**1.576,83**	2428	**1.664,77**	2651	**1.691,65**	3246	**1.930,18**	1214	**730,96**	1660	**943,16**
1800		2324	**1.629,67**	2571	**1.722,78**	2807	**1.748,99**	3437	**2.001,55**	1286	**757,23**	1757	**977,83**
1900		2453	**1.682,50**	2714	**1.780,79**	2963	**1.806,34**	3628	**2.072,93**	1357	**783,49**	1855	**1.012,51**
2000		2582	**1.735,34**	2856	**1.838,80**	3118	**1.863,68**	3818	**2.144,30**	1428	**809,75**	1952	**1.047,18**
2200		2841	**1.841,01**	3142	**1.954,82**	3430	**1.978,37**	4200	**2.287,05**	1571	**862,27**	2148	**1.116,53**
2400		3099	**1.946,69**	3428	**2.070,84**	3742	**2.093,06**	4582	**2.429,80**	1714	**914,80**	2343	**1.185,87**
2600		3357	**2.052,36**	3713	**2.186,86**	4054	**2.207,74**	4964	**2.572,55**	1857	**967,32**	2538	**1.255,22**
2800		3615	**2.158,04**	3999	**2.302,88**	4366	**2.322,43**	5346	**2.715,30**	2000	**1.019,85**	2733	**1.324,56**
3000		3873	**2.263,71**	4284	**2.418,90**	4677	**2.437,12**	5727	**2.858,05**	2142	**1.072,37**	2928	**1.393,91**
3200		4132	**2.369,38**	4570	**2.534,92**	4989	**2.551,81**	6109	**3.000,80**	2285	**1.124,89**	3124	**1.463,26**
3400		4390	**2.475,06**	4856	**2.650,94**	5301	**2.666,50**	6491	**3.143,55**	2428	**1.177,42**	3319	**1.532,60**
3600		4648	**2.580,73**	5141	**2.766,96**	5613	**2.781,18**	6873	**3.286,30**	2571	**1.229,94**	3514	**1.601,95**
3800		4906	**2.686,41**	5427	**2.882,98**	5925	**2.895,87**	7255	**3.429,05**	2714	**1.282,47**	3709	**1.671,29**
4000		5164	**2.792,08**	5712	**2.999,00**	6236	**3.010,56**	7636	**3.571,80**	2856	**1.334,99**	3904	**1.740,64**
4200		5423	**2.897,75**	5998	**3.115,02**	6548	**3.125,25**	8018	**3.714,55**	2999	**1.387,51**	4100	**1.809,99**
4400		5681	**3.003,43**	6284	**3.231,04**	6860	**3.239,94**	8400	**3.857,30**	3142	**1.440,04**	4295	**1.879,33**
4600		5939	**3.109,10**	6569	**3.347,06**	7172	**3.354,62**	8782	**4.000,05**	3285	**1.492,56**	4490	**1.948,68**
4800		6197	**3.214,78**	6855	**3.463,08**	7484	**3.469,31**	9164	**4.142,80**	3428	**1.545,09**	4685	**2.018,02**
5000		6455	**3.320,45**	7140	**3.579,10**	7795	**3.584,00**	9545	**4.285,55**	3570	**1.597,61**	4880	**2.087,37**
5200		6714	**3.426,12**	7426	**3.695,12**	8107	**3.698,69**	9927	**4.428,30**	3713	**1.650,13**	5076	**2.156,72**
5400		6972	**3.531,80**	7712	**3.811,14**	8419	**3.813,38**	10309	**4.571,05**	3856	**1.702,66**	5271	**2.226,06**
5600		7230	**3.637,47**	7997	**3.927,16**	8731	**3.928,06**	10691	**4.713,80**	3999	**1.755,18**	5466	**2.295,41**
5800		7488	**3.743,15**	8283	**4.043,18**	9043	**4.042,75**	11073	**4.856,55**	4142	**1.807,71**	5661	**2.364,75**
6000		7746	**3.848,82**	8568	**4.159,20**	9354	**4.157,44**	11454	**4.999,30**	4284	**1.860,23**	5856	**2.434,10**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

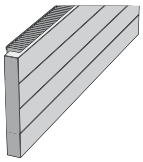
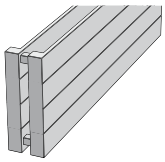
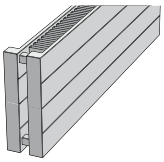
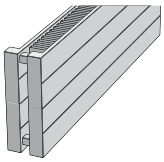
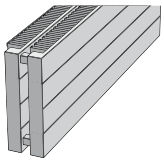
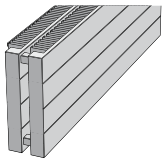
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	700											
													
Model		**HL70/63**		**HH70**		**HLH70/28**		**HLH70/63**		**HLHL70/28**		**HLHL70/63**	
Depth	mm	63		100		100		100		126		126	
Height of fins	mm	624		-		274		624		274		624	
Exponent	n	1,25		1,29		1,38		1,35		1,37		1,32	
Basic price	**€**	**353,72**		**700,62**		**799,62**		**799,35**		**796,58**		**796,58**	
Price/metre	**€**	**371,43**		**534,67**		**636,73**		**692,22**		**648,95**		**796,58**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		577	**539,44**	602	**967,96**	691	**1.117,99**	749	**1.145,46**	822	**1.121,06**	1000	**1.194,87**
600		693	**576,58**	722	**1.021,42**	829	**1.181,66**	899	**1.214,68**	986	**1.185,95**	1200	**1.274,53**
700		808	**613,72**	843	**1.074,89**	967	**1.245,33**	1048	**1.283,90**	1151	**1.250,85**	1400	**1.354,19**
800		924	**650,86**	963	**1.128,36**	1105	**1.309,00**	1198	**1.353,13**	1315	**1.315,74**	1600	**1.433,84**
900		1039	**688,01**	1083	**1.181,82**	1243	**1.372,68**	1348	**1.422,35**	1479	**1.380,64**	1800	**1.513,50**
1000		1154	**725,15**	1203	**1.235,29**	1381	**1.436,35**	1497	**1.491,57**	1643	**1.445,53**	1999	**1.593,16**
1100		1270	**762,29**	1324	**1.288,76**	1520	**1.500,02**	1647	**1.560,79**	1808	**1.510,43**	2199	**1.672,82**
1200		1385	**799,44**	1444	**1.342,22**	1658	**1.563,70**	1797	**1.630,01**	1972	**1.575,32**	2399	**1.752,48**
1300		1501	**836,58**	1564	**1.395,69**	1796	**1.627,37**	1947	**1.699,24**	2136	**1.640,22**	2599	**1.832,13**
1400		1616	**873,72**	1685	**1.449,16**	1934	**1.691,04**	2096	**1.768,46**	2301	**1.705,11**	2799	**1.911,79**
1500		1731	**910,87**	1805	**1.502,63**	2072	**1.754,72**	2246	**1.837,68**	2465	**1.770,01**	2999	**1.991,45**
1600		1847	**948,01**	1925	**1.556,09**	2210	**1.818,39**	2396	**1.906,90**	2629	**1.834,90**	3199	**2.071,11**
1700		1962	**985,15**	2046	**1.609,56**	2348	**1.882,06**	2545	**1.976,12**	2794	**1.899,80**	3399	**2.150,77**
1800		2078	**1.022,29**	2166	**1.663,03**	2486	**1.945,73**	2695	**2.045,35**	2958	**1.964,69**	3599	**2.230,42**
1900		2193	**1.059,44**	2286	**1.716,49**	2624	**2.009,41**	2845	**2.114,57**	3122	**2.029,59**	3799	**2.310,08**
2000		2308	**1.096,58**	2406	**1.769,96**	2762	**2.073,08**	2994	**2.183,79**	3286	**2.094,48**	3998	**2.389,74**
2200		2539	**1.170,87**	2647	**1.876,89**	3039	**2.200,43**	3294	**2.322,23**	3615	**2.224,27**	4398	**2.549,06**
2400		2770	**1.245,15**	2888	**1.983,83**	3315	**2.327,77**	3593	**2.460,68**	3944	**2.354,06**	4798	**2.708,37**
2600		3001	**1.319,44**	3128	**2.090,76**	3591	**2.455,12**	3893	**2.599,12**	4272	**2.483,85**	5198	**2.867,69**
2800		3232	**1.393,72**	3369	**2.197,70**	3867	**2.582,46**	4192	**2.737,57**	4601	**2.613,64**	5598	**3.027,00**
3000		3462	**1.468,01**	3609	**2.304,63**	4143	**2.709,81**	4491	**2.876,01**	4929	**2.743,43**	5997	**3.186,32**
3200		3693	**1.542,30**	3850	**2.411,56**	4420	**2.837,16**	4791	**3.014,45**	5258	**2.873,22**	6397	**3.345,64**
3400		3924	**1.616,58**	4091	**2.518,50**	4696	**2.964,50**	5090	**3.152,90**	5587	**3.003,01**	6797	**3.504,95**
3600		4155	**1.690,87**	4331	**2.625,43**	4972	**3.091,85**	5390	**3.291,34**	5915	**3.132,80**	7197	**3.664,27**
3800		4386	**1.765,15**	4572	**2.732,37**	5248	**3.219,19**	5689	**3.429,79**	6244	**3.262,59**	7597	**3.823,58**
4000		4616	**1.839,44**	4812	**2.839,30**	5524	**3.346,54**	5988	**3.568,23**	6572	**3.392,38**	7996	**3.982,90**
4200		4847	**1.913,73**	5053	**2.946,23**	5801	**3.473,89**	6288	**3.706,67**	6901	**3.522,17**	8396	**4.142,22**
4400		5078	**1.988,01**	5294	**3.053,17**	6077	**3.601,23**	6587	**3.845,12**	7230	**3.651,96**	8796	**4.301,53**
4600		5309	**2.062,30**	5534	**3.160,10**	6353	**3.728,58**	6887	**3.983,56**	7558	**3.781,75**	9196	**4.460,85**
4800		5540	**2.136,58**	5775	**3.267,04**	6629	**3.855,92**	7186	**4.122,01**	7887	**3.911,54**	9596	**4.620,16**
5000		5770	**2.210,87**	6015	**3.373,97**	6905	**3.983,27**	7485	**4.260,45**	8215	**4.041,33**	9995	**4.779,48**
5200		6001	**2.285,16**	6256	**3.480,90**	7182	**4.110,62**	7785	**4.398,89**	8544	**4.171,12**	10395	**4.938,80**
5400		6232	**2.359,44**	6497	**3.587,84**	7458	**4.237,96**	8084	**4.537,34**	8873	**4.300,91**	10795	**5.098,11**
5600		6463	**2.433,73**	6737	**3.694,77**	7734	**4.365,31**	8384	**4.675,78**	9201	**4.430,70**	11195	**5.257,43**
5800		6694	**2.508,01**	6978	**3.801,71**	8010	**4.492,65**	8683	**4.814,23**	9530	**4.560,49**	11595	**5.416,74**
6000		6924	**2.582,30**	7218	**3.908,64**	8286	**4.620,00**	8982	**4.952,67**	9858	**4.690,28**	11994	**5.576,06**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

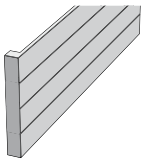
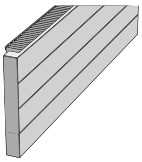
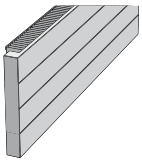
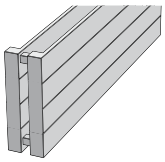
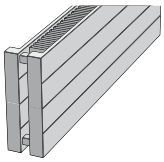
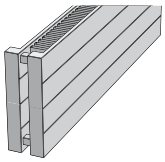
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	770											
													
Model		**H77**		**HL77/28**		**HL77/63**		**HH77**		**HLH77/28**		**HLH77/63**	
Depth	mm	38		63		63		100		100		100	
Height of fins	mm	-		274		624		-		274		624	
Exponent	n	1,25		1,29		1,26		1,29		1,38		1,34	
Basic price	**€**	**310,01**		**334,63**		**334,63**		**719,48**		**863,79**		**864,32**	
Price/metre	**€**	**274,24**		**351,99**		**390,41**		**599,55**		**706,57**		**733,88**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		389	**447,13**	517	**510,63**	607	**529,84**	652	**1.019,26**	736	**1.217,08**	806	**1.231,26**
600		467	**474,55**	620	**545,82**	728	**568,88**	783	**1.079,21**	883	**1.287,73**	968	**1.304,65**
700		545	**501,98**	724	**581,02**	850	**607,92**	913	**1.139,17**	1030	**1.358,39**	1129	**1.378,04**
800		623	**529,40**	827	**616,22**	971	**646,96**	1044	**1.199,12**	1177	**1.429,05**	1290	**1.451,42**
900		701	**556,83**	930	**651,42**	1092	**686,00**	1174	**1.259,08**	1324	**1.499,70**	1451	**1.524,81**
1000		778	**584,25**	1033	**686,62**	1213	**725,04**	1304	**1.319,03**	1471	**1.570,36**	1612	**1.598,20**
1100		856	**611,67**	1137	**721,82**	1335	**764,08**	1435	**1.378,99**	1619	**1.641,02**	1774	**1.671,59**
1200		934	**639,10**	1240	**757,02**	1456	**803,12**	1565	**1.438,94**	1766	**1.711,67**	1935	**1.744,98**
1300		1012	**666,52**	1343	**792,22**	1577	**842,16**	1696	**1.498,90**	1913	**1.782,33**	2096	**1.818,36**
1400		1090	**693,95**	1447	**827,42**	1699	**881,20**	1826	**1.558,85**	2060	**1.852,99**	2257	**1.891,75**
1500		1167	**721,37**	1550	**862,62**	1820	**920,25**	1956	**1.618,81**	2207	**1.923,65**	2418	**1.965,14**
1600		1245	**748,79**	1653	**897,81**	1941	**959,29**	2087	**1.678,76**	2354	**1.994,30**	2580	**2.038,53**
1700		1323	**776,22**	1757	**933,01**	2063	**998,33**	2217	**1.738,72**	2501	**2.064,96**	2741	**2.111,92**
1800		1401	**803,64**	1860	**968,21**	2184	**1.037,37**	2348	**1.798,67**	2648	**2.135,62**	2902	**2.185,30**
1900		1479	**831,07**	1963	**1.003,41**	2305	**1.076,41**	2478	**1.858,63**	2795	**2.206,27**	3063	**2.258,69**
2000		1556	**858,49**	2066	**1.038,61**	2426	**1.115,45**	2608	**1.918,58**	2942	**2.276,93**	3224	**2.332,08**
2200		1712	**913,34**	2273	**1.109,01**	2669	**1.193,53**	2869	**2.038,49**	3237	**2.418,24**	3547	**2.478,86**
2400		1868	**968,19**	2480	**1.179,41**	2912	**1.271,61**	3130	**2.158,40**	3531	**2.559,56**	3869	**2.625,63**
2600		2023	**1.023,03**	2686	**1.249,80**	3154	**1.349,70**	3391	**2.278,31**	3825	**2.700,87**	4192	**2.772,41**
2800		2179	**1.077,88**	2893	**1.320,20**	3397	**1.427,78**	3652	**2.398,22**	4119	**2.842,19**	4514	**2.919,18**
3000		2334	**1.132,73**	3099	**1.390,60**	3639	**1.505,86**	3912	**2.518,13**	4413	**2.983,50**	4836	**3.065,96**
3200		2490	**1.187,58**	3306	**1.461,00**	3882	**1.583,94**	4173	**2.638,04**	4708	**3.124,81**	5159	**3.212,74**
3400		2646	**1.242,43**	3513	**1.531,40**	4125	**1.662,02**	4434	**2.757,95**	5002	**3.266,13**	5481	**3.359,51**
3600		2801	**1.297,27**	3719	**1.601,79**	4367	**1.740,11**	4695	**2.877,86**	5296	**3.407,44**	5804	**3.506,29**
3800		2957	**1.352,12**	3926	**1.672,19**	4610	**1.818,19**	4956	**2.997,77**	5590	**3.548,76**	6126	**3.653,06**
4000		3112	**1.406,97**	4132	**1.742,59**	4852	**1.896,27**	5216	**3.117,68**	5884	**3.690,07**	6448	**3.799,84**
4200		3268	**1.461,82**	4339	**1.812,99**	5095	**1.974,35**	5477	**3.237,59**	6179	**3.831,38**	6771	**3.946,62**
4400		3424	**1.516,67**	4546	**1.883,39**	5338	**2.052,43**	5738	**3.357,50**	6473	**3.972,70**	7093	**4.093,39**
4600		3579	**1.571,51**	4752	**1.953,78**	5580	**2.130,52**	5999	**3.477,41**	6767	**4.114,01**	7416	**4.240,17**
4800		3735	**1.626,36**	4959	**2.024,18**	5823	**2.208,60**	6260	**3.597,32**	7061	**4.255,33**	7738	**4.386,94**
5000		3890	**1.681,21**	5165	**2.094,58**	6065	**2.286,68**	6520	**3.717,23**	7355	**4.396,64**	8060	**4.533,72**
5200		4046	**1.736,06**	5372	**2.164,98**	6308	**2.364,76**	6781	**3.837,14**	7650	**4.537,95**	8383	**4.680,50**
5400		4202	**1.790,91**	5579	**2.235,38**	6551	**2.442,84**	7042	**3.957,05**	7944	**4.679,27**	8705	**4.827,27**
5600		4357	**1.845,75**	5785	**2.305,77**	6793	**2.520,93**	7303	**4.076,96**	8238	**4.820,58**	9028	**4.974,05**
5800		4513	**1.900,60**	5992	**2.376,17**	7036	**2.599,01**	7564	**4.196,87**	8532	**4.961,90**	9350	**5.120,82**
6000		4668	**1.955,45**	6198	**2.446,57**	7278	**2.677,09**	7824	**4.316,78**	8826	**5.103,21**	9672	**5.267,60**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

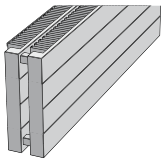
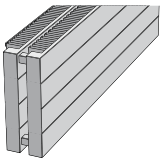
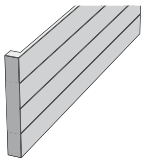
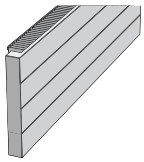
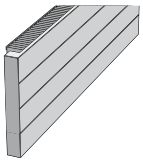
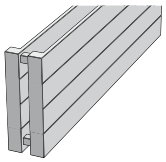
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	770				840							
													
Model		**HLHL77/28**		**HLHL77/63**		**H84**		**HL84/28**		**HL84/63**		**HH84**	
Depth	mm	126		126		38		63		63		100	
Height of fins	mm	274		624		-		274		624		-	
Exponent	n	1,37		1,33		1,25		1,29		1,26		1,29	
Basic price	**€**	**902,47**		**902,47**		**335,12**		**350,35**		**350,35**		**817,68**	
Price/metre	**€**	**748,18**		**805,77**		**296,44**		**383,82**		**408,74**		**602,50**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		863	**1.276,56**	1052	**1.305,36**	421	**483,34**	545	**542,26**	635	**554,72**	702	**1.118,93**
600		1036	**1.351,38**	1262	**1.385,93**	505	**512,98**	654	**580,64**	762	**595,59**	843	**1.179,18**
700		1209	**1.426,20**	1473	**1.466,51**	589	**542,63**	763	**619,02**	889	**636,47**	983	**1.239,43**
800		1381	**1.501,01**	1683	**1.547,09**	673	**572,27**	872	**657,41**	1016	**677,34**	1124	**1.299,68**
900		1554	**1.575,83**	1893	**1.627,66**	757	**601,92**	981	**695,79**	1143	**718,22**	1264	**1.359,93**
1000		1726	**1.650,65**	2103	**1.708,24**	841	**631,56**	1090	**734,17**	1270	**759,09**	1404	**1.420,18**
1100		1899	**1.725,47**	2314	**1.788,82**	926	**661,20**	1199	**772,55**	1397	**799,96**	1545	**1.480,43**
1200		2072	**1.800,29**	2524	**1.869,39**	1010	**690,85**	1308	**810,93**	1524	**840,84**	1685	**1.540,68**
1300		2244	**1.875,10**	2734	**1.949,97**	1094	**720,49**	1417	**849,32**	1651	**881,71**	1826	**1.600,93**
1400		2417	**1.949,92**	2945	**2.030,55**	1178	**750,14**	1526	**887,70**	1778	**922,59**	1966	**1.661,18**
1500		2589	**2.024,74**	3155	**2.111,13**	1262	**779,78**	1635	**926,08**	1905	**963,46**	2106	**1.721,43**
1600		2762	**2.099,56**	3365	**2.191,70**	1346	**809,42**	1744	**964,46**	2032	**1.004,33**	2247	**1.781,68**
1700		2935	**2.174,38**	3576	**2.272,28**	1430	**839,07**	1853	**1.002,84**	2159	**1.045,21**	2387	**1.841,93**
1800		3107	**2.249,19**	3786	**2.352,86**	1514	**868,71**	1962	**1.041,23**	2286	**1.086,08**	2528	**1.902,18**
1900		3280	**2.324,01**	3996	**2.433,43**	1598	**898,36**	2071	**1.079,61**	2413	**1.126,96**	2668	**1.962,43**
2000		3452	**2.398,83**	4206	**2.514,01**	1682	**928,00**	2180	**1.117,99**	2540	**1.167,83**	2808	**2.022,68**
2200		3798	**2.548,47**	4627	**2.675,16**	1851	**987,29**	2398	**1.194,75**	2794	**1.249,58**	3089	**2.143,18**
2400		4143	**2.698,10**	5048	**2.836,32**	2019	**1.046,58**	2616	**1.271,52**	3048	**1.331,33**	3370	**2.263,68**
2600		4488	**2.847,74**	5468	**2.997,47**	2187	**1.105,86**	2834	**1.348,28**	3302	**1.413,07**	3651	**2.384,18**
2800		4833	**2.997,37**	5889	**3.158,63**	2355	**1.165,15**	3052	**1.425,05**	3556	**1.494,82**	3932	**2.504,68**
3000		5178	**3.147,01**	6309	**3.319,78**	2523	**1.224,44**	3270	**1.501,81**	3810	**1.576,57**	4212	**2.625,18**
3200		5524	**3.296,65**	6730	**3.480,93**	2692	**1.283,73**	3488	**1.578,57**	4064	**1.658,32**	4493	**2.745,68**
3400		5869	**3.446,28**	7151	**3.642,09**	2860	**1.343,02**	3706	**1.655,34**	4318	**1.740,07**	4774	**2.866,18**
3600		6214	**3.595,92**	7571	**3.803,24**	3028	**1.402,30**	3924	**1.732,10**	4572	**1.821,81**	5055	**2.986,68**
3800		6559	**3.745,55**	7992	**3.964,40**	3196	**1.461,59**	4142	**1.808,87**	4826	**1.903,56**	5336	**3.107,18**
4000		6904	**3.895,19**	8412	**4.125,55**	3364	**1.520,88**	4360	**1.885,63**	5080	**1.985,31**	5616	**3.227,68**
4200		7250	**4.044,83**	8833	**4.286,70**	3533	**1.580,17**	4578	**1.962,39**	5334	**2.067,06**	5897	**3.348,18**
4400		7595	**4.194,46**	9254	**4.447,86**	3701	**1.639,46**	4796	**2.039,16**	5588	**2.148,81**	6178	**3.468,68**
4600		7940	**4.344,10**	9674	**4.609,01**	3869	**1.698,74**	5014	**2.115,92**	5842	**2.230,55**	6459	**3.589,18**
4800		8285	**4.493,73**	10095	**4.770,17**	4037	**1.758,03**	5232	**2.192,69**	6096	**2.312,30**	6740	**3.709,68**
5000		8630	**4.643,37**	10515	**4.931,32**	4205	**1.817,32**	5450	**2.269,45**	6350	**2.394,05**	7020	**3.830,18**
5200		8976	**4.793,01**	10936	**5.092,47**	4374	**1.876,61**	5668	**2.346,21**	6604	**2.475,80**	7301	**3.950,68**
5400		9321	**4.942,64**	11357	**5.253,63**	4542	**1.935,90**	5886	**2.422,98**	6858	**2.557,55**	7582	**4.071,18**
5600		9666	**5.092,28**	11777	**5.414,78**	4710	**1.995,18**	6104	**2.499,74**	7112	**2.639,29**	7863	**4.191,68**
5800		10011	**5.241,91**	12198	**5.575,94**	4878	**2.054,47**	6322	**2.576,51**	7366	**2.721,04**	8144	**4.312,18**
6000		10356	**5.391,55**	12618	**5.737,09**	5046	**2.113,76**	6540	**2.653,27**	7620	**2.802,79**	8424	**4.432,68**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

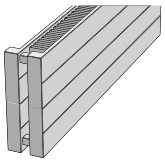
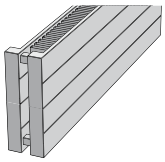
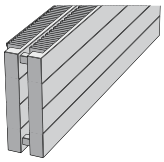
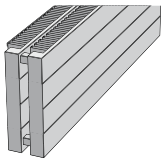
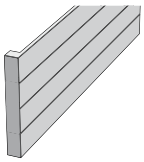
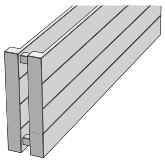
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	840								910			
													
Model		**HLH84/28**		**HLH84/63**		**HLHL84/28**		**HLHL84/63**		**H91**		**HH91**	
Depth	mm	100		100		126		126		38		100	
Height of fins	mm	274		624		274		624		-		-	
Exponent	n	1,39		1,32		1,38		1,33		1,25		1,29	
Basic price	**€**	**824,43**		**824,43**		**966,91**		**964,97**		**332,51**		**829,82**	
Price/metre	**€**	**686,82**		**714,08**		**869,03**		**929,72**		**332,51**		**668,46**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		781	**1.167,84**	861	**1.181,47**	905	**1.401,43**	1101	**1.429,83**	452	**498,77**	752	**1.164,05**
600		937	**1.236,52**	1034	**1.252,88**	1086	**1.488,33**	1322	**1.522,80**	543	**532,02**	903	**1.230,90**
700		1093	**1.305,20**	1206	**1.324,29**	1267	**1.575,23**	1542	**1.615,77**	633	**565,27**	1053	**1.297,74**
800		1249	**1.373,89**	1378	**1.395,69**	1448	**1.662,13**	1762	**1.708,75**	724	**598,52**	1204	**1.364,59**
900		1405	**1.442,57**	1550	**1.467,10**	1629	**1.749,04**	1982	**1.801,72**	814	**631,77**	1354	**1.431,43**
1000		1561	**1.511,25**	1722	**1.538,51**	1809	**1.835,94**	2202	**1.894,69**	904	**665,02**	1504	**1.498,28**
1100		1718	**1.579,93**	1895	**1.609,92**	1990	**1.922,84**	2423	**1.987,66**	995	**698,27**	1655	**1.565,13**
1200		1874	**1.648,61**	2067	**1.681,33**	2171	**2.009,75**	2643	**2.080,63**	1085	**731,52**	1805	**1.631,97**
1300		2030	**1.717,30**	2239	**1.752,73**	2352	**2.096,65**	2863	**2.173,61**	1176	**764,77**	1956	**1.698,82**
1400		2186	**1.785,98**	2411	**1.824,14**	2533	**2.183,55**	3083	**2.266,58**	1266	**798,02**	2106	**1.765,66**
1500		2342	**1.854,66**	2583	**1.895,55**	2714	**2.270,46**	3303	**2.359,55**	1356	**831,28**	2256	**1.832,51**
1600		2498	**1.923,34**	2756	**1.966,96**	2895	**2.357,36**	3524	**2.452,52**	1447	**864,53**	2407	**1.899,36**
1700		2654	**1.992,02**	2928	**2.038,37**	3076	**2.444,26**	3744	**2.545,49**	1537	**897,78**	2557	**1.966,20**
1800		2810	**2.060,71**	3100	**2.109,77**	3257	**2.531,16**	3964	**2.638,47**	1628	**931,03**	2708	**2.033,05**
1900		2966	**2.129,39**	3272	**2.181,18**	3438	**2.618,07**	4184	**2.731,44**	1718	**964,28**	2858	**2.099,89**
2000		3122	**2.198,07**	3444	**2.252,59**	3618	**2.704,97**	4404	**2.824,41**	1808	**997,53**	3008	**2.166,74**
2200		3435	**2.335,43**	3789	**2.395,41**	3980	**2.878,78**	4845	**3.010,35**	1989	**1.064,03**	3309	**2.300,43**
2400		3747	**2.472,80**	4133	**2.538,22**	4342	**3.052,58**	5285	**3.196,30**	2170	**1.130,53**	3610	**2.434,12**
2600		4059	**2.610,16**	4478	**2.681,04**	4704	**3.226,39**	5726	**3.382,24**	2351	**1.197,04**	3911	**2.567,82**
2800		4371	**2.747,53**	4822	**2.823,85**	5066	**3.400,19**	6166	**3.568,19**	2532	**1.263,54**	4212	**2.701,51**
3000		4683	**2.884,89**	5166	**2.966,67**	5427	**3.574,00**	6606	**3.754,13**	2712	**1.330,04**	4512	**2.835,20**
3200		4996	**3.022,25**	5511	**3.109,49**	5789	**3.747,81**	7047	**3.940,07**	2893	**1.396,54**	4813	**2.968,89**
3400		5308	**3.159,62**	5855	**3.252,30**	6151	**3.921,61**	7487	**4.126,02**	3074	**1.463,04**	5114	**3.102,58**
3600		5620	**3.296,98**	6200	**3.395,12**	6513	**4.095,42**	7928	**4.311,96**	3255	**1.529,55**	5415	**3.236,28**
3800		5932	**3.434,35**	6544	**3.537,93**	6875	**4.269,22**	8368	**4.497,91**	3436	**1.596,05**	5716	**3.369,97**
4000		6244	**3.571,71**	6888	**3.680,75**	7236	**4.443,03**	8808	**4.683,85**	3616	**1.662,55**	6016	**3.503,66**
4200		6557	**3.709,07**	7233	**3.823,57**	7598	**4.616,84**	9249	**4.869,79**	3797	**1.729,05**	6317	**3.637,35**
4400		6869	**3.846,44**	7577	**3.966,38**	7960	**4.790,64**	9689	**5.055,74**	3978	**1.795,55**	6618	**3.771,04**
4600		7181	**3.983,80**	7922	**4.109,20**	8322	**4.964,45**	10130	**5.241,68**	4159	**1.862,06**	6919	**3.904,74**
4800		7493	**4.121,17**	8266	**4.252,01**	8684	**5.138,25**	10570	**5.427,63**	4340	**1.928,56**	7220	**4.038,43**
5000		7805	**4.258,53**	8610	**4.394,83**	9045	**5.312,06**	11010	**5.613,57**	4520	**1.995,06**	7520	**4.172,12**
5200		8118	**4.395,89**	8955	**4.537,65**	9407	**5.485,87**	11451	**5.799,51**	4701	**2.061,56**	7821	**4.305,81**
5400		8430	**4.533,26**	9299	**4.680,46**	9769	**5.659,67**	11891	**5.985,46**	4882	**2.128,06**	8122	**4.439,50**
5600		8742	**4.670,62**	9644	**4.823,28**	10131	**5.833,48**	12332	**6.171,40**	5063	**2.194,57**	8423	**4.573,20**
5800		9054	**4.807,99**	9988	**4.966,09**	10493	**6.007,28**	12772	**6.357,35**	5244	**2.261,07**	8724	**4.706,89**
6000		9366	**4.945,35**	10332	**5.108,91**	10854	**6.181,09**	13212	**6.543,29**	5424	**2.327,57**	9024	**4.840,58**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

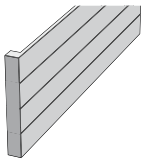
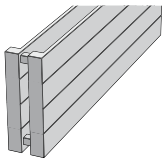
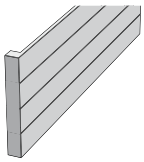
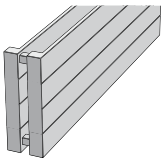
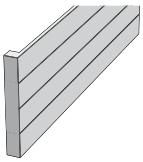
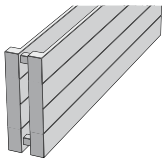
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	980				1050				1120			
													
Model		**H98**		**HH98**		**H105**		**HH105**		**H112**		**HH112**	
Depth	mm	38		100		38		100		38		100	
Height of fins	mm	-		-		-		-		-		-	
Exponent	n	1,25		1,29		1,25		1,30		1,26		1,30	
Basic price	**€**	**355,69**		**884,44**		**378,84**		**886,89**		**401,69**		**938,47**	
Price/metre	**€**	**355,69**		**712,48**		**378,84**		**782,56**		**401,69**		**828,06**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		484	**533,54**	802	**1.240,68**	515	**568,26**	851	**1.278,17**	546	**602,54**	901	**1.352,50**
600		581	**569,10**	962	**1.311,93**	618	**606,14**	1022	**1.356,43**	656	**642,70**	1081	**1.435,31**
700		677	**604,67**	1123	**1.383,18**	721	**644,03**	1192	**1.434,68**	765	**682,87**	1261	**1.518,11**
800		774	**640,24**	1283	**1.454,42**	824	**681,91**	1362	**1.512,94**	874	**723,04**	1441	**1.600,92**
900		871	**675,81**	1443	**1.525,67**	927	**719,80**	1532	**1.591,19**	983	**763,21**	1621	**1.683,72**
1000		967	**711,38**	1603	**1.596,92**	1030	**757,68**	1702	**1.669,45**	1092	**803,38**	1801	**1.766,53**
1100		1064	**746,95**	1764	**1.668,17**	1133	**795,56**	1873	**1.747,71**	1202	**843,55**	1982	**1.849,34**
1200		1161	**782,52**	1924	**1.739,42**	1236	**833,45**	2043	**1.825,96**	1311	**883,72**	2162	**1.932,14**
1300		1258	**818,09**	2084	**1.810,66**	1339	**871,33**	2213	**1.904,22**	1420	**923,89**	2342	**2.014,95**
1400		1354	**853,66**	2245	**1.881,91**	1442	**909,22**	2383	**1.982,47**	1529	**964,06**	2522	**2.097,75**
1500		1451	**889,23**	2405	**1.953,16**	1545	**947,10**	2553	**2.060,73**	1638	**1.004,23**	2702	**2.180,56**
1600		1548	**924,79**	2565	**2.024,41**	1648	**984,98**	2724	**2.138,99**	1748	**1.044,39**	2882	**2.263,37**
1700		1644	**960,36**	2726	**2.095,66**	1751	**1.022,87**	2894	**2.217,24**	1857	**1.084,56**	3062	**2.346,17**
1800		1741	**995,93**	2886	**2.166,90**	1854	**1.060,75**	3064	**2.295,50**	1966	**1.124,73**	3242	**2.428,98**
1900		1838	**1.031,50**	3046	**2.238,15**	1957	**1.098,64**	3234	**2.373,75**	2075	**1.164,90**	3422	**2.511,78**
2000		1934	**1.067,07**	3206	**2.309,40**	2060	**1.136,52**	3404	**2.452,01**	2184	**1.205,07**	3602	**2.594,59**
2200		2128	**1.138,21**	3527	**2.451,90**	2266	**1.212,29**	3745	**2.608,52**	2403	**1.285,41**	3963	**2.760,20**
2400		2321	**1.209,35**	3848	**2.594,39**	2472	**1.288,06**	4085	**2.765,03**	2621	**1.365,75**	4323	**2.925,81**
2600		2515	**1.280,48**	4168	**2.736,89**	2678	**1.363,82**	4426	**2.921,55**	2840	**1.446,08**	4683	**3.091,43**
2800		2708	**1.351,62**	4489	**2.879,38**	2884	**1.439,59**	4766	**3.078,06**	3058	**1.526,42**	5043	**3.257,04**
3000		2901	**1.422,76**	4809	**3.021,88**	3090	**1.515,36**	5106	**3.234,57**	3276	**1.606,76**	5403	**3.422,65**
3200		3095	**1.493,90**	5130	**3.164,38**	3296	**1.591,13**	5447	**3.391,08**	3495	**1.687,10**	5764	**3.588,26**
3400		3288	**1.565,04**	5451	**3.306,87**	3502	**1.666,90**	5787	**3.547,59**	3713	**1.767,44**	6124	**3.753,87**
3600		3482	**1.636,17**	5771	**3.449,37**	3708	**1.742,66**	6128	**3.704,11**	3932	**1.847,77**	6484	**3.919,49**
3800		3675	**1.707,31**	6092	**3.591,86**	3914	**1.818,43**	6468	**3.860,62**	4150	**1.928,11**	6844	**4.085,10**
4000		3868	**1.778,45**	6412	**3.734,36**	4120	**1.894,20**	6808	**4.017,13**	4368	**2.008,45**	7204	**4.250,71**
4200		4062	**1.849,59**	6733	**3.876,86**	4326	**1.969,97**	7149	**4.173,64**	4587	**2.088,79**	7565	**4.416,32**
4400		4255	**1.920,73**	7054	**4.019,35**	4532	**2.045,74**	7489	**4.330,15**	4805	**2.169,13**	7925	**4.581,93**
4600		4449	**1.991,86**	7374	**4.161,85**	4738	**2.121,50**	7830	**4.486,67**	5024	**2.249,46**	8285	**4.747,55**
4800		4642	**2.063,00**	7695	**4.304,34**	4944	**2.197,27**	8170	**4.643,18**	5242	**2.329,80**	8645	**4.913,16**
5000		4835	**2.134,14**	8015	**4.446,84**	5150	**2.273,04**	8510	**4.799,69**	5460	**2.410,14**	9005	**5.078,77**
5200		5029	**2.205,28**	8336	**4.589,34**	5356	**2.348,81**	8851	**4.956,20**	5679	**2.490,48**	9366	**5.244,38**
5400		5222	**2.276,42**	8657	**4.731,83**	5562	**2.424,58**	9191	**5.112,71**	5897	**2.570,82**	9726	**5.409,99**
5600		5416	**2.347,55**	8977	**4.874,33**	5768	**2.500,34**	9532	**5.269,23**	6116	**2.651,15**	10086	**5.575,61**
5800		5609	**2.418,69**	9298	**5.016,82**	5974	**2.576,11**	9872	**5.425,74**	6334	**2.731,49**	10446	**5.741,22**
6000		5802	**2.489,83**	9618	**5.159,32**	6180	**2.651,88**	10212	**5.582,25**	6552	**2.811,83**	10806	**5.906,83**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

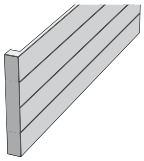
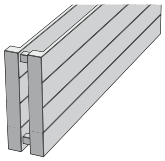
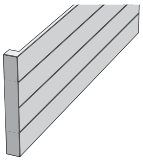
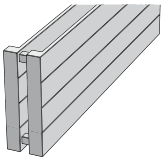
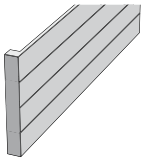
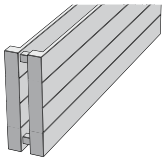
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1190				1260				1330			
													
Model		**H119**		**HH119**		**H126**		**HH126**		**H133**		**HH133**	
Depth	mm	38		100		38		100		38		100	
Height of fins	mm	-		-		-		-		-		-	
Exponent	n	1,26		1,30		1,26		1,30		1,26		1,30	
Basic price	**€**	**424,48**		**1.057,96**		**486,23**		**1.098,81**		**506,75**		**1.140,02**	
Price/metre	**€**	**406,81**		**908,93**		**479,72**		**959,49**		**509,28**		**1.019,24**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		577	**627,89**	950	**1.512,43**	608	**726,09**	1000	**1.578,56**	639	**761,39**	1049	**1.649,64**
600		693	**668,57**	1140	**1.603,32**	730	**774,06**	1200	**1.674,50**	767	**812,32**	1259	**1.751,56**
700		808	**709,25**	1330	**1.694,21**	852	**822,03**	1400	**1.770,45**	895	**863,25**	1469	**1.853,49**
800		924	**749,93**	1520	**1.785,10**	973	**870,01**	1600	**1.866,40**	1023	**914,17**	1679	**1.955,41**
900		1039	**790,61**	1710	**1.876,00**	1095	**917,98**	1800	**1.962,35**	1151	**965,10**	1889	**2.057,34**
1000		1154	**831,29**	1900	**1.966,89**	1216	**965,95**	1999	**2.058,30**	1278	**1.016,03**	2098	**2.159,26**
1100		1270	**871,97**	2090	**2.057,78**	1338	**1.013,92**	2199	**2.154,25**	1406	**1.066,96**	2308	**2.261,18**
1200		1385	**912,65**	2280	**2.148,68**	1460	**1.061,89**	2399	**2.250,20**	1534	**1.117,89**	2518	**2.363,11**
1300		1501	**953,33**	2470	**2.239,57**	1581	**1.109,87**	2599	**2.346,15**	1662	**1.168,81**	2728	**2.465,03**
1400		1616	**994,01**	2660	**2.330,46**	1703	**1.157,84**	2799	**2.442,10**	1790	**1.219,74**	2938	**2.566,96**
1500		1731	**1.034,70**	2850	**2.421,36**	1824	**1.205,81**	2999	**2.538,05**	1917	**1.270,67**	3147	**2.668,88**
1600		1847	**1.075,38**	3040	**2.512,25**	1946	**1.253,78**	3199	**2.633,99**	2045	**1.321,60**	3357	**2.770,80**
1700		1962	**1.116,06**	3230	**2.603,14**	2068	**1.301,75**	3399	**2.729,94**	2173	**1.372,53**	3567	**2.872,73**
1800		2078	**1.156,74**	3420	**2.694,03**	2189	**1.349,73**	3599	**2.825,89**	2301	**1.423,45**	3777	**2.974,65**
1900		2193	**1.197,42**	3610	**2.784,93**	2311	**1.397,70**	3799	**2.921,84**	2429	**1.474,38**	3987	**3.076,58**
2000		2308	**1.238,10**	3800	**2.875,82**	2432	**1.445,67**	3998	**3.017,79**	2556	**1.525,31**	4196	**3.178,50**
2200		2539	**1.319,46**	4180	**3.057,61**	2676	**1.541,61**	4398	**3.209,69**	2812	**1.627,17**	4616	**3.382,35**
2400		2770	**1.400,82**	4560	**3.239,39**	2919	**1.637,56**	4798	**3.401,59**	3068	**1.729,02**	5036	**3.586,20**
2600		3001	**1.482,19**	4940	**3.421,18**	3162	**1.733,50**	5198	**3.593,48**	3323	**1.830,88**	5455	**3.790,04**
2800		3232	**1.563,55**	5320	**3.602,96**	3405	**1.829,45**	5598	**3.785,38**	3579	**1.932,73**	5875	**3.993,89**
3000		3462	**1.644,91**	5700	**3.784,75**	3648	**1.925,39**	5997	**3.977,28**	3834	**2.034,59**	6294	**4.197,74**
3200		3693	**1.726,27**	6080	**3.966,54**	3892	**2.021,33**	6397	**4.169,18**	4090	**2.136,45**	6714	**4.401,59**
3400		3924	**1.807,63**	6460	**4.148,32**	4135	**2.117,28**	6797	**4.361,08**	4346	**2.238,30**	7134	**4.605,44**
3600		4155	**1.889,00**	6840	**4.330,11**	4378	**2.213,22**	7197	**4.552,97**	4601	**2.340,16**	7553	**4.809,28**
3800		4386	**1.970,36**	7220	**4.511,89**	4621	**2.309,17**	7597	**4.744,87**	4857	**2.442,01**	7973	**5.013,13**
4000		4616	**2.051,72**	7600	**4.693,68**	4864	**2.405,11**	7996	**4.936,77**	5112	**2.543,87**	8392	**5.216,98**
4200		4847	**2.133,08**	7980	**4.875,47**	5108	**2.501,05**	8396	**5.128,67**	5368	**2.645,73**	8812	**5.420,83**
4400		5078	**2.214,44**	8360	**5.057,25**	5351	**2.597,00**	8796	**5.320,57**	5624	**2.747,58**	9232	**5.624,68**
4600		5309	**2.295,81**	8740	**5.239,04**	5594	**2.692,94**	9196	**5.512,46**	5879	**2.849,44**	9651	**5.828,52**
4800		5540	**2.377,17**	9120	**5.420,82**	5837	**2.788,89**	9596	**5.704,36**	6135	**2.951,29**	10071	**6.032,37**
5000		5770	**2.458,53**	9500	**5.602,61**	6080	**2.884,83**	9995	**5.896,26**	6390	**3.053,15**	10490	**6.236,22**
5200		6001	**2.539,89**	9880	**5.784,40**	6324	**2.980,77**	10395	**6.088,16**	6646	**3.155,01**	10910	**6.440,07**
5400		6232	**2.621,25**	10260	**5.966,18**	6567	**3.076,72**	10795	**6.280,06**	6902	**3.256,86**	11330	**6.643,92**
5600		6463	**2.702,62**	10640	**6.147,97**	6810	**3.172,66**	11195	**6.471,95**	7157	**3.358,72**	11749	**6.847,76**
5800		6694	**2.783,98**	11020	**6.329,75**	7053	**3.268,61**	11595	**6.663,85**	7413	**3.460,57**	12169	**7.051,61**
6000		6924	**2.865,34**	11400	**6.511,54**	7296	**3.364,55**	11994	**6.855,75**	7668	**3.562,43**	12588	**7.255,46**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

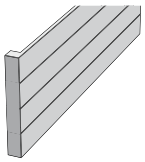
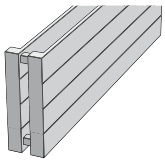
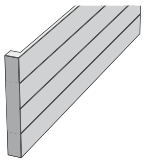
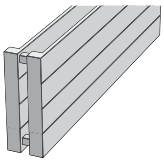
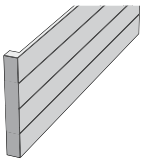
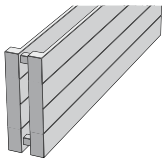
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1400				1470				1540			
													
Model		**H140**		**HH140**		**H147**		**HH147**		**H154**		**HH154**	
Depth	mm	38		100		38		100		38		100	
Height of fins	mm	-		-		-		-		-		-	
Exponent	n	1,26		1,30		1,31		1,30		1,31		1,30	
Basic price	**€**	**492,90**		**1.077,98**		**542,70**		**1.213,09**		**563,55**		**1.254,31**	
Price/metre	**€**	**472,36**		**1.010,59**		**563,55**		**1.127,82**		**589,12**		**1.177,89**	
Length mm		Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**	Φ_s W	**Price €**
500		670	**729,08**	1099	**1.583,28**	695	**824,48**	1149	**1.777,00**	728	**858,11**	1199	**1.843,26**
600		804	**776,32**	1319	**1.684,33**	834	**880,83**	1379	**1.889,78**	874	**917,02**	1439	**1.961,04**
700		938	**823,55**	1539	**1.785,39**	973	**937,19**	1608	**2.002,56**	1020	**975,93**	1678	**2.078,83**
800		1072	**870,79**	1759	**1.886,45**	1112	**993,54**	1838	**2.115,35**	1165	**1.034,85**	1918	**2.196,62**
900		1206	**918,02**	1979	**1.987,51**	1251	**1.049,90**	2068	**2.228,13**	1311	**1.093,76**	2158	**2.314,41**
1000		1340	**965,26**	2198	**2.088,57**	1390	**1.106,25**	2297	**2.340,91**	1456	**1.152,67**	2397	**2.432,20**
1100		1475	**1.012,50**	2418	**2.189,63**	1530	**1.162,61**	2527	**2.453,69**	1602	**1.211,58**	2637	**2.549,99**
1200		1608	**1.059,73**	2638	**2.290,69**	1668	**1.218,96**	2757	**2.566,47**	1748	**1.270,49**	2877	**2.667,78**
1300		1742	**1.106,97**	2858	**2.391,75**	1807	**1.275,32**	2987	**2.679,26**	1893	**1.329,41**	3117	**2.785,57**
1400		1876	**1.154,20**	3078	**2.492,81**	1946	**1.331,67**	3216	**2.792,04**	2039	**1.388,32**	3356	**2.903,36**
1500		2010	**1.201,44**	3297	**2.593,87**	2085	**1.388,03**	3446	**2.904,82**	2184	**1.447,23**	3596	**3.021,15**
1600		2144	**1.248,68**	3517	**2.694,92**	2224	**1.444,38**	3676	**3.017,60**	2330	**1.506,14**	3836	**3.138,93**
1700		2278	**1.295,91**	3737	**2.795,98**	2363	**1.500,74**	3905	**3.130,38**	2476	**1.565,05**	4075	**3.256,72**
1800		2412	**1.343,15**	3957	**2.897,04**	2502	**1.557,09**	4135	**3.243,17**	2621	**1.623,97**	4315	**3.374,51**
1900		2546	**1.390,38**	4177	**2.998,10**	2641	**1.613,45**	4365	**3.355,95**	2767	**1.682,88**	4555	**3.492,30**
2000		2680	**1.437,62**	4396	**3.099,16**	2780	**1.669,80**	4594	**3.468,73**	2912	**1.741,79**	4794	**3.610,09**
2200		2949	**1.532,09**	4836	**3.301,28**	3059	**1.782,51**	5054	**3.694,29**	3204	**1.859,61**	5274	**3.845,67**
2400		3216	**1.626,56**	5276	**3.503,40**	3336	**1.895,22**	5513	**3.919,86**	3495	**1.977,44**	5753	**4.081,25**
2600		3484	**1.721,04**	5715	**3.705,51**	3614	**2.007,93**	5973	**4.145,42**	3786	**2.095,26**	6233	**4.316,82**
2800		3752	**1.815,51**	6155	**3.907,63**	3892	**2.120,64**	6432	**4.370,99**	4077	**2.213,09**	6712	**4.552,40**
3000		4020	**1.909,98**	6594	**4.109,75**	4170	**2.233,35**	6891	**4.596,55**	4368	**2.330,91**	7191	**4.787,98**
3200		4288	**2.004,45**	7034	**4.311,87**	4448	**2.346,06**	7351	**4.822,11**	4660	**2.448,73**	7671	**5.023,56**
3400		4556	**2.098,92**	7474	**4.513,99**	4726	**2.458,77**	7810	**5.047,68**	4951	**2.566,56**	8150	**5.259,14**
3600		4824	**2.193,40**	7913	**4.716,10**	5004	**2.571,48**	8270	**5.273,24**	5242	**2.684,38**	8630	**5.494,71**
3800		5092	**2.287,87**	8353	**4.918,22**	5282	**2.684,19**	8729	**5.498,81**	5533	**2.802,21**	9109	**5.730,29**
4000		5360	**2.382,34**	8792	**5.120,34**	5560	**2.796,90**	9188	**5.724,37**	5824	**2.920,03**	9588	**5.965,87**
4200		5628	**2.476,81**	9232	**5.322,46**	5838	**2.909,61**	9648	**5.949,93**	6116	**3.037,85**	10068	**6.201,45**
4400		5897	**2.571,28**	9672	**5.524,58**	6117	**3.022,32**	10107	**6.175,50**	6407	**3.155,68**	10547	**6.437,03**
4600		6164	**2.665,76**	10111	**5.726,69**	6394	**3.135,03**	10567	**6.401,06**	6698	**3.273,50**	11027	**6.672,60**
4800		6432	**2.760,23**	10551	**5.928,81**	6672	**3.247,74**	11026	**6.626,63**	6989	**3.391,33**	11506	**6.908,18**
5000		6700	**2.854,70**	10990	**6.130,93**	6950	**3.360,45**	11485	**6.852,19**	7280	**3.509,15**	11985	**7.143,76**
5200		6968	**2.949,17**	11430	**6.333,05**	7228	**3.473,16**	11945	**7.077,75**	7572	**3.626,97**	12465	**7.379,34**
5400		7237	**3.043,64**	11870	**6.535,17**	7507	**3.585,87**	12404	**7.303,32**	7863	**3.744,80**	12944	**7.614,92**
5600		7504	**3.138,12**	12309	**6.737,28**	7784	**3.698,58**	12864	**7.528,88**	8154	**3.862,62**	13424	**7.850,49**
5800		7772	**3.232,59**	12749	**6.939,40**	8062	**3.811,29**	13323	**7.754,45**	8445	**3.980,45**	13903	**8.086,07**
6000		8040	**3.327,06**	13188	**7.141,52**	8340	**3.924,00**	13782	**7.980,01**	8736	**4.098,27**	14382	**8.321,65**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

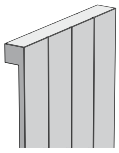
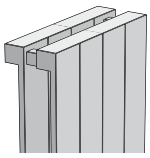
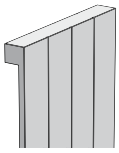
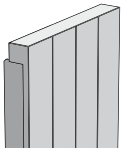
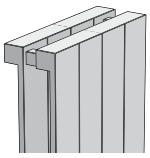
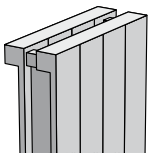
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	600				800							
													
Model		**V060**		**VV060**		**V080**		**VL080**		**VV080**		**VLV080**	
Depth	mm	38		100		38		63		100		100	
Height of fins	mm	-		-		-		274		-		274	
Exponent	n	1,27		1,32		1,27		1,34		1,33		1,35	
Basic price	**€**	**118,66**		**324,12**		**113,88**		**177,71**		**328,30**		**470,18**	
Price/metre	**€**	**469,17**		**900,08**		**561,96**		**645,89**		**1.056,66**		**1.134,13**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140	92	**184,34**	150	**450,13**	117	**192,55**			190	**476,23**		
3	210	137	**217,19**	225	**513,14**	175	**231,89**	246	**313,35**	284	**550,20**	344	**708,35**
4	280	183	**250,03**	299	**576,14**	234	**271,23**	328	**358,56**	379	**624,16**	458	**787,74**
5	350	228	**282,87**	374	**639,15**	292	**310,57**	410	**403,77**	473	**698,13**	573	**867,13**
6	420	274	**315,71**	449	**702,15**	350	**349,90**	492	**448,98**	568	**772,10**	687	**946,51**
7	490	319	**348,55**	523	**765,16**	409	**389,24**	574	**494,20**	662	**846,06**	802	**1.025,90**
8	560	365	**381,40**	598	**828,16**	467	**428,58**	656	**539,41**	757	**920,03**	916	**1.105,29**
9	630	411	**414,24**	673	**891,17**	525	**467,91**	738	**584,62**	852	**994,00**	1031	**1.184,68**
10	700	456	**447,08**	747	**954,18**	584	**507,25**	819	**629,83**	946	**1.067,96**	1145	**1.264,07**
11	770	502	**479,92**	822	**1.017,18**	642	**546,59**	901	**675,05**	1041	**1.141,93**	1260	**1.343,46**
12	840	547	**512,76**	897	**1.080,19**	700	**585,93**	983	**720,26**	1135	**1.215,89**	1374	**1.422,85**
13	910	593	**545,60**	971	**1.143,19**	759	**625,26**	1065	**765,47**	1230	**1.289,86**	1489	**1.502,24**
14	980	638	**578,45**	1046	**1.206,20**	817	**664,60**	1147	**810,68**	1324	**1.363,83**	1603	**1.581,63**
15	1050	684	**611,29**	1121	**1.269,20**	875	**703,94**	1229	**855,89**	1419	**1.437,79**	1718	**1.661,02**
16	1120	730	**644,13**	1196	**1.332,21**	933	**743,28**	1311	**901,11**	1514	**1.511,76**	1832	**1.740,41**
17	1190	775	**676,97**	1270	**1.395,22**	992	**782,61**	1393	**946,32**	1608	**1.585,73**	1946	**1.819,79**
18	1260	821	**709,81**	1345	**1.458,22**	1050	**821,95**	1475	**991,53**	1703	**1.659,69**	2061	**1.899,18**
19	1330	866	**742,66**	1420	**1.521,23**	1108	**861,29**	1557	**1.036,74**	1797	**1.733,66**	2175	**1.978,57**
20	1400	912	**775,50**	1494	**1.584,23**	1167	**900,62**			1892	**1.807,62**		
21	1470	957	**808,34**	1569	**1.647,24**	1225	**939,96**			1986	**1.881,59**		
22	1540	1003	**841,18**	1644	**1.710,24**	1283	**979,30**			2081	**1.955,56**		
23	1610	1049	**874,02**	1718	**1.773,25**	1342	**1.018,64**			2176	**2.029,52**		
24	1680	1094	**906,87**	1793	**1.836,25**	1400	**1.057,97**			2270	**2.103,49**		
25	1750	1140	**939,71**	1868	**1.899,26**	1458	**1.097,31**			2365	**2.177,46**		
26	1820	1185	**972,55**	1942	**1.962,27**	1517	**1.136,65**			2459	**2.251,42**		
27	1890	1231	**1.005,39**	2017	**2.025,27**	1575	**1.175,98**			2554	**2.325,39**		
28	1960	1276	**1.038,23**	2092	**2.088,28**	1633	**1.215,32**			2648	**2.399,35**		
29	2030	1322	**1.071,08**	2167	**2.151,28**	1691	**1.254,66**			2743	**2.473,32**		
30	2100	1368	**1.103,92**	2241	**2.214,29**	1750	**1.294,00**			2838	**2.547,29**		

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

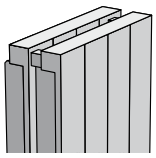
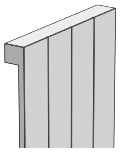
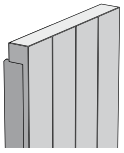
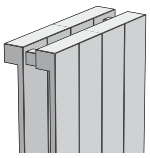
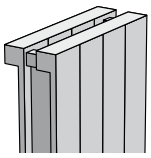
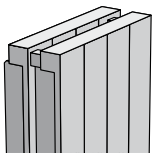
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	800		1000									
													
Model		**VLVL080**		**V100**		**VL100**		**VV100**		**VLV100**		**VLVL100**	
Depth	mm	126		38		63		100		100		126	
Height of fins	mm	274		-		548		-		548		548	
Exponent	n	1,33		1,28		1,34		1,33		1,35		1,33	
Basic price	**€**	**601,27**		**138,47**		**195,07**		**346,39**		**523,45**		**691,16**	
Price/metre	**€**	**1.151,05**		**605,77**		**743,99**		**1.174,12**		**1.299,24**		**1.349,52**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140			142	**223,28**			229	**510,77**				
3	210	419	**842,99**	213	**265,68**	300	**351,31**	343	**592,96**	406	**796,29**	500	**974,56**
4	280	558	**923,56**	284	**308,09**	400	**403,39**	457	**675,14**	541	**887,24**	666	**1.069,03**
5	350	697	**1.004,14**	355	**350,49**	500	**455,47**	571	**757,33**	676	**978,18**	832	**1.163,49**
6	420	837	**1.084,71**	426	**392,89**	600	**507,55**	685	**839,52**	811	**1.069,13**	999	**1.257,96**
7	490	976	**1.165,28**	497	**435,30**	700	**559,63**	799	**921,71**	946	**1.160,08**	1165	**1.352,42**
8	560	1115	**1.245,86**	568	**477,70**	800	**611,70**	913	**1.003,90**	1081	**1.251,02**	1331	**1.446,89**
9	630	1255	**1.326,43**	639	**520,11**	900	**663,78**	1027	**1.086,09**	1216	**1.341,97**	1498	**1.541,36**
10	700	1394	**1.407,01**	710	**562,51**	999	**715,86**	1141	**1.168,27**	1351	**1.432,92**	1664	**1.635,82**
11	770	1533	**1.487,58**	781	**604,91**	1099	**767,94**	1255	**1.250,46**	1486	**1.523,86**	1831	**1.730,29**
12	840	1673	**1.568,15**	851	**647,32**	1199	**820,02**	1369	**1.332,65**	1622	**1.614,81**	1997	**1.824,76**
13	910	1812	**1.648,73**	922	**689,72**	1299	**872,10**	1483	**1.414,84**	1757	**1.705,76**	2163	**1.919,22**
14	980	1951	**1.729,30**	993	**732,12**	1399	**924,18**	1597	**1.497,03**	1892	**1.796,71**	2330	**2.013,69**
15	1050	2091	**1.809,87**	1064	**774,53**	1499	**976,26**	1711	**1.579,22**	2027	**1.887,65**	2496	**2.108,16**
16	1120	2230	**1.890,45**	1135	**816,93**	1599	**1.028,34**	1825	**1.661,40**	2162	**1.978,60**	2662	**2.202,62**
17	1190	2369	**1.971,02**	1206	**859,34**	1699	**1.080,42**	1939	**1.743,59**	2297	**2.069,55**	2829	**2.297,09**
18	1260	2509	**2.051,59**	1277	**901,74**	1799	**1.132,50**	2053	**1.825,78**	2432	**2.160,49**	2995	**2.391,56**
19	1330	2648	**2.132,17**	1348	**944,14**	1898	**1.184,58**	2167	**1.907,97**	2567	**2.251,44**	3162	**2.486,02**
20	1400			1419	**986,55**			2281	**1.990,16**				
21	1470			1490	**1.028,95**			2395	**2.072,35**				
22	1540			1561	**1.071,36**			2509	**2.154,53**				
23	1610			1631	**1.113,76**			2623	**2.236,72**				
24	1680			1702	**1.156,16**			2737	**2.318,91**				
25	1750			1773	**1.198,57**			2851	**2.401,10**				
26	1820			1844	**1.240,97**			2965	**2.483,29**				
27	1890			1915	**1.283,38**			3079	**2.565,48**				
28	1960			1986	**1.325,78**			3193	**2.647,67**				
29	2030			2057	**1.368,18**			3307	**2.729,85**				
30	2100			2128	**1.410,59**			3421	**2.812,04**				

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

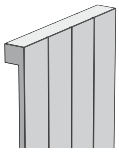
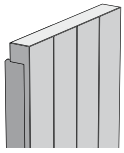
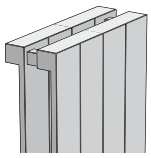
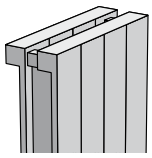
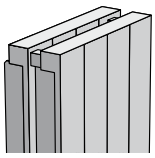
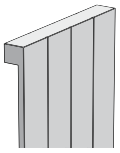
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1200										1400	
													
Model		**V120**		**VL120**		**VV120**		**VLV120**		**VLVL120**		**V140**	
Depth	mm	38		63		100		100		126		38	
Height of fins	mm	-		548		-		548		548		-	
Exponent	n	1,28		1,34		1,33		1,35		1,33		1,29	
Basic price	**€**	**144,98**		**177,67**		**375,14**		**567,40**		**764,01**		**146,29**	
Price/metre	**€**	**676,80**		**871,10**		**1.282,03**		**1.458,77**		**1.540,75**		**759,49**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140	168	**239,73**			266	**554,62**					193	**252,62**
3	210	251	**287,11**	351	**360,60**	399	**644,37**	465	**873,74**	576	**1.087,57**	289	**305,78**
4	280	335	**334,48**	468	**421,58**	532	**734,11**	620	**975,86**	768	**1.195,42**	386	**358,95**
5	350	418	**381,86**	585	**482,56**	665	**823,85**	775	**1.077,97**	959	**1.303,27**	482	**412,11**
6	420	502	**429,24**	702	**543,53**	798	**913,59**	930	**1.180,08**	1151	**1.411,13**	578	**465,28**
7	490	585	**476,61**	819	**604,51**	931	**1.003,33**	1085	**1.282,20**	1343	**1.518,98**	675	**518,44**
8	560	669	**523,99**	936	**665,49**	1064	**1.093,08**	1240	**1.384,31**	1535	**1.626,83**	771	**571,60**
9	630	752	**571,36**	1053	**726,46**	1197	**1.182,82**	1395	**1.486,43**	1727	**1.734,68**	867	**624,77**
10	700	836	**618,74**	1170	**787,44**	1330	**1.272,56**	1550	**1.588,54**	1918	**1.842,54**	964	**677,93**
11	770	919	**666,12**	1287	**848,42**	1463	**1.362,30**	1705	**1.690,65**	2110	**1.950,39**	1060	**731,10**
12	840	1003	**713,49**	1404	**909,39**	1596	**1.452,05**	1860	**1.792,77**	2302	**2.058,24**	1156	**784,26**
13	910	1086	**760,87**	1521	**970,37**	1729	**1.541,79**	2015	**1.894,88**	2494	**2.166,09**	1253	**837,43**
14	980	1170	**808,24**	1638	**1.031,35**	1862	**1.631,53**	2170	**1.996,99**	2685	**2.273,95**	1349	**890,59**
15	1050	1253	**855,62**	1755	**1.092,33**	1995	**1.721,27**	2325	**2.099,11**	2877	**2.381,80**	1445	**943,75**
16	1120	1337	**903,00**	1872	**1.153,30**	2128	**1.811,01**	2480	**2.201,22**	3069	**2.489,65**	1542	**996,92**
17	1190	1420	**950,37**	1989	**1.214,28**	2261	**1.900,76**	2635	**2.303,34**	3261	**2.597,50**	1638	**1.050,08**
18	1260	1504	**997,75**	2106	**1.275,26**	2394	**1.990,50**	2790	**2.405,45**	3453	**2.705,36**	1734	**1.103,25**
19	1330	1587	**1.045,12**	2223	**1.336,23**	2527	**2.080,24**	2945	**2.507,56**	3644	**2.813,21**	1831	**1.156,41**
20	1400	1671	**1.092,50**			2660	**2.169,98**					1927	**1.209,58**
21	1470	1754	**1.139,88**			2793	**2.259,72**					2023	**1.262,74**
22	1540	1838	**1.187,25**			2926	**2.349,47**					2120	**1.315,90**
23	1610	1921	**1.234,63**			3059	**2.439,21**					2216	**1.369,07**
24	1680	2005	**1.282,00**			3192	**2.528,95**					2312	**1.422,23**
25	1750	2088	**1.329,38**			3325	**2.618,69**					2408	**1.475,40**
26	1820	2172	**1.376,76**			3458	**2.708,43**					2505	**1.528,56**
27	1890	2255	**1.424,13**			3591	**2.798,18**					2601	**1.581,73**
28	1960	2339	**1.471,51**			3724	**2.887,92**					2697	**1.634,89**
29	2030	2422	**1.518,88**			3857	**2.977,66**					2794	**1.688,05**
30	2100	2506	**1.566,26**			3990	**3.067,40**					2890	**1.741,22**

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

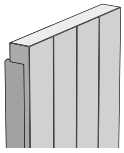
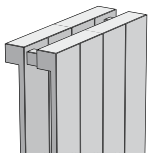
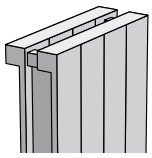
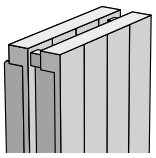
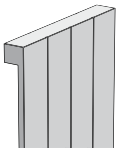
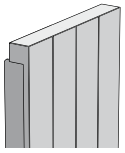
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1400								1600			
													
Model		**VL140**		**VV140**		**VLV140**		**VLVL140**		**V160**		**VL160**	
Depth	mm	63		100		100		126		38		63	
Height of fins	mm	822		-		822		822		-		822	
Exponent	n	1,33		1,33		1,35		1,33		1,29		1,33	
Basic price	**€**	**203,49**		**362,70**		**607,08**		**824,45**		**141,89**		**227,85**	
Price/metre	**€**	**968,46**		**1.431,49**		**1.553,51**		**1.608,76**		**835,51**		**1.051,47**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140			304	**563,11**					218	**258,86**		
3	210	402	**406,87**	456	**663,31**	523	**933,32**	648	**1.162,29**	327	**317,35**	451	**448,66**
4	280	536	**474,66**	608	**763,52**	698	**1.042,06**	864	**1.274,90**	436	**375,83**	601	**522,26**
5	350	670	**542,45**	760	**863,72**	872	**1.150,81**	1079	**1.387,52**	545	**434,32**	751	**595,86**
6	420	804	**610,24**	912	**963,93**	1046	**1.259,55**	1295	**1.500,13**	654	**492,80**	901	**669,47**
7	490	938	**678,04**	1064	**1.064,13**	1221	**1.368,30**	1511	**1.612,74**	763	**551,29**	1051	**743,07**
8	560	1072	**745,83**	1216	**1.164,33**	1395	**1.477,05**	1727	**1.725,36**	872	**609,78**	1201	**816,67**
9	630	1206	**813,62**	1368	**1.264,54**	1569	**1.585,79**	1943	**1.837,97**	981	**668,26**	1351	**890,28**
10	700	1340	**881,41**	1520	**1.364,74**	1743	**1.694,54**	2158	**1.950,58**	1090	**726,75**	1501	**963,88**
11	770	1474	**949,20**	1672	**1.464,95**	1918	**1.803,28**	2374	**2.063,20**	1199	**785,23**	1651	**1.037,48**
12	840	1608	**1.017,00**	1824	**1.565,15**	2092	**1.912,03**	2590	**2.175,81**	1308	**843,72**	1801	**1.111,08**
13	910	1742	**1.084,79**	1976	**1.665,36**	2266	**2.020,77**	2806	**2.288,42**	1417	**902,20**	1951	**1.184,69**
14	980	1876	**1.152,58**	2128	**1.765,56**	2441	**2.129,52**	3022	**2.401,03**	1526	**960,69**	2101	**1.258,29**
15	1050	2010	**1.220,37**	2280	**1.865,76**	2615	**2.238,27**	3237	**2.513,65**	1635	**1.019,18**	2251	**1.331,89**
16	1120	2144	**1.288,17**	2432	**1.965,97**	2789	**2.347,01**	3453	**2.626,26**	1744	**1.077,66**	2401	**1.405,50**
17	1190	2278	**1.355,96**	2584	**2.066,17**	2964	**2.455,76**	3669	**2.738,87**	1853	**1.136,15**	2551	**1.479,10**
18	1260	2412	**1.423,75**	2736	**2.166,38**	3138	**2.564,50**	3885	**2.851,49**	1962	**1.194,63**	2701	**1.552,70**
19	1330	2546	**1.491,54**	2888	**2.266,58**	3312	**2.673,25**	4101	**2.964,10**	2071	**1.253,12**	2851	**1.626,31**
20	1400			3040	**2.366,79**					2180	**1.311,60**		
21	1470			3192	**2.466,99**					2289	**1.370,09**		
22	1540			3344	**2.567,19**					2398	**1.428,58**		
23	1610			3496	**2.667,40**					2507	**1.487,06**		
24	1680			3648	**2.767,60**					2616	**1.545,55**		
25	1750			3800	**2.867,81**					2725	**1.604,03**		
26	1820			3952	**2.968,01**					2834	**1.662,52**		
27	1890			4104	**3.068,22**					2943	**1.721,00**		
28	1960			4256	**3.168,42**					3052	**1.779,49**		
29	2030			4408	**3.268,62**					3161	**1.837,98**		
30	2100			4560	**3.368,83**					3270	**1.896,46**		

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

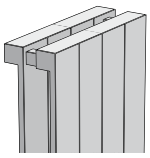
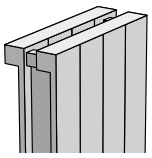
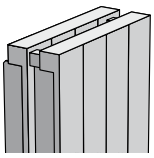
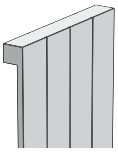
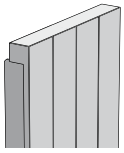
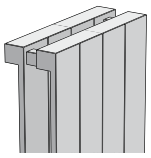
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1600						1800					
													
Model		**VV160**		**VLV160**		**VLVL160**		**V180**		**VL180**		**VV180**	
Depth	mm	100		100		126		38		63		100	
Height of fins	mm	-		822		822		-		1096		-	
Exponent	n	1,34		1,35		1,33		1,30		1,33		1,34	
Basic price	**€**	**408,15**		**637,80**		**870,05**		**158,85**		**216,07**		**410,09**	
Price/metre	**€**	**1.535,94**		**1.703,60**		**1.779,19**		**881,87**		**1.199,60**		**1.656,06**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140	343	**623,18**					245	**282,31**			378	**641,94**
3	210	514	**730,70**	580	**995,56**	716	**1.243,68**	367	**344,04**	498	**467,99**	567	**757,86**
4	280	685	**838,21**	774	**1.114,81**	955	**1.368,22**	489	**405,77**	664	**551,96**	756	**873,79**
5	350	856	**945,73**	967	**1.234,06**	1193	**1.492,77**	611	**467,50**	830	**635,93**	945	**989,71**
6	420	1027	**1.053,24**	1160	**1.353,31**	1432	**1.617,31**	733	**529,24**	996	**719,90**	1134	**1.105,64**
7	490	1198	**1.160,76**	1353	**1.472,56**	1670	**1.741,85**	855	**590,97**	1162	**803,87**	1323	**1.221,56**
8	560	1369	**1.268,28**	1547	**1.591,82**	1909	**1.866,40**	977	**652,70**	1328	**887,85**	1512	**1.337,48**
9	630	1540	**1.375,79**	1740	**1.711,07**	2147	**1.990,94**	1099	**714,43**	1494	**971,82**	1701	**1.453,41**
10	700	1711	**1.483,31**	1933	**1.830,32**	2386	**2.115,48**	1221	**776,16**	1660	**1.055,79**	1890	**1.569,33**
11	770	1882	**1.590,82**	2126	**1.949,57**	2624	**2.240,03**	1343	**837,89**	1826	**1.139,76**	2079	**1.685,26**
12	840	2053	**1.698,34**	2320	**2.068,82**	2863	**2.364,57**	1465	**899,62**	1992	**1.223,73**	2268	**1.801,18**
13	910	2224	**1.805,86**	2513	**2.188,08**	3102	**2.489,11**	1587	**961,35**	2158	**1.307,71**	2457	**1.917,10**
14	980	2395	**1.913,37**	2706	**2.307,33**	3340	**2.613,66**	1709	**1.023,08**	2324	**1.391,68**	2646	**2.033,03**
15	1050	2566	**2.020,89**	2900	**2.426,58**	3579	**2.738,20**	1831	**1.084,81**	2490	**1.475,65**	2835	**2.148,95**
16	1120	2737	**2.128,40**	3093	**2.545,83**	3817	**2.862,74**	1953	**1.146,54**	2656	**1.559,62**	3024	**2.264,88**
17	1190	2908	**2.235,92**	3286	**2.665,08**	4056	**2.987,29**	2075	**1.208,28**	2822	**1.643,59**	3213	**2.380,80**
18	1260	3079	**2.343,43**	3479	**2.784,34**	4294	**3.111,83**	2197	**1.270,01**	2988	**1.727,57**	3402	**2.496,73**
19	1330	3250	**2.450,95**	3673	**2.903,59**	4533	**3.236,37**	2319	**1.331,74**	3154	**1.811,54**	3591	**2.612,65**
20	1400	3421	**2.558,47**					2441	**1.393,47**			3780	**2.728,57**
21	1470	3592	**2.665,98**					2563	**1.455,20**			3969	**2.844,50**
22	1540	3763	**2.773,50**					2685	**1.516,93**			4158	**2.960,42**
23	1610	3934	**2.881,01**					2807	**1.578,66**			4347	**3.076,35**
24	1680	4105	**2.988,53**					2929	**1.640,39**			4536	**3.192,27**
25	1750	4276	**3.096,05**					3050	**1.702,12**			4725	**3.308,20**
26	1820	4447	**3.203,56**										
27	1890	4618	**3.311,08**										
28	1960	4789	**3.418,59**										
29	2030	4960	**3.526,11**										
30	2100	5131	**3.633,62**										

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

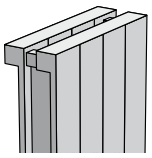
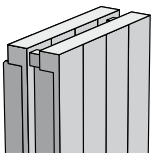
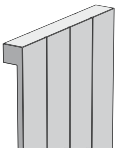
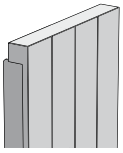
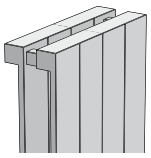
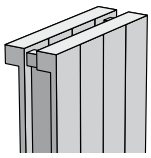
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	1800				2000							
													
Model		**VLV180**		**VLVL180**		**V200**		**VL200**		**VV200**		**VLV200**	
Depth	mm	100		126		38		63		100		100	
Height of fins	mm	1096		1096		-		1096		-		1096	
Exponent	n	1,35		1,33		1,30		1,33		1,34		1,35	
Basic price	**€**	**676,38**		**677,28**		**147,53**		**236,93**		**406,14**		**740,42**	
Price/metre	**€**	**1.804,90**		**1.994,70**		**983,00**		**1.315,46**		**1.776,67**		**2.027,29**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140					273	**285,15**			416	**654,87**		
3	210	636	**1.055,41**	781	**1.096,17**	409	**353,96**	546	**513,18**	624	**779,24**	692	**1.166,15**
4	280	848	**1.181,75**	1041	**1.235,80**	545	**422,77**	728	**605,26**	832	**903,61**	922	**1.308,06**
5	350	1060	**1.308,10**	1301	**1.375,43**	681	**491,58**	910	**697,34**	1040	**1.027,97**	1153	**1.449,97**
6	420	1272	**1.434,44**	1561	**1.515,05**	817	**560,39**	1092	**789,42**	1248	**1.152,34**	1383	**1.591,88**
7	490	1484	**1.560,78**	1821	**1.654,68**	953	**629,20**	1274	**881,51**	1456	**1.276,71**	1614	**1.733,79**
8	560	1696	**1.687,12**	2082	**1.794,31**	1089	**698,01**	1456	**973,59**	1664	**1.401,08**	1844	**1.875,70**
9	630	1908	**1.813,47**	2342	**1.933,94**	1225	**766,82**	1638	**1.065,67**	1872	**1.525,44**	2075	**2.017,61**
10	700	2120	**1.939,81**	2602	**2.073,57**	1361	**835,63**	1820	**1.157,75**	2080	**1.649,81**	2305	**2.159,52**
11	770	2332	**2.066,15**	2862	**2.213,20**	1497	**904,44**	2002	**1.249,83**	2288	**1.774,18**	2536	**2.301,43**
12	840	2544	**2.192,50**	3122	**2.352,83**	1633	**973,25**	2184	**1.341,92**	2496	**1.898,54**	2766	**2.443,34**
13	910	2756	**2.318,84**	3382	**2.492,46**	1769	**1.042,06**	2366	**1.434,00**	2704	**2.022,91**	2997	**2.585,25**
14	980	2968	**2.445,18**	3642	**2.632,09**	1905	**1.110,87**	2548	**1.526,08**	2912	**2.147,28**	3227	**2.727,16**
15	1050	3180	**2.571,53**	3903	**2.771,72**	2041	**1.179,68**	2730	**1.618,16**	3120	**2.271,64**	3458	**2.869,07**
16	1120	3392	**2.697,87**	4163	**2.911,34**	2177	**1.248,49**	2912	**1.710,25**	3328	**2.396,01**	3688	**3.010,98**
17	1190	3604	**2.824,21**	4423	**3.050,97**	2313	**1.317,30**	3094	**1.802,33**	3536	**2.520,38**	3919	**3.152,90**
18	1260	3816	**2.950,55**	4683	**3.190,60**	2449	**1.386,11**	3276	**1.894,41**	3744	**2.644,74**	4149	**3.294,81**
19	1330	4028	**3.076,90**	4943	**3.330,23**	2585	**1.454,92**	3458	**1.986,49**	3952	**2.769,11**	4380	**3.436,72**
20	1400					2721	**1.523,73**			4160	**2.893,48**		
21	1470					2857	**1.592,54**			4368	**3.017,84**		
22	1540					2993	**1.661,35**			4576	**3.142,21**		
23	1610					3129	**1.730,16**			4784	**3.266,58**		
24	1680					3265	**1.798,97**			4992	**3.390,95**		
25	1750					3401	**1.867,78**			5200	**3.515,31**		

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

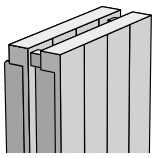
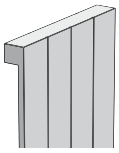
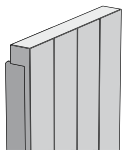
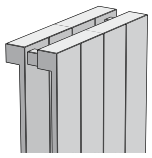
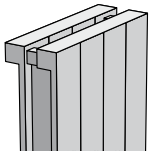
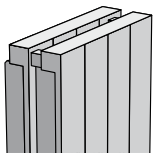
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	2000		2200									
													
Model		**VLVL200**		**V220**		**VL220**		**VV220**		**VLV220**		**VLVL220**	
Depth	mm	126		38		63		100		100		126	
Height of fins	mm	1096		-		1096		-		1096		1096	
Exponent	n	1,33		1,31		1,33		1,35		1,35		1,33	
Basic price	**€**	**669,95**		**194,01**		**256,41**		**443,30**		**777,72**		**716,73**	
Price/metre	**€**	**2.213,84**		**979,27**		**1.423,73**		**1.839,92**		**2.193,86**		**2.368,42**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140			299	**331,11**			455	**700,89**				
3	210	843	**1.134,86**	448	**399,66**	591	**555,39**	682	**829,68**	747	**1.238,43**	901	**1.214,10**
4	280	1123	**1.289,83**	597	**468,21**	788	**655,05**	909	**958,48**	996	**1.392,00**	1202	**1.379,89**
5	350	1404	**1.444,79**	746	**536,75**	985	**754,72**	1136	**1.087,27**	1245	**1.545,57**	1502	**1.545,68**
6	420	1685	**1.599,76**	895	**605,30**	1182	**854,38**	1363	**1.216,07**	1494	**1.699,14**	1802	**1.711,47**
7	490	1965	**1.754,73**	1044	**673,85**	1379	**954,04**	1590	**1.344,86**	1743	**1.852,71**	2102	**1.877,26**
8	560	2246	**1.909,70**	1193	**742,40**	1576	**1.053,70**	1817	**1.473,66**	1991	**2.006,28**	2403	**2.043,05**
9	630	2527	**2.064,67**	1342	**810,95**	1773	**1.153,36**	2044	**1.602,45**	2240	**2.159,85**	2703	**2.208,83**
10	700	2807	**2.219,64**	1491	**879,50**	1970	**1.253,02**	2271	**1.731,24**	2489	**2.313,42**	3003	**2.374,62**
11	770	3088	**2.374,61**	1640	**948,05**	2167	**1.352,68**	2498	**1.860,04**	2738	**2.466,99**	3303	**2.540,41**
12	840	3369	**2.529,58**	1789	**1.016,60**	2364	**1.452,34**	2725	**1.988,83**	2987	**2.620,56**	3604	**2.706,20**
13	910	3649	**2.684,54**	1938	**1.085,15**	2561	**1.552,00**	2952	**2.117,63**	3236	**2.774,13**	3904	**2.871,99**
14	980	3930	**2.839,51**	2087	**1.153,69**	2758	**1.651,67**	3179	**2.246,42**	3485	**2.927,70**	4204	**3.037,78**
15	1050	4211	**2.994,48**	2236	**1.222,24**	2955	**1.751,33**	3406	**2.375,22**	3734	**3.081,27**	4504	**3.203,57**
16	1120	4492	**3.149,45**	2385	**1.290,79**	3152	**1.850,99**	3633	**2.504,01**	3982	**3.234,84**	4805	**3.369,36**
17	1190	4772	**3.304,42**	2534	**1.359,34**	3349	**1.950,65**	3860	**2.632,80**	4231	**3.388,41**	5105	**3.535,15**
18	1260	5053	**3.459,39**	2683	**1.427,89**	3546	**2.050,31**	4087	**2.761,60**	4480	**3.541,98**	5405	**3.700,94**
19	1330	5334	**3.614,36**	2832	**1.496,44**	3743	**2.149,97**	4314	**2.890,39**	4729	**3.695,55**	5705	**3.866,73**
20	1400			2981	**1.564,99**			4541	**3.019,19**				
21	1470			3130	**1.633,54**			4768	**3.147,98**				
22	1540			3279	**1.702,09**			4995	**3.276,78**				
23	1610			3428	**1.770,63**			5222	**3.405,57**				
24	1680			3577	**1.839,18**			5449	**3.534,37**				
25	1750			3726	**1.907,73**			5676	**3.663,16**				

Surcharge for Completto, connections V013/V014 €: **216,09**

Surcharge for "Breakthrough", connections V513/V514 €: **357,87**

Warning: Weight over 100 kg

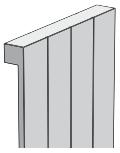
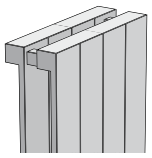
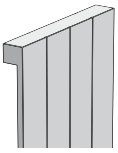
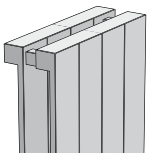
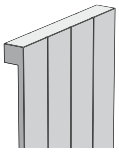
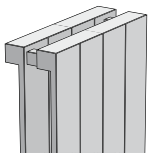
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

Φ_s = Standard thermal output according to EN 442 (ΔT 50K: 75/65/20 °C)

Height	mm	2400				2600				2800			
													
Model		**V240**		**VV240**		**V260**		**VV260**		**V280**		**VV280**	
Depth	mm	38		100		38		100		38		100	
Height of fins	mm	-		-		-		-		-		-	
Exponent	n	1,32		1,35		1,32		1,35		1,33		1,36	
Basic price	**€**	**176,86**		**425,27**		**171,95**		**434,84**		**209,37**		**431,34**	
Price/metre	**€**	**1.071,21**		**1.931,95**		**1.080,71**		**2.100,40**		**1.099,06**		**2.114,91**	
Length		Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**	Φ_s	**Price**
Elements	mm	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**	W	**€**
2	140	327	**326,83**	490	**695,74**	357	**323,25**	528	**728,90**	386	**363,24**	568	**727,43**
3	210	490	**401,81**	735	**830,98**	535	**398,90**	792	**875,92**	579	**440,17**	852	**875,47**
4	280	653	**476,80**	980	**966,22**	713	**474,55**	1056	**1.022,95**	772	**517,11**	1136	**1.023,51**
5	350	816	**551,78**	1225	**1.101,45**	891	**550,20**	1320	**1.169,98**	965	**594,04**	1420	**1.171,56**
6	420	979	**626,77**	1470	**1.236,69**	1069	**625,85**	1584	**1.317,01**	1158	**670,98**	1704	**1.319,60**
7	490	1142	**701,75**	1715	**1.371,93**	1247	**701,50**	1848	**1.464,04**	1351	**747,91**	1988	**1.467,65**
8	560	1305	**776,74**	1960	**1.507,16**	1425	**777,15**	2112	**1.611,06**	1544	**824,84**	2272	**1.615,69**
9	630	1468	**851,72**	2205	**1.642,40**	1603	**852,80**	2376	**1.758,09**	1737	**901,78**	2556	**1.763,73**
10	700	1631	**926,71**	2450	**1.777,64**	1781	**928,45**	2640	**1.905,12**	1930	**978,71**	2840	**1.911,78**
11	770	1794	**1.001,69**	2695	**1.912,87**	1959	**1.004,10**	2904	**2.052,15**	2123	**1.055,65**	3124	**2.059,82**
12	840	1957	**1.076,68**	2940	**2.048,11**	2137	**1.079,75**	3168	**2.199,18**	2316	**1.132,58**	3408	**2.207,86**
13	910	2120	**1.151,66**	3185	**2.183,34**	2315	**1.155,40**	3432	**2.346,20**	2509	**1.209,51**	3692	**2.355,91**
14	980	2283	**1.226,65**	3430	**2.318,58**	2493	**1.231,05**	3696	**2.493,23**	2702	**1.286,45**	3976	**2.503,95**
15	1050	2446	**1.301,63**	3675	**2.453,82**	2671	**1.306,70**	3960	**2.640,26**	2895	**1.363,38**	4260	**2.652,00**
16	1120	2609	**1.376,62**	3920	**2.589,05**	2849	**1.382,35**	4224	**2.787,29**	3088	**1.440,32**	4544	**2.800,04**
17	1190	2772	**1.451,60**	4165	**2.724,29**	3027	**1.457,99**	4488	**2.934,32**	3281	**1.517,25**	4828	**2.948,08**
18	1260	2935	**1.526,58**	4410	**2.859,53**	3205	**1.533,64**	4752	**3.081,34**	3474	**1.594,19**	5112	**3.096,13**
19	1330	3098	**1.601,57**	4655	**2.994,76**	3383	**1.609,29**	5016	**3.228,37**	3667	**1.671,12**	5396	**3.244,17**
20	1400	3261	**1.676,55**	4900	**3.130,00**	3561	**1.684,94**	5280	**3.375,40**	3860	**1.748,05**	5680	**3.392,21**
21	1470	3424	**1.751,54**	5145	**3.265,24**	3739	**1.760,59**	5544	**3.522,43**	4053	**1.824,99**	5964	**3.540,26**
22	1540	3587	**1.826,52**	5390	**3.400,47**	3917	**1.836,24**	5808	**3.669,46**	4246	**1.901,92**	6248	**3.688,30**
23	1610	3750	**1.901,51**	5635	**3.535,71**	4095	**1.911,89**	6072	**3.816,48**	4439	**1.978,86**	6532	**3.836,35**
24	1680	3913	**1.976,49**	5880	**3.670,95**	4273	**1.987,54**	6336	**3.963,51**	4632	**2.055,79**	6816	**3.984,39**

Surcharge for Completto, connections V013/V014 €:	**216,09**
Surcharge for "Breakthrough", connections V513/V514 €:	**357,87**

Warning: Weight over 100 kg

Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille, see “Special versions”, page 33

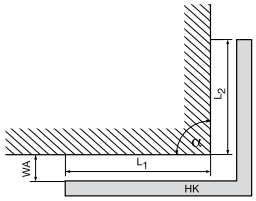
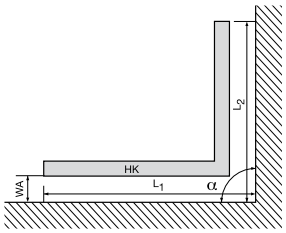
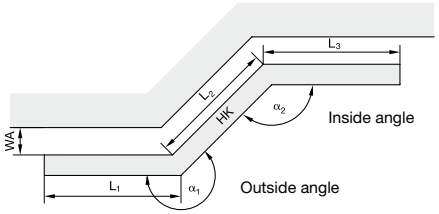
Factor f_1 for converting the thermal output to operating temperatures 70/55/20 °C = 0,80, to 70/50/20 °C = 0,73, to 55/45/20 °C = 0,51

Zehnder Radiapanel

	Price €
Shorter heights possible as model V050 and VV050	**600 mm – price**
Intermediate lengths - horizontal models, calculated on next higher catalogue length	**No surcharge**
Intermediate heights - vertical models, calculated on next higher catalogue height, jump in height 100 mm	**No surcharge**
High-pressure version 10 bar	**12% surcharge**
Galvanising (only possible for high pressure version, see also explanations on galvanising in section “General”) with subsequent standard finish (RAL 9016), not possible for Zehnder Radiapanel Completto, Radiapanel “Breakthrough” and models with side covers - horizontal models: Dimensions max. 910 x 3000 mm (H x L) - vertical models: Dimensions max. 2200 x 910 mm (H x L)	**In high pressure version on request**
Additional connections	**On request**
Fin cut-out when using floor brackets STF for models HL, HLHL, with height of fins same as height of radiator per fin cut-out	**19,75**
Side covers for model VV (surcharge per radiator). For Completto, “Breakthrough” and models with fins, side covers are integrated to the scape of delivery.	**324,60**
Grilles welded in place at factory, price per row of fins and metre of radiator for models HL, HLH, HLHL (2x)	**28,74**
Cover strip installed at the factory (not suitable for retrofitting), prices per row of fins and metre of radiator for models HL, HLH, HLHL (2x)	**48,17**

Basis for calculating the surcharge is standard finish RAL 9016

Zehnder Radiapanel

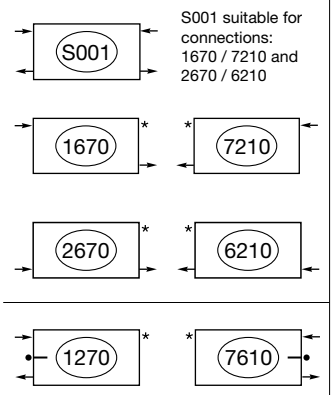
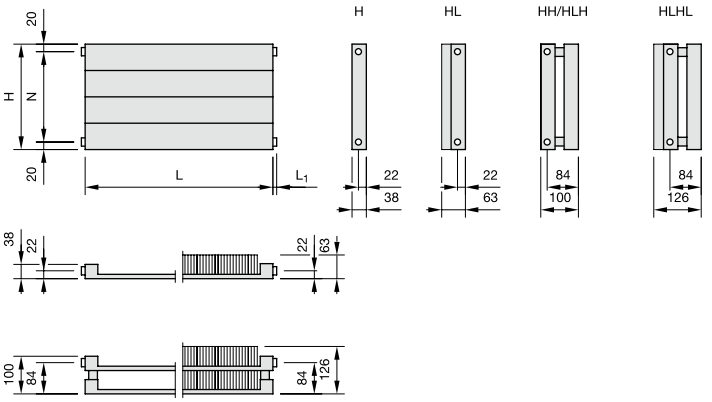
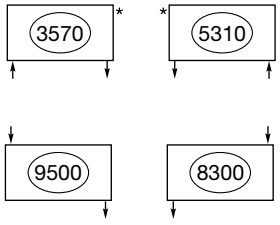
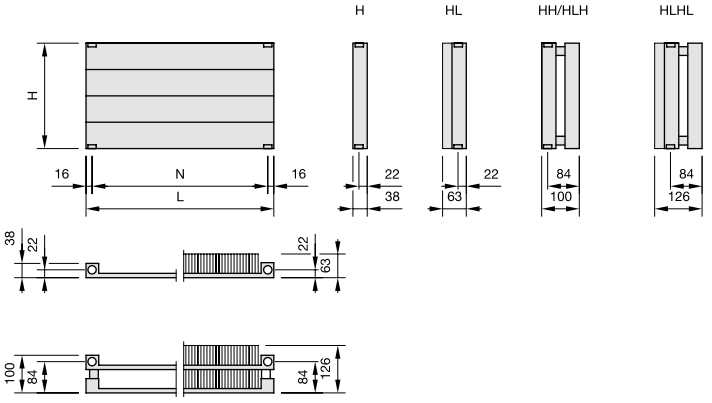
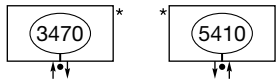
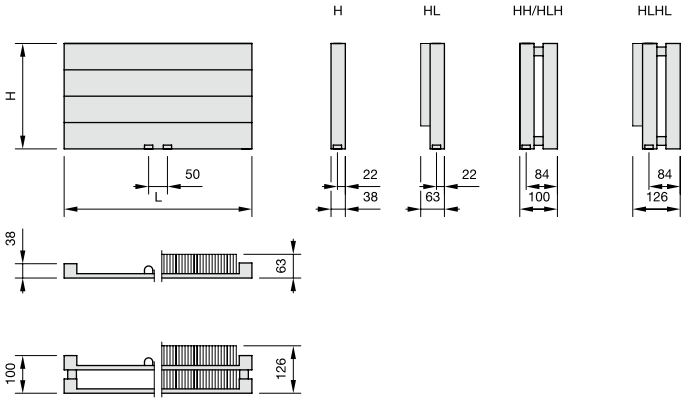
Angled version		
Version	**Sketch/template**	**Prices €**
When enquiring about the price (offer), please enclose a copy of the desired angled design (sketch), indicating dimensions L_1, L_2, L_3 and wall clearance WA in mm as well as the angles α_1, α_2 in degrees. Please provide sturdy templates when placing your order. Angled versions available from 90° to 179°.		**On request**
		**On request**
		**On request**

HK = Radiator
WA = Wall clearance
R = Radius
α_1, α_2 = Angle [°]
L_1, L_2, L_3 = Lengths

Dimensions in mm

Zehnder Radiapanel

Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
opposite end  S001 suitable for connections: 1670 / 7210 and 2670 / 6210	**No additional charge**	 Minimum height H = 140 mm for connection S001 and 1270/7610 Connection 2670/6210 possible only up to max. H = 420.
from bottom to bottom or from top to bottom  	**60,72**	
from bottom to bottom, central  	**171,17**	 Minimum height 140 mm, the lowermost parallel pipes are implemented without fins, which results in a different model.

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1670/7210 and 2670/6210.

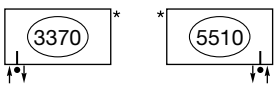
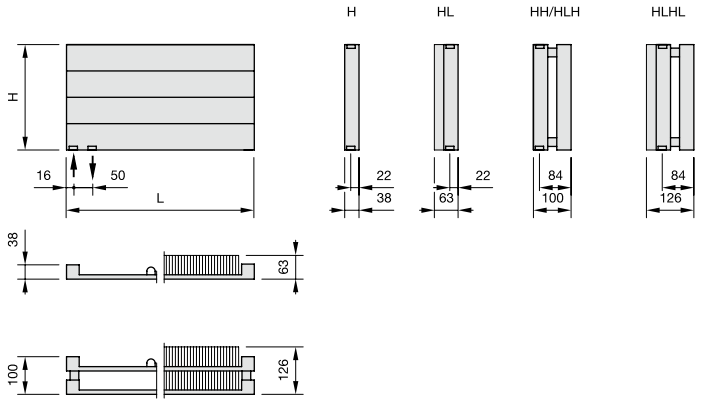
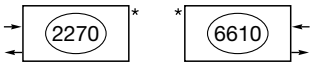
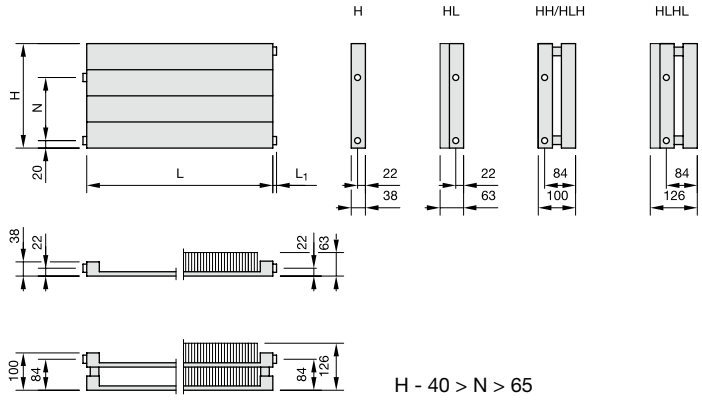
H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
* = Venting
• = Internal installations

Connection size Ø	⅜"	½"	¾"	1"
L_1 (mm)	0	0	17	21

Dimensions in mm

Zehnder Radiapanel

Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
from bottom to bottom on the side  	**88,41**	
for retrofitting Lateral connection upon request (indicate boss spacing when placing order)  	**64,28**	 H - 40 > N > 65

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1670/7210 and 2670/6210.

H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
* = Venting
• = Internal installations

Dimensions in mm

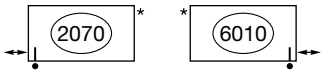
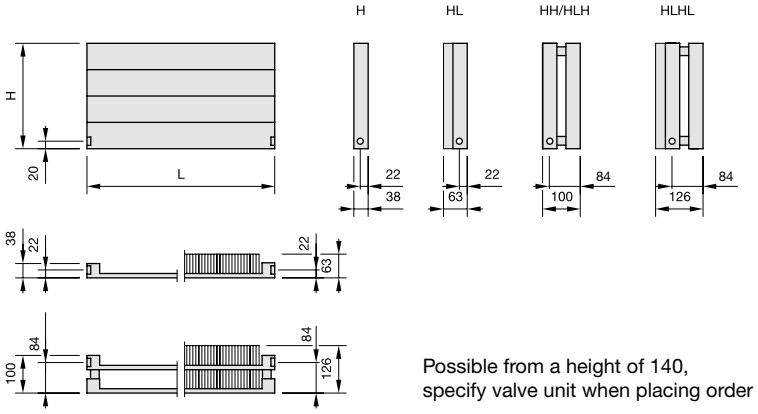
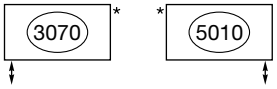
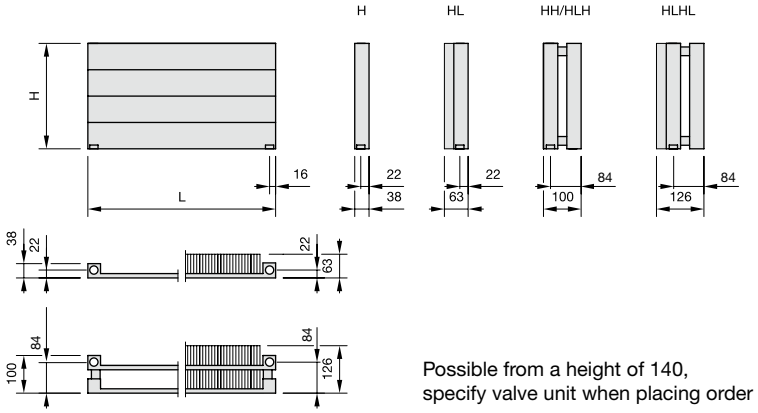
Connection size Ø	⅜"	½"	¾"	1"
L_1 (mm)	0	0	17	21

[1] Only valid for Zehnder thermostat LH2

[2] Other variants with integrated valve, e.g. with opposite end connections from bottom, on request

Zehnder Radiapanel

Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 1-tube with external valve - See note on single-pipe system in the keyword list		
for horizontal lance valve  	**30,37**	 Possible from a height of 140, specify valve unit when placing order
for vertical lance valve  	**30,37**	 Possible from a height of 140, specify valve unit when placing order

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1670/7210 and 2670/6210.

H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
* = Venting
• = Internal installations

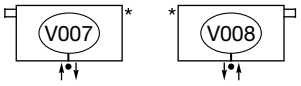
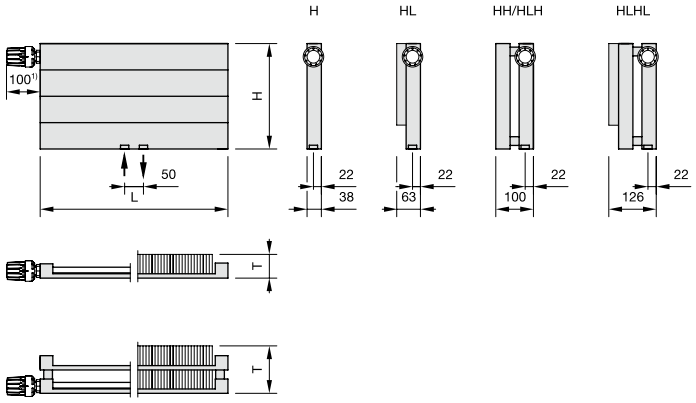
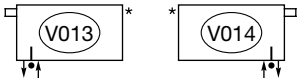
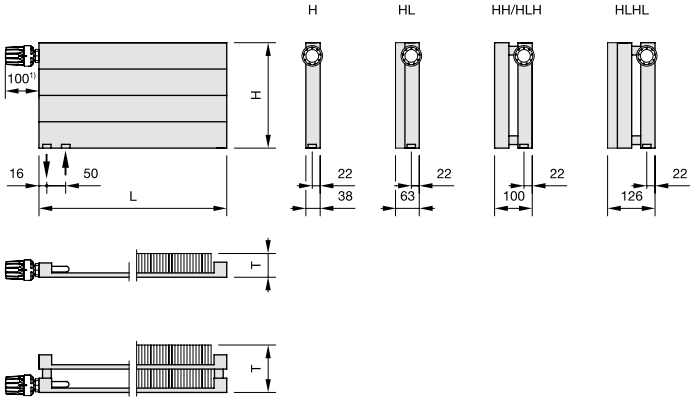
Connection size Ø	3/8"	½"	¾"	1"
L_1 (mm)	0	0	17	21

[1] Only valid for Zehnder thermostat LH2
[2] Other variants with integrated valve, e.g. with opposite end connections from bottom, on request

Dimensions in mm

Zehnder Radiapanel

Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Completto connection with integrated valve at side[2] (max. flow rate 250 kg/h)		
connection central 50 mm  	**357,87**	 Minimum height 210 mm, the two lowermost parallel pipes are implemented without fins, which results in a different model.
connection on side 50 mm  	**216,09**	 Minimum height 140 mm

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1670/7210 and 2670/6210.

H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
* = Venting
• = Internal installations

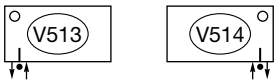
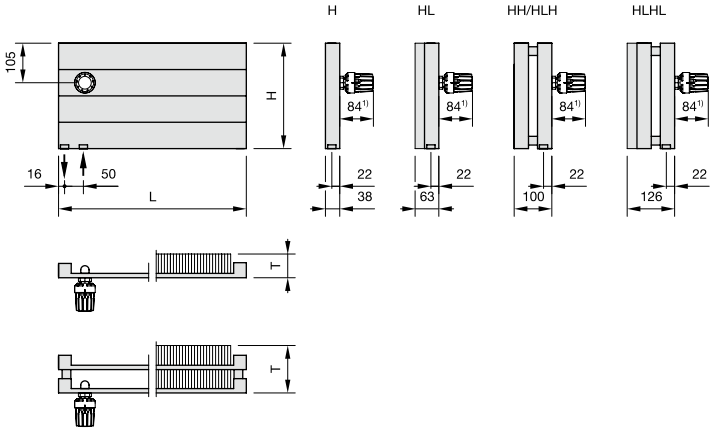
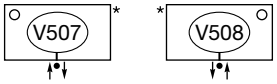
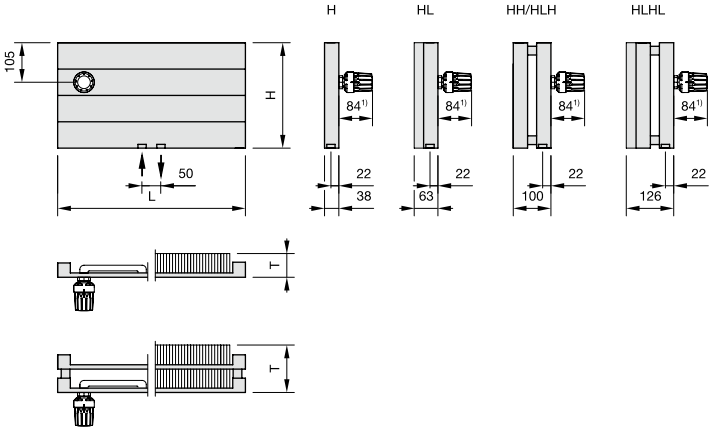
Dimensions in mm

Connection size Ø	⅜"	½"	¾"	1"
L_1 (mm)	0	0	17	21

[1] Only valid for Zehnder thermostat LH2
[2] Other variants with integrated valve, e.g. with opposite end connections from bottom, on request

Zehnder Radiapanel

Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection with valve integrated in front panel for "Breakthrough"[2] (Ø 52 mm, max. flow rate 250 kg/h)		
connection on side 50 mm  	**335,70**	 Minimum height 280 mm
connection central 50 mm  	**430,46**	 Minimum height 280 mm, the two lowermost parallel pipes are implemented without fins, which results in a different model.

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1670/7210 and 2670/6210.

H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
* = Venting
• = Internal installations

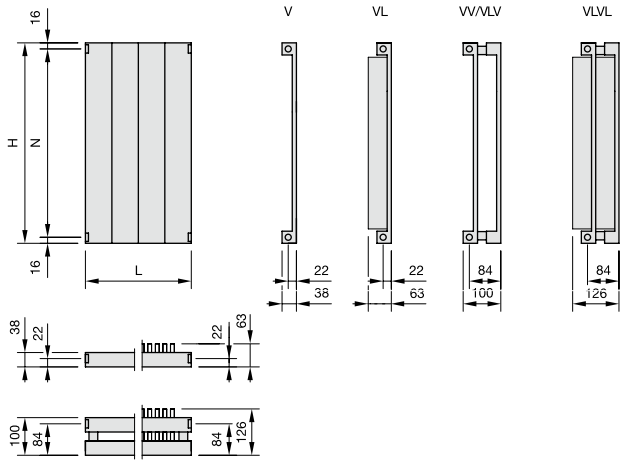
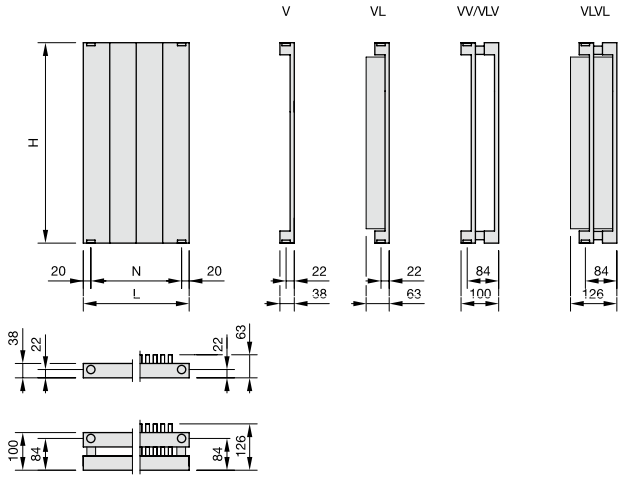
Dimensions in mm

Connection size Ø	⅜"	½"	¾"	1"
L_1 (mm)	0	0	17	21

[1] Only valid for Zehnder thermostat LH2
[2] Other variants with integrated valve, e.g. with opposite end connections from bottom, on request

Zehnder Radiapanel

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
same or opposite end S001 1270 * 7610 * 1670 * 7210 *	**No surcharge**	
2670 * 6210 *	**27,71**	
1706 Δ 7102 Δ	**55,44**	
from bottom to bottom 3570 * 5310 *	**88,41**	
from top to top 9806 Δ 8902 Δ	**116,14**	
from top to bottom 9500 8300	**60,72**	

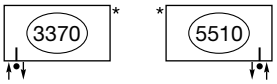
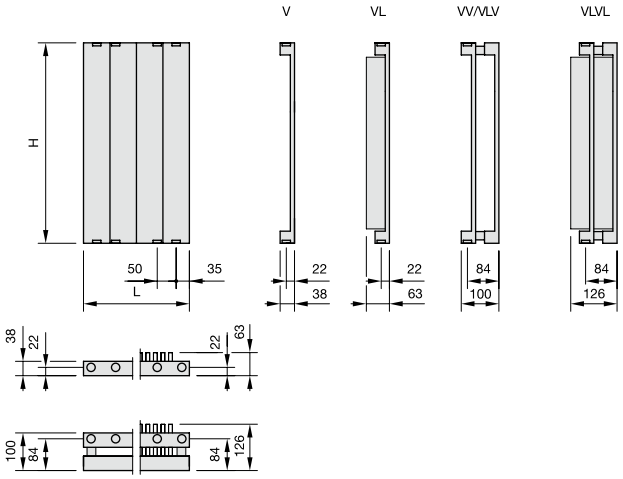
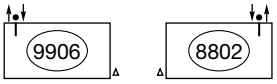
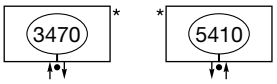
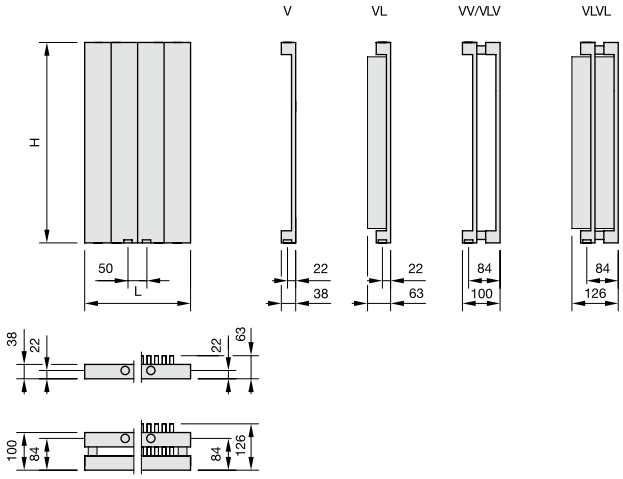
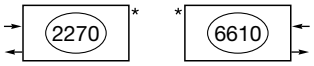
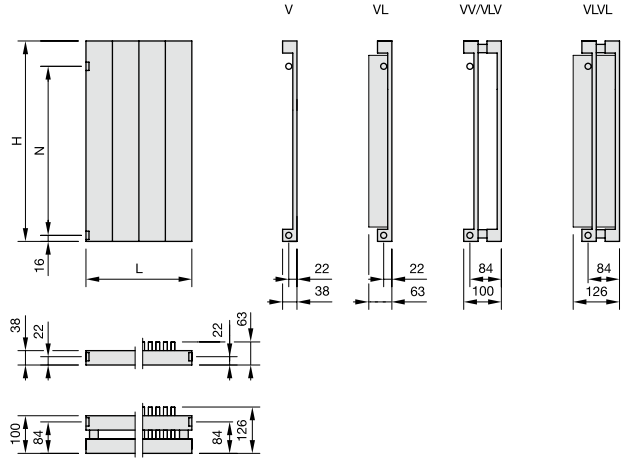
When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1270/7610, 1670/7210.

H = Height
L = Length
N = Boss spacing
* = Venting
Δ = Draining
• = Internal installations

Dimensions in mm

Zehnder Radiapanel

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
from bottom to bottom, side  	**88,41**	
from top to top, side  	**116,14**	
from bottom to bottom, central 50 mm  	**171,17**	 Central arrangement of the connections only with even number of elements
for retrofitting: Lateral connection upon request (indicate boss spacing when placing order)  	**103,46**	 N_{max} = H - 76

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1270/7610, 1670/7210.

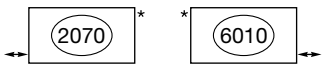
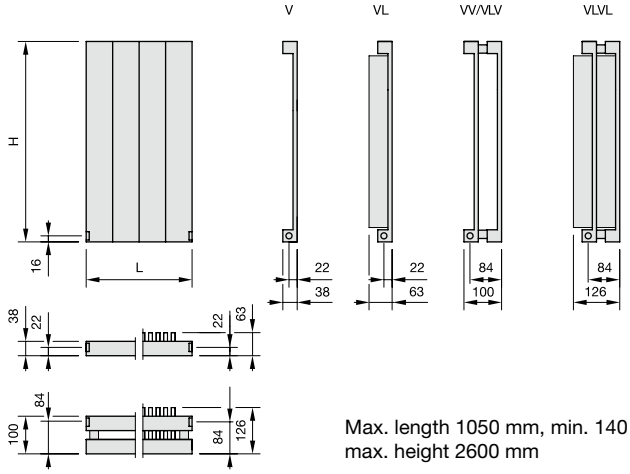
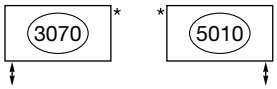
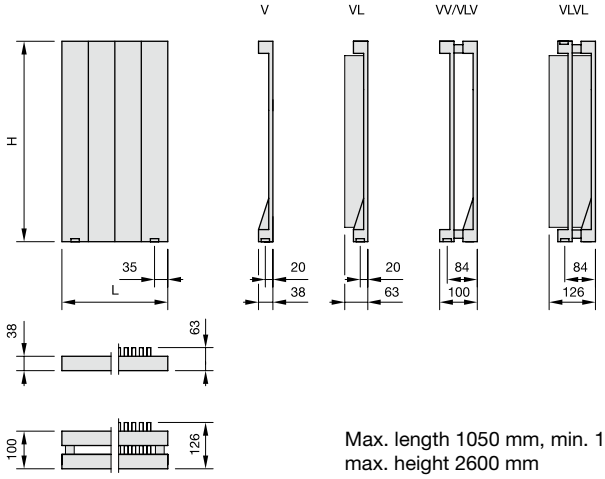
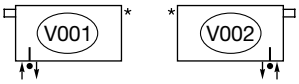
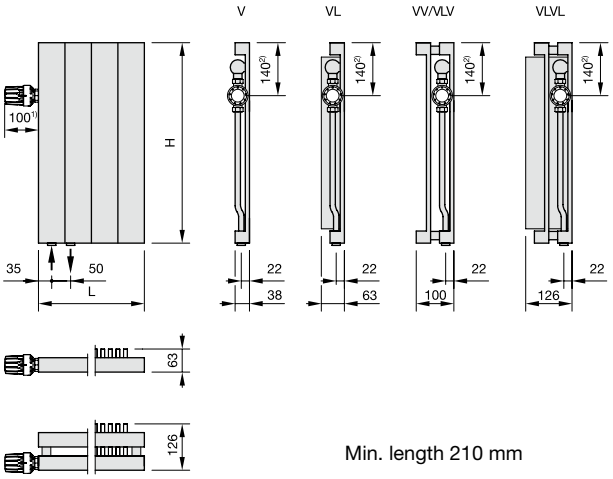
H = Height
L = Length
N = Boss spacing
* = Venting

Δ = Draining
• = Internal installations

Dimensions in mm

Zehnder Radiapanel

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 1-tube with external valve - See note on single-pipe system in the keyword list		
for horizontal baffle plate [3] 	**No surcharge**	 Max. length 1050 mm, min. 140 mm, max. height 2600 mm
for vertical baffle plate [3] 	**30,37**	 Max. length 1050 mm, min. 140 mm, max. height 2600 mm
Completto connection with integrated valve [4] (max. flow rate 250 kg/h)		
connection on side 50 mm 	**216,09**	 Min. length 210 mm

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1270/7610, 1670/7210.

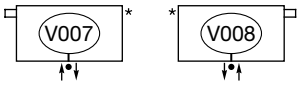
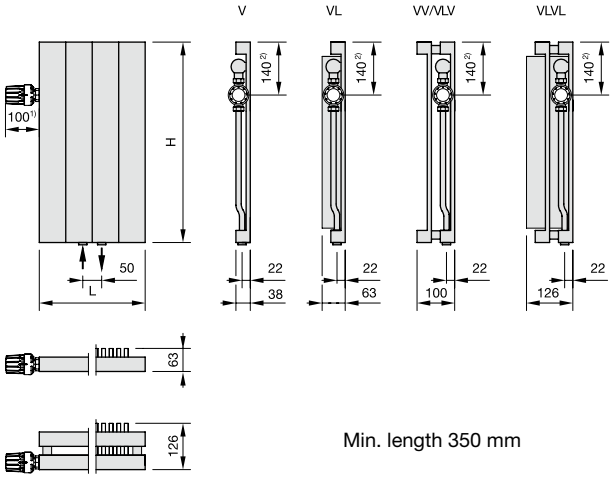
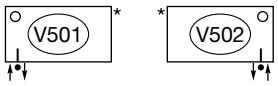
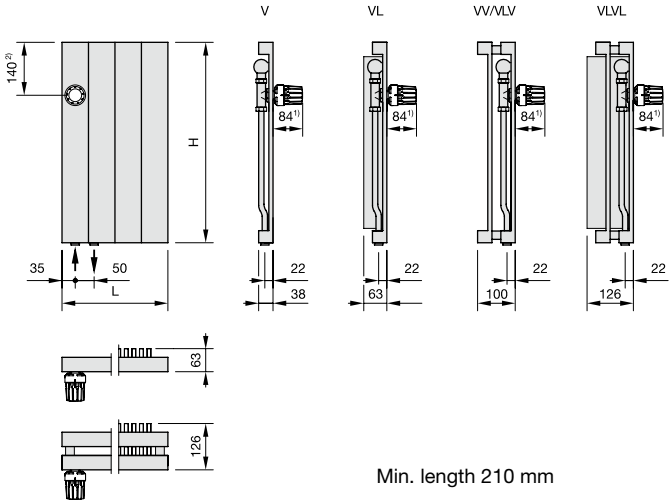
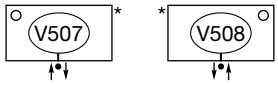
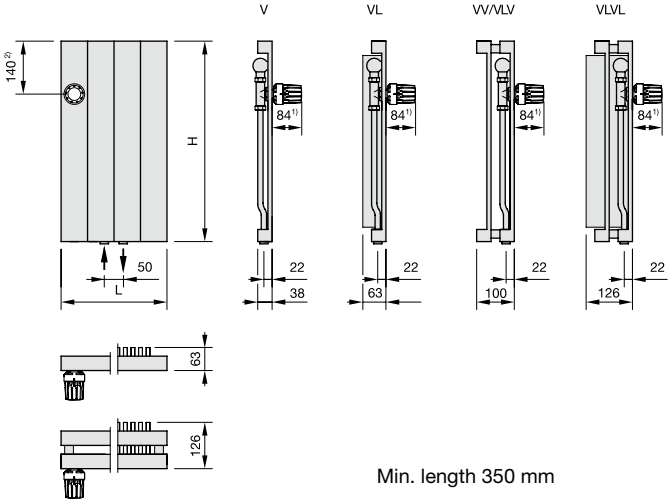
H = Height
L = Length
N = Boss spacing
* = Ventinging
• = Internal installations

Dimensions in mm

[1] Only valid for Zehnder thermostat LH2
[2] The valve can be integrated at any height, minimum dimension from top or bottom edge 140 mm
[3] Specify valve unit when placing order, possible from length 140 mm
[4] Other variants with integrated valve, e.g. with opposite end connections, on request

Zehnder Radiapanel

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Completto connection with integrated valve [4] (max. flow rate 250 kg/h)		
connection central 50 mm [3] 	**357,87**	 Min. length 350 mm
Connection with valve integrated in front panel for "Breakthrough" (Ø 52 mm, max. flow rate 250 kg/h)		
connection on side 50 mm [3] 	**335,70**	 Min. length 210 mm
connection central 50 mm [3] 	**430,46**	 Min. length 350 mm

When an order is placed without indication of the connection type, the standard connection 4 x ½" (S001) is delivered, suitable for connection types: 1270/7610, 1670/7210.

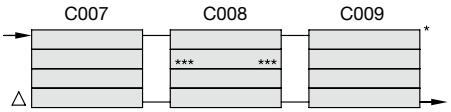
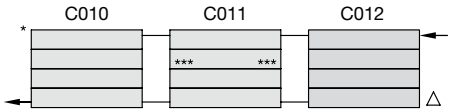
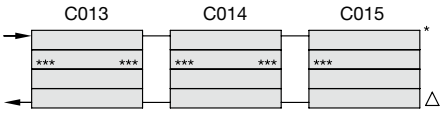
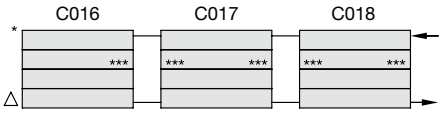
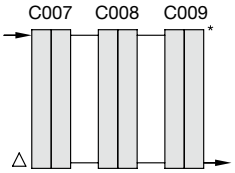
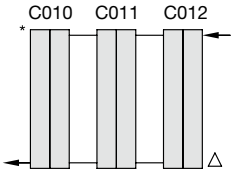
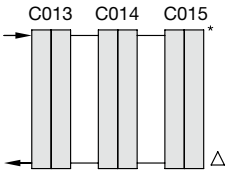
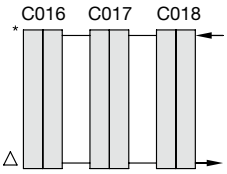
H = Height
L = Length
T = Depth
* = Venting
• = Internal installations

Dimensions in mm

[1] Only valid for Zehnder thermostat LH2
[2] The valve can be integrated at any height, minimum dimension from top or bottom edge 140 mm
[3] Other variants with integrated valve, e.g. with opposite end connections, on request, min. length 350 mm

Zehnder Radiapanel

Series version

Horizontal models	Opposite-end connection, flow on left	Opposite-end connection, flow on right
Height 70 mm Zeta value 3 x 2,2 = 6,6 (100% water quantity)		
Height 140 - 1680 mm Zeta value 2,2 (100% water quantity) plus 4 x 2,2 = 8,8 (50% water quantity)		
	Same-side connection, flow on left	Same-side connection, flow on right
Height 140 - 1680 mm Zeta value 5 x 2,2 = 11 (100% water quantity)		
Vertical models	Opposite-end connection, flow on left	Opposite-end connection, flow on right
Height 140 - 1680 mm Zeta value 1,8 (100% water quantity) plus 4 x 1,8 = 7,2 (50% water quantity)		
	Same-side connection, flow on left	Same-side connection, flow on right
Height 140 - 1680 mm Zeta value 5 x 1,8 = 9 (100% water quantity)		

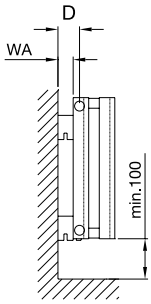
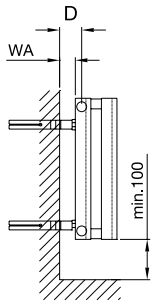
* Ventilation, △ Draining, *** Baffle

Zehnder Radiapanel can be installed in series according to the sketches shown above. The radiators are delivered individually. The connections are to be installed on site. Not more than 3 radiators of 6000 mm in length each should be installed in series. Recommended dimension of the on-site connection ¾". The radiators must be installed in accordance with the arrangement shown here. When placing an order, please indicate the number and connection dimensions of the required arrangement. Prices on request.

Please note:
The minimum water flow for installed in series Zehnder Radiapanels must be noted from the following table:

Horizontal construction	27%
Vertical construction	17%

Zehnder Radiapanel

Illustration	Sketch Side view	Model					
		Application	Wall clearance WA mm	Brackets in set	Article no.[4] Set white	€/Set White	€/Set Colour
Fixing details for accessory sets CVD, BKE							
Set CVD [2] incl. retaining spring	 Distance D: H 34 mm HH 34 mm HL 58 mm HLH 34 mm HLHL 58 mm	**Type H, HH, HLH**					
		Heights 70 and 140 mm					
		L = 500-1500	17	2 x CVD 1	-	**-**	**-**
		L > 1500-3500	17	3 x CVD 1	795311	**10,18**	**25,41**
		L > 3500-6000	17	4 x CVD 1	795411	**12,77**	**33,14**
		Heights 210 - 2100 mm					
		L = 500-1500	17	4 x CVD 1	795411	**12,77**	**33,14**
		L > 1500-3500	17	6 x CVD 1	795611	**18,12**	**48,56**
		L > 3500-6000	17	8 x CVD 1	795811	**23,37**	**64,01**
		Type HL, HLHL					
		Heights 70 and 140 mm					
		L = 500-1500	15	2 x CVD 0	795201	**7,48**	**17,61**
		L > 1500-3500	15	3 x CVD 0	795301	**10,18**	**25,41**
		L > 3500-6000	15	4 x CVD 0	795401	**12,77**	**33,14**
		Heights 210 - 1050 mm					
		L = 500-1500	15	4 x CVD 0	795401	**12,77**	**33,14**
		L > 1500-3500	15	6 x CVD 0	795601	**18,12**	**48,56**
		L > 3500-6000	15	8 x CVD 0	795801	**23,37**	**64,01**
Set BKE [5]	 Distance D: H 26-57 mm HH 26-57 mm HL 65-95 mm HLH 26-57 mm HLHL 65-95 mm	**Type H, HL, HH, HLH, HLHL**					
		Heights 70 and 140 mm					
		L = 500-1500	9-40[3]	2 x BKE 160	766232	**9,99**	**-**
		L > 1500-3500	9-40	3 x BKE 160	766332	**14,95**	**-**
		L > 3500-6000	9-40	4 x BKE 160	766432	**19,94**	**-**
		Heights 210 - 2100 mm					
		L = 500-1500	9-40[3]	4 x BKE 160	766432	**19,94**	**-**
		L > 1500-3500	9-40	6 x BKE 160	766632	**29,92**	**-**
		L > 3500-6000	9-40	8 x BKE 160	766832	**39,89**	**-**

[2] For model H in the Completto or "Breakthrough" design, use CVD2 bracket.
[3] For model HL and HLHL WA = 23-53 mm
[4] The article no. of the set in colour is produced by replacing the end digit 1 with the end digit 9.
[5] An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.

L = Length of radiator in mm
D = Distance from wall to middle of connection
WA = Clearance from wall to back of radiator

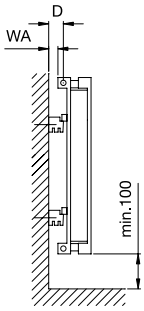
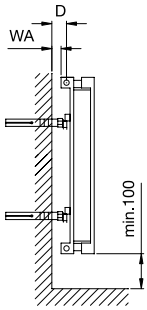
Zehnder Radiapanel

Illustration	Version	Model			
		Application	Amount + type of brackets	Article no. piece	**Price/piece €**
For other fixing options, see “Accessories”					
Wall bracket AK	For adjustable wall clearance, short and long version possible, standard: Short, RAL 9016. For details, see "Accessories"	**All models**			
		Heights 70 and 140 mm			
		L = 500-1500 L > 1500-3500 L > 3500-6000	2 x AK 1 3 x AK 1 4 x AK 1	796011	**13,70**
		Heights 210 - 2100 mm			
		L = 500-1500 L > 1500-3500 L > 3500-6000	4 x AK 1 6 x AK 1 8 x AK 1	796011	**13,70**
Floor bracket STF [2]	For mounting on unfinished or finished floor, different lengths possible, standard: RAL 9016. For details, see "Accessories"	**All models up to max. construction height of 600 mm**			
		L = 500-1500 L > 1500-3500 L > 3500-6000	2 x STF 1 3 x STF 1 4 x STF 1	By size	**61,78 / 66,99**
Welded floor support [2]	For mounting on unfinished floors, (no cover available), in colour of radiator, height-adjustable: [3] 115–175 mm or tailored to individual requirements (on request)	**All models**			
		L = 500-1500 L > 1500-2400 L > 2400-3200 L > 3200-4000	2 x bracket 3 x bracket 4 x bracket 5 x bracket	-	**123,53**

[2] Depending on the installation situation, an additional bracket is required on the welded lugs at the rear.
Stand-alone installation without additional stabilisation up to a max. construction height of 600 mm (construction height = radiator incl. bracket).
Welded floor supports not possible for models HL and HLHL if the fins extend to the bottom flat tube.
[3] Height of welded floor support: Bottom edge of radiator up to bottom edge of footplate.

L = Length of radiator in mm

Zehnder Radiapanel

Illustration	Sketch Side view	Model					
		Application	Wall clearance WA mm	Brackets in set	Article no.[4] Set white	€/Set White	 Colour
Fixing details for accessory sets CVD, BKE							
Set CVD [2] incl. retaining spring	 Distance D: V 34 mm VL 55 mm VV 34 mm VLV 34 mm VLVL 55 mm	**Type V, VV, VLV**					
		Length 70 mm					
		H = 600-2000 H > 2000-6000	17	2 x CVD 1 3 x CVD 1	- 795311	**-** **10,18**	**-** **25,41**
		Length 140 mm					
		H = 600-2000 H > 2000-4000	17	3 x CVD 1 4 x CVD 1	795311 795411	**10,18** **12,77**	**25,41** **33,14**
		Lengths 210 - 1610 mm					
		H = 600-2000 H > 2000-6000	17	4 x CVD 1 6 x CVD 1	795411 795611	**12,77** **18,12**	**33,14** **48,56**
		Lengths 1680 - 2100 mm					
		H = 600-1400 H > 1400-3600 H > 3600-6000	17	4 x CVD 1 6 x CVD 1 9 x CVD 1	795411 795611 -	**12,77** **18,12** **-**	**33,14** **48,56** **-**
		Type VL, VLVL					
		Lengths 210 - 1330 mm					
		H = 800-2200	15	4 x CVD 0	795401	**12,77**	**33,14**
Set BKE [3] [5]	 Distance D: V 47 mm VL 72 mm VV 47 mm VLV 47 mm VLVL 72 mm	**Type V, VV, VLV**					
		Length 70 mm					
		H = 600-2000 H > 2000-6000	30	2 x BKE 160 3 x BKE 160	766232 766332	**9,99** **14,95**	**-**
		Length 140 mm					
		H = 600-2000 H > 2000-6000	30	3 x BKE 160 4 x BKE 160	766332 766432	**14,95** **19,94**	**-** **-**
		Length 210 - 1610 mm					
		H = 600-2000 H > 2000-6000	30	4 x BKE 160 6 x BKE 160	766432 766632	**19,94** **29,92**	**-** **-**
		Length 1680 - 2100 mm					
		H = 600-1400 H > 1400-3600 H > 3600-6000	30	4 x BKE 160 6 x BKE 160 9 x BKE 160	766432 766632 -	**19,94** **29,92** **-**	**-** **-** **-**
		Type VL, VLVL					
		Length 210 - 1330 mm					
		H = 800-2500	30	4 x BKE 160	766432	**19,94**	**-**

[2] For model V in the Completto or **"Breakthrough"** (Vxxx) design, use CVD2 bracket.
[3] Average distances are given for D and WA for set BKE, as bracket installation depth is variable.
[4] The article no. of the set in colour is produced by replacing the end digit 1 by the end digit 9.
[5] An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.

D = Distance from wall to middle of connection
WA = Clearance from wall to back of radiator

Zehnder Radiapanel

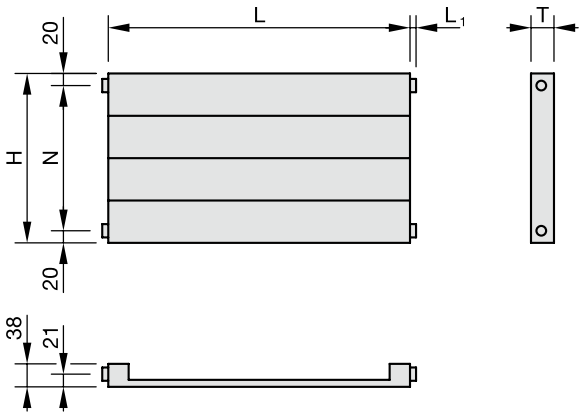
Illustration	Version	Model			
		Application	Amount + type of brackets	Article no. piece	**Price/piece €**
For other fixing options, see “Accessories”					
Wall bracket AK [2]	For adjustable wall clearance, short and long version possible, standard: Short, RAL 9016 For details, see “Accessories”	**All models**			
		Length 140 mm			
		H = 600-2000 H > 2000-6000	3 x AK 1 4 x AK 1	796011	**13,70**
		Length 210 - 1610 mm			
		H = 600-2000 H > 2000-6000	4 x AK 1 6 x AK 1	796011	**13,70**
		Length 1680 - 2100 mm			
		H = 600-1400 H > 1400-3600 H > 3600-6000	4 x AK 1 6 x AK 1 9 x AK 1	796011	**13,70**

[2] An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.

H = Height of radiator in mm
L = Length of radiator in mm

Zehnder Radiapanel

Model H horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 0; ¾" = 17; 1" = 21
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

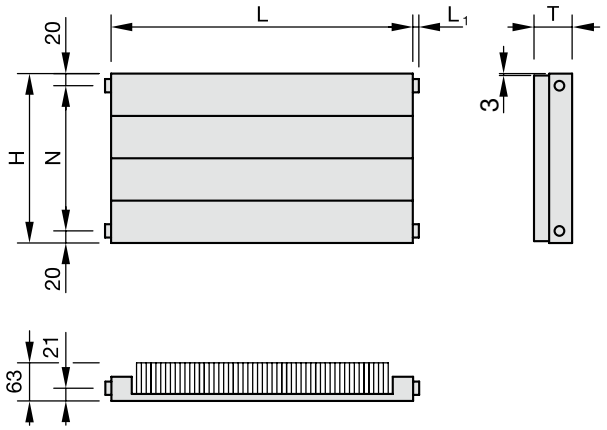
Dimensions in mm

Technical specifications for length 1000 mm

Model	H mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
H07	70	30	38	0,17	0,7	2,1	34	9,0	1,23	99	80	52
H14	140	100	38	0,32	1,2	3,6	33	15,0	1,23	177	144	94
H21	210	170	38	0,47	1,8	5,6	34	21,0	1,23	249	202	132
H28	280	240	38	0,61	2,4	7,4	35	27,0	1,23	318	258	168
H35	350	310	38	0,76	2,9	9,2	35	33,0	1,23	383	311	203
H42	420	380	38	0,91	3,5	11,0	35	39,0	1,25	453	366	237
H49	490	450	38	1,06	4,0	12,7	36	45,0	1,25	519	420	272
H56	560	520	38	1,20	4,6	14,5	36	50,0	1,25	585	473	307
H63	630	590	38	1,40	5,2	16,3	36	56,0	1,25	650	526	341
H70	700	660	38	1,50	5,7	18,1	36	61,0	1,25	714	578	374
H77	770	730	38	1,65	6,3	19,8	36	67,0	1,25	778	629	408
H84	840	800	38	1,80	6,9	21,6	35	72,0	1,25	841	680	441
H91	910	870	38	1,94	7,4	23,4	35	78,0	1,25	904	731	474
H98	980	940	38	2,10	8,0	25,1	35	83,0	1,25	967	782	507
H105	1050	1010	38	2,24	8,5	26,9	35	89,0	1,25	1030	833	540
H112	1120	1080	38	2,40	9,1	28,7	35	94,0	1,26	1092	882	569
H119	1190	1150	38	2,53	9,7	30,4	35	99,0	1,26	1154	932	602
H126	1260	1220	38	2,68	10,2	32,2	35	105,0	1,26	1216	982	634
H133	1330	1290	38	2,83	10,8	34,0	35	110,0	1,26	1278	1032	666
H140	1400	1360	38	3,00	11,3	35,4	35	115,0	1,26	1340	1082	699
H147	1470	1430	38	3,12	11,9	37,5	35	120,0	1,31	1390	1113	706
H154	1540	1500	38	3,27	12,5	39,3	35	125,0	1,31	1456	1166	740

Zehnder Radiapanel

Model HL horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 0; ¾" = 17; 1" = 21
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

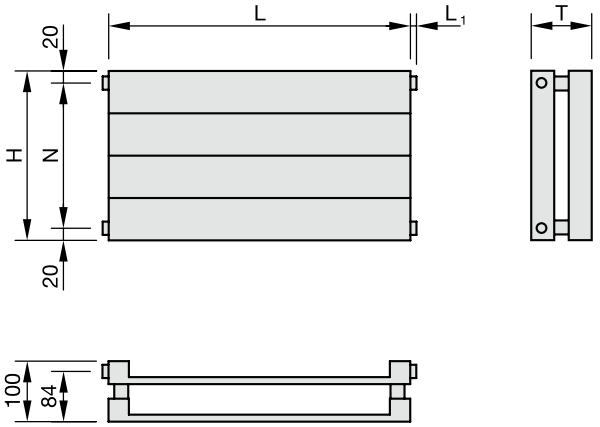
Dimensions in mm

Technical specifications for length 1000 mm

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
HL07/07	70	64	30	63	0,89	0,7	3,8	19	20,0	1,19	235	192	127
HL14/14	140	134	100	63	1,82	1,2	7,5	17	31,0	1,23	359	291	190
HL21/21	210	204	170	63	2,75	1,8	11,2	17	44,0	1,24	509	412	268
HL28/14	280	134	240	63	2,12	2,4	10,9	21	44,0	1,24	512	415	270
HL28/28	280	274	240	63	3,69	2,4	14,9	19	52,0	1,25	610	493	320
HL35/14	350	134	310	63	2,27	2,9	12,7	23	50,0	1,25	578	468	303
HL35/35	350	344	310	63	4,62	2,9	18,1	19	62,0	1,26	726	586	379
HL42/14	420	134	380	63	2,41	3,5	14,4	25	55,0	1,25	642	519	337
HL42/28	420	274	380	63	3,99	3,5	18,3	22	64,0	1,26	741	598	386
HL49/28	490	274	450	63	4,14	4,0	20,0	23	69,0	1,27	802	647	416
HL49/49	490	484	450	63	6,50	4,0	21,5	21	77,0	1,22	896	728	477
HL56/28	560	274	520	63	4,28	4,6	21,7	24	74,0	1,27	861	694	447
HL56/49	560	484	520	63	4,84	4,6	23,3	22	82,0	1,22	950	772	506
HL63/28	630	274	590	63	4,43	5,2	23,5	25	79,0	1,28	919	740	474
HL63/63	630	624	590	63	7,60	5,2	27,6	22	90,0	1,25	1094	885	573
HL70/28	700	274	660	63	4,58	5,7	25,2	26	84,0	1,28	976	785	504
HL70/63	700	624	660	63	6,18	5,7	29,4	23	99,0	1,25	1154	933	605
HL77/28	770	274	730	63	4,73	6,3	26,9	26	89,0	1,29	1033	830	530
HL77/63	770	624	730	63	8,63	6,3	31,2	24	104,0	1,26	1213	980	633
HL84/28	840	274	800	63	4,88	6,9	28,6	26	94,0	1,29	1090	876	560
HL84/63	840	624	800	63	8,78	6,9	32,9	24	109,0	1,26	1270	1026	662

Zehnder Radiapanel

Model HH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 0; ¾" = 17; 1" = 21
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

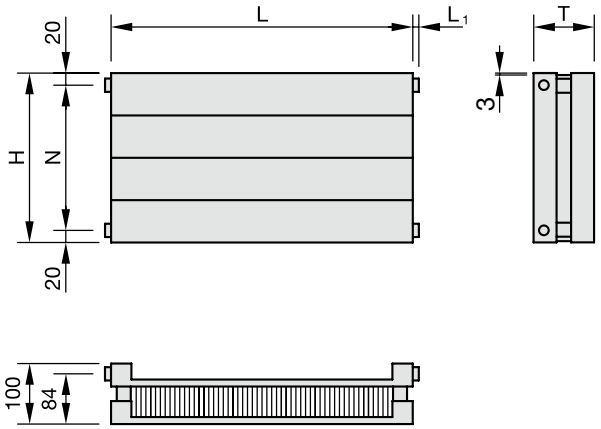
Dimensions in mm

Technical specifications for length 1000 mm

Model	H mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
HH07	70	30	100	0,34	1,3	4,2	34	14,0	1,32	159	127	80
HH14	140	100	100	0,64	2,4	7,7	27	25,0	1,29	293	235	150
HH21	210	170	100	0,93	3,6	11,2	27	34,0	1,26	390	315	203
HH28	280	240	100	1,23	4,7	14,8	26	43,0	1,24	495	401	261
HH35	350	310	100	1,52	5,8	18,3	25	58,0	1,28	679	546	350
HH42	420	380	100	1,82	6,9	21,9	25	68,0	1,28	788	634	407
HH49	490	450	100	2,11	8,0	25,4	24	77,0	1,28	894	720	461
HH56	560	520	100	2,41	9,2	29,0	24	86,0	1,28	998	803	515
HH63	630	590	100	2,70	10,3	32,5	24	95,0	1,29	1101	885	565
HH70	700	660	100	3,00	11,4	36,1	24	103,0	1,29	1203	967	618
HH77	770	730	100	3,30	12,5	39,6	24	112,0	1,29	1304	1048	670
HH84	840	800	100	3,60	13,7	43,1	24	121,0	1,29	1404	1128	721
HH91	910	870	100	3,90	14,8	46,7	24	129,0	1,29	1504	1208	772
HH98	980	940	100	4,18	15,9	50,2	25	138,0	1,29	1603	1288	823
HH105	1050	1010	100	4,48	17,0	53,8	25	146,0	1,30	1702	1365	869
HH112	1120	1080	100	4,77	18,1	57,3	25	155,0	1,30	1801	1445	920
HH119	1190	1150	100	5,07	19,3	60,8	26	163,0	1,30	1900	1524	970
HH126	1260	1220	100	5,36	20,4	64,4	26	172,0	1,30	1999	1603	1021
HH133	1330	1290	100	5,66	21,5	67,9	26	180,0	1,30	2098	1683	1072
HH140	1400	1360	100	5,95	22,6	70,7	26	189,0	1,30	2198	1763	1123
HH147	1470	1430	100	6,25	23,8	75,0	26	179,0	1,30	2297	1842	1173
HH154	1540	1500	100	6,54	24,9	78,6	26	186,0	1,30	2397	1923	1224

Zehnder Radiapanel

Model HLH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 0; ¾" = 17; 1" = 21
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

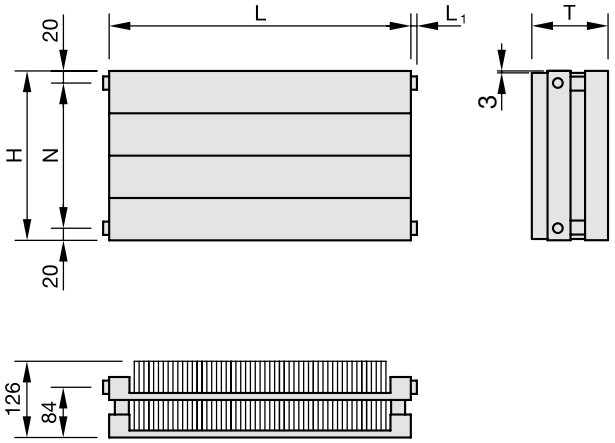
Dimensions in mm

Technical specifications for length 1000 mm

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
HLH35/14	350	134	310	100	3,03	5,8	21,6	20	72,0	1,30	838	672	428
HLH35/28	350	274	310	100	4,60	5,8	25,5	18	79,0	1,35	917	729	456
HLH42/14	420	134	380	100	3,32	6,9	25,0	20	80,0	1,31	934	748	475
HLH42/28	420	274	380	100	4,90	6,9	28,9	19	87,0	1,35	1014	806	505
HLH49/28	490	274	450	100	5,19	8,0	32,4	19	95,0	1,36	1109	880	549
HLH49/49	490	484	450	100	5,75	8,0	34,2	18	102,0	1,35	1186	943	590
HLH56/28	560	274	520	100	5,49	9,2	35,8	19	102,0	1,37	1201	952	592
HLH56/49	560	484	520	100	6,04	9,2	37,8	18	107,0	1,37	1246	988	614
HLH63/28	630	274	590	100	5,78	10,3	39,2	20	111,0	1,37	1291	1023	636
HLH63/63	630	624	590	100	7,39	10,3	43,9	18	123,0	1,37	1428	1132	703
HLH70/28	700	274	660	100	6,08	11,4	42,7	20	119,0	1,38	1381	1093	677
HLH70/63	700	624	660	100	7,68	11,4	47,5	18	129,0	1,35	1497	1191	745
HLH77/28	770	274	730	100	6,38	12,5	46,2	20	126,0	1,38	1471	1164	721
HLH77/63	770	624	730	100	7,98	12,5	51,0	18	139,0	1,34	1612	1284	807
HLH84/28	840	274	800	100	6,67	13,7	49,6	20	134,0	1,39	1561	1233	761
HLH84/63	840	624	800	100	8,27	13,7	54,5	19	148,0	1,32	1722	1376	870

Zehnder Radiapanel

Model HLHL horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 0; ¾" = 17; 1" = 21
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

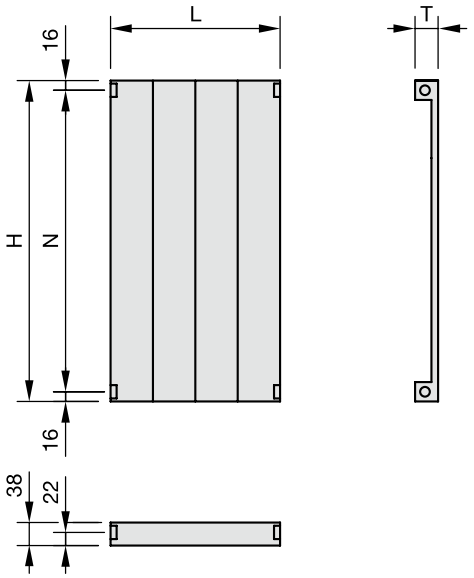
Dimensions in mm

Technical specifications for length 1000 mm

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
HLHL35/14	350	134	310	126	4,53	5,8	25,3	17	91,0	1,34	1063	847	532
HLHL35/28	350	274	310	126	7,67	5,8	33,1	15	104,0	1,34	1205	960	603
HLHL42/14	420	134	380	126	4,83	6,9	28,8	17	100,0	1,34	1164	927	582
HLHL42/28	420	274	380	126	7,97	6,9	36,6	16	112,0	1,35	1298	1032	646
HLHL49/28	490	274	450	126	8,26	8,0	40,0	18	119,0	1,35	1388	1104	691
HLHL49/49	490	484	450	126	13,00	8,0	43,1	14	137,0	1,30	1593	1278	814
HLHL56/28	560	274	520	126	8,56	9,2	43,5	17	127,0	1,36	1474	1170	730
HLHL56/49	560	484	520	126	9,67	9,2	46,7	14	144,0	1,30	1672	1341	854
HLHL63/28	630	274	590	126	8,85	10,3	46,9	17	134,0	1,36	1559	1238	772
HLHL63/63	630	624	590	126	12,07	10,3	55,3	14	164,0	1,32	1909	1526	965
HLHL70/28	700	274	660	126	9,15	11,4	50,4	18	141,0	1,37	1643	1302	809
HLHL70/63	700	624	660	126	12,36	11,4	58,1	15	172,0	1,32	1999	1598	1011
HLHL77/28	770	274	730	126	9,45	12,5	53,8	18	148,0	1,37	1726	1368	850
HLHL77/63	770	624	730	126	12,66	12,5	62,4	15	181,0	1,33	2103	1678	1058
HLHL84/28	840	274	800	126	9,74	13,7	57,3	18	156,0	1,38	1809	1431	887
HLHL84/63	840	624	800	126	12,95	13,7	65,8	15	189,0	1,33	2202	1757	1107

Zehnder Radiapanel

Model V vertical



H = Height
L = Length
N = Boss spacing
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

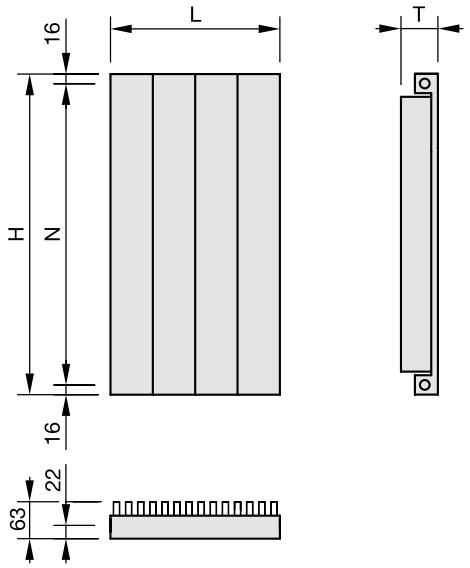
Dimensions in mm

Technical specifications per element

Model	H	N	T	A	V	M	s_k	q_{ms}	Exp.	Φ_s=ΔT 50 K EN442	Φ 70/55/20 °C	Φ 55/45/20 °C
	mm	mm	mm	m^2	dm^3	kg	%	kg/h	n	Watt	Watt	Watt
V060	600	568	38	0,09	0,4	1,1	33	3,9	1,27	45,6	36,7	23,6
V080	800	768	38	0,12	0,5	1,5	34	5,0	1,27	58,3	47,0	30,2
V100	1000	968	38	0,15	0,6	1,8	34	6,1	1,28	70,9	57,1	36,6
V120	1200	1168	38	0,18	0,7	2,1	35	7,2	1,28	83,5	67,2	43,1
V140	1400	1368	38	0,21	0,8	2,5	35	8,3	1,29	96,3	77,4	49,4
V160	1600	1568	38	0,23	0,9	2,8	35	9,4	1,29	109,0	87,6	56,0
V180	1800	1768	38	0,26	1,0	3,2	35	10,5	1,30	122,0	97,9	62,3
V200	2000	1968	38	0,29	1,1	3,6	35	11,7	1,30	136,0	109,1	69,5
V220	2200	2168	38	0,32	1,2	4,0	35	12,8	1,31	149,0	119,3	75,7
V240	2400	2368	38	0,35	1,3	4,3	36	14,0	1,32	163,0	130,3	82,4
V260	2600	2568	38	0,38	1,4	4,5	36	15,3	1,32	178,0	142,3	90,0
V280	2800	2768	38	0,40	1,5	4,9	36	16,6	1,33	193,0	154,0	97,1

Zehnder Radiapanel

Model VL vertical



H = Height
L = Length
N = Boss spacing
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

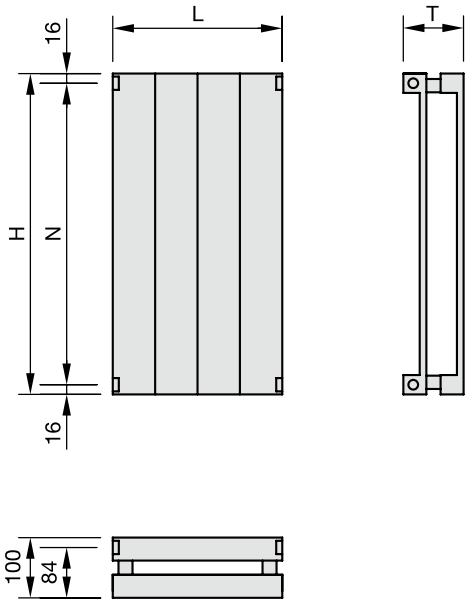
Dimensions in mm

Technical specifications per element

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
VL080	800	274	768	63	0,24	0,5	2,4	23	7,1	1,34	81,9	65,2	41,0
VL100	1000	548	968	63	0,39	0,6	3,3	22	8,6	1,34	99,9	79,6	50,0
VL120	1200	548	1168	63	0,42	0,7	3,7	23	10,1	1,34	117,0	93,2	58,5
VL140	1400	822	1368	63	0,56	0,8	4,2	23	11,6	1,33	134,0	106,9	67,4
VL160	1600	822	1568	63	0,59	0,9	4,9	24	12,9	1,33	150,0	119,7	75,4
VL180	1800	1096	1768	63	0,74	1,0	5,8	24	14,3	1,33	166,0	132,4	83,5
VL200	2000	1096	1968	63	0,77	1,1	6,2	24	15,7	1,33	182,0	145,2	91,5
VL220	2200	1096	2168	63	0,80	1,2	6,6	25	16,9	1,33	197,0	157,2	99,1

Zehnder Radiapanel

Model VV vertical



H = Height
L = Length
N = Boss spacing
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

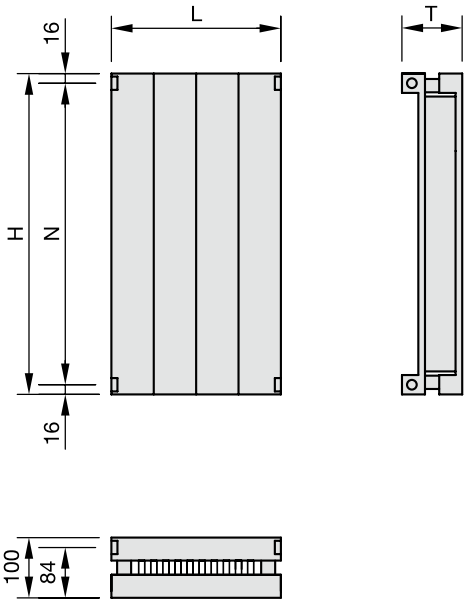
Dimensions in mm

Technical specifications per element

Model	H	N	T	A	V	M	s_k	q_{ms}	Exp.	Φ_s=ΔT 50 K EN442	Φ 70/55/20 °C	Φ 55/45/20 °C
	mm	mm	mm	m^2	dm^3	kg	%	kg/h	n	Watt	Watt	Watt
VV060	600	568	100	0,42	0,7	2,2	24	6,4	1,32	74,7	59,7	37,8
VV080	800	768	100	0,42	0,9	2,9	24	8,1	1,33	94,6	75,5	47,6
VV100	1000	968	100	0,30	1,1	3,6	25	9,8	1,33	114,0	91,0	57,3
VV120	1200	1168	100	0,36	1,4	4,3	25	11,4	1,33	133,0	106,1	66,9
VV140	1400	1368	100	0,42	1,6	5,0	25	13,1	1,33	152,0	121,3	76,4
VV160	1600	1568	100	0,47	1,8	5,6	25	14,7	1,34	171,0	136,2	85,6
VV180	1800	1768	100	0,53	2,0	6,3	25	16,2	1,34	189,0	150,6	94,6
VV200	2000	1968	100	0,58	2,2	7,0	26	17,9	1,34	208,0	165,7	104,0
VV220	2200	2168	100	0,64	2,4	7,9	26	19,5	1,35	227,0	180,5	113,0
VV240	2400	2368	100	0,70	2,6	8,6	26	21,1	1,35	245,0	194,8	121,9
VV260	2600	2568	100	0,75	2,9	9,4	26	22,7	1,35	264,0	209,9	131,4
VV280	2800	2768	100	0,81	3,1	10,1	27	24,4	1,36	284,0	225,5	140,6

Zehnder Radiapanel

Model VLV vertical



H = Height
L = Length
N = Boss spacing
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

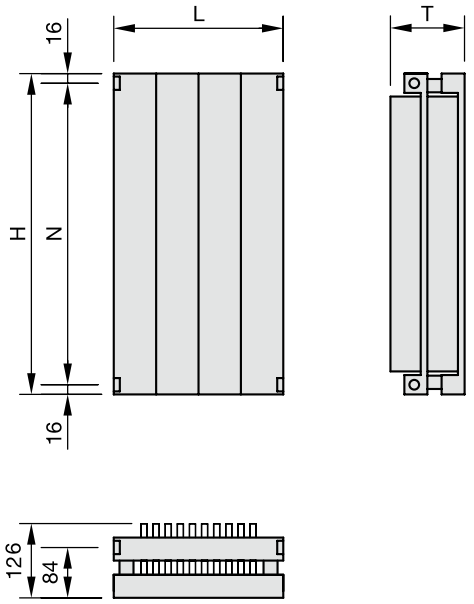
Dimensions in mm

Technical specifications per element

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
VLV080	800	274	768	100	0,36	0,9	3,5	20	9,8	1,35	114,5	91,0	57,0
VLV100	1000	548	968	100	0,54	1,1	4,7	21	11,6	1,35	135,1	107,4	67,2
VLV120	1200	548	1168	100	0,70	1,4	5,5	22	13,3	1,35	155,0	123,2	77,1
VLV140	1400	822	1368	100	0,77	1,6	6,7	22	15,0	1,35	174,3	138,6	86,8
VLV160	1600	822	1568	100	0,82	1,8	7,4	23	16,6	1,35	193,3	153,7	96,2
VLV180	1800	1096	1768	100	1,00	2,0	8,6	23	18,2	1,35	212,0	168,6	105,5
VLV200	2000	1096	1968	100	1,06	2,2	9,3	24	19,8	1,35	230,5	183,3	114,7
VLV220	2200	1096	2168	100	1,12	2,4	10,0	24	21,4	1,35	248,9	197,9	123,9

Zehnder Radiapanel

Model VLVL vertical



H = Height
L = Length
N = Boss spacing
T = Depth of radiator
A = Surface
V = Water content
M = Weight
s_k = Proportion of radiation
q_{ms} = Nominal flow rate
n = Exponent
Φ_S = Nominal heat output according to EN 442 (75/65/20 °C)
Φ = Thermal output at system temperatures

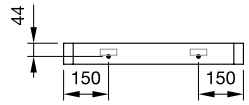
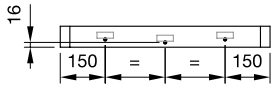
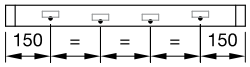
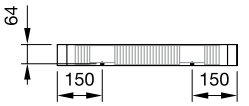
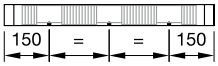
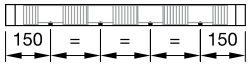
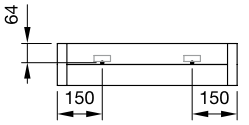
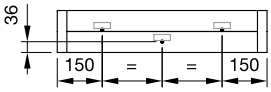
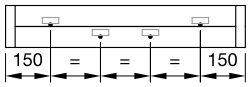
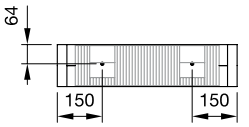
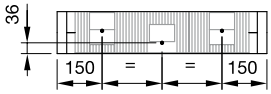
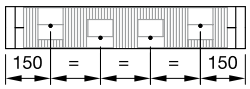
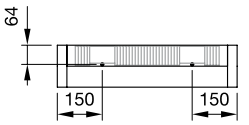
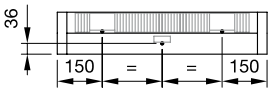
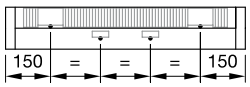
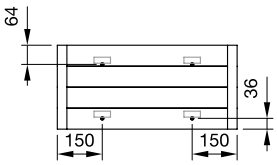
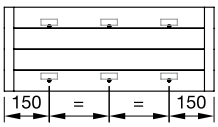
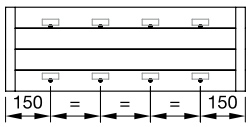
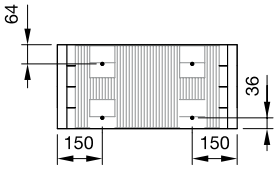
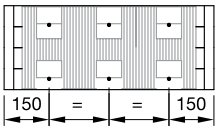
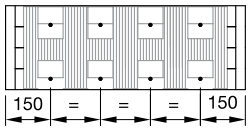
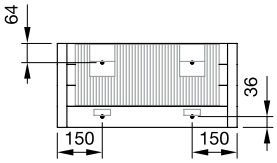
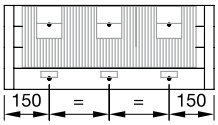
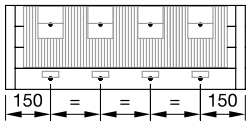
Dimensions in mm

Technical specifications per element

Model	H mm	H Fin mm	N mm	T mm	A m^2	V dm^3	M kg	s_k %	q_{ms} kg/h	Exp. n	Φ_s=ΔT 50 K EN442 Watt	Φ 70/55/20 °C Watt	Φ 55/45/20 °C Watt
VLVL080	800	274	768	126	0,48	0,9	4,2	17	12,0	1,33	139,4	111,2	70,1
VLVL100	1000	548	968	126	0,78	1,1	5,9	18	14,3	1,33	166,4	132,8	83,7
VLVL120	1200	548	1168	126	0,84	1,4	6,6	18	16,5	1,33	191,8	153,0	96,4
VLVL140	1400	822	1368	126	1,12	1,6	8,4	19	18,6	1,33	215,8	172,2	108,5
VLVL160	1600	822	1568	126	1,18	1,8	9,1	19	20,5	1,33	238,5	190,3	120,0
VLVL180	1800	1096	1768	126	1,48	2,0	10,8	19	22,4	1,33	260,1	207,6	130,8
VLVL200	2000	1096	1968	126	1,54	2,2	11,6	20	24,1	1,33	280,7	224,0	141,2
VLVL220	2200	1096	2168	126	1,60	2,4	12,4	20	25,8	1,33	300,3	239,6	151,0

Zehnder Radiapanel

Horizontal version, dimensions for drill holes when using bracket / set CVD (upper drill hole)

H = 70 [2]	B	L = 500 - 1500	B	L > 1500 - 3500	B	L > 3500 - 6000
Models H, HH, HLH	2		3		4	
Models HL, HLHL	2		3		4	
H = 140 [2]	**B**	**L = 500 - 1500**	**B**	**L > 1500 - 3500**	**B**	**L > 3500 - 6000**
Models H, HH, HLH	2		3		4	
Models HL, HLHL	2		3		4	
Models HL, HLHL	2		3		4	
H = 210 - 1680	**B**	**L = 500 - 1500**	**B**	**L > 1500 - 3500**	**B**	**L > 3500 - 6000**
Models H, HH, HLH	4		6		8	
Models HL, HLHL	4		6		8	
Models HL, HLHL – variable fins	4		6		8	

[2] Models with heights 70 and 140 mm may need to be stabilised by means of the connections, otherwise it is possible that the radiator may tip over due to the position of the mounting axes.

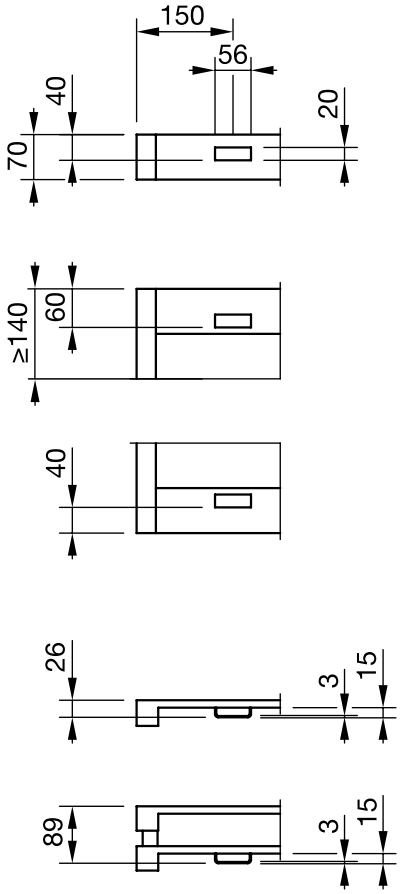
Dimensions in mm

• = Position of drill holes
L = Length
H = Height
B = Required number of brackets

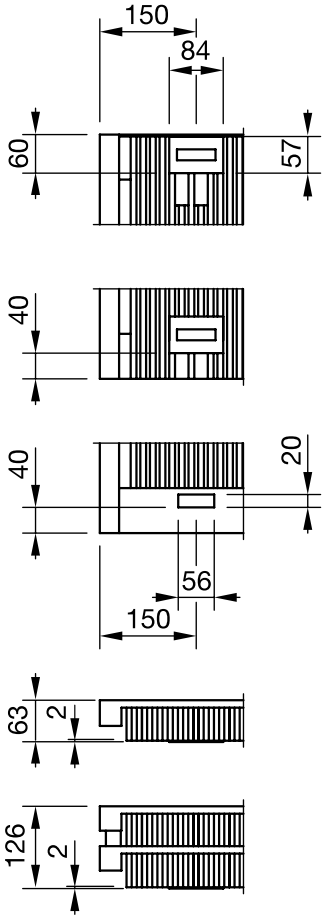
Zehnder Radiapanel

Detail of lugs for horizontal version

Models H, HH, HLH

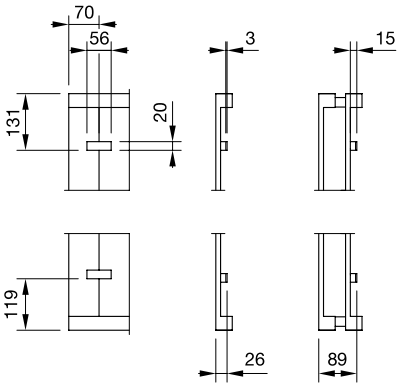


Models HL, HLHL

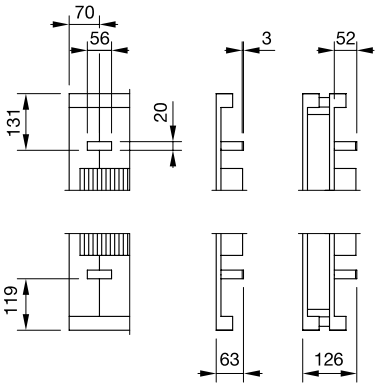


Detail of lugs for vertical version

V, VV, VLV



VL, VLVL



[1] Notes on load requirements, safety and installation conditions in the keyword list.

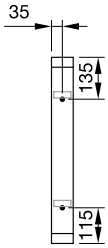
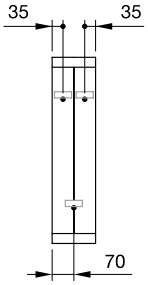
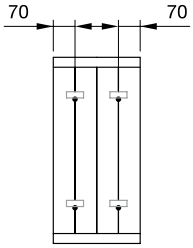
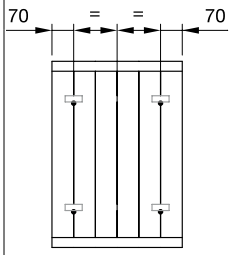
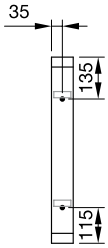
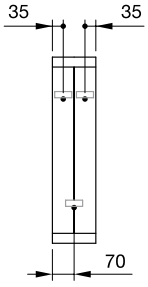
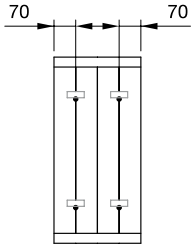
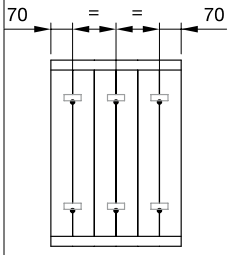
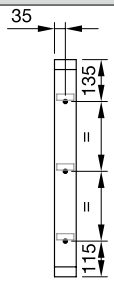
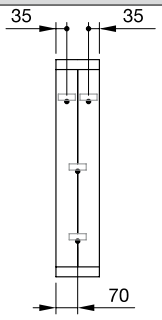
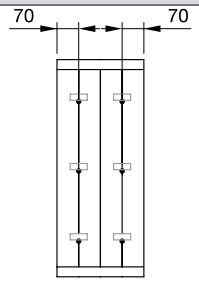
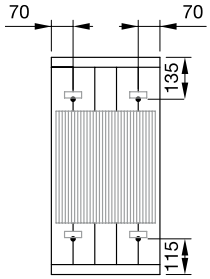
Dimensions in mm

[2] Models with heights 70 and 140 mm may need to be stabilised by means of the connections, otherwise it is possible that the radiator may tip over due to the position of the mounting axes.

• = Position of drill holes
L = Length in mm
H = Height
B = Required number of brackets

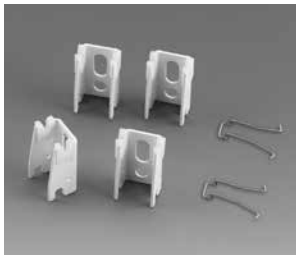
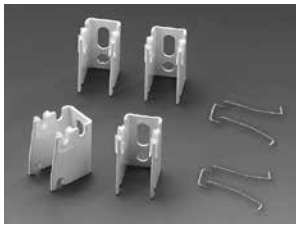
Zehnder Radiapanel

Vertical version, dimensions for drill holes when using bracket/set CVD (upper drill hole)

H = 600 - 1400	B	L = 70	B	L = 140	B	L = 210 - 1610	B	L = 1680 - 2100
Models V, VV, VLV	2		3		4		4	
H > 1400 - 2000		**L = 70**		**L = 140**		**L = 210 - 1610**		**L = 1680 - 2100**
Models V, VV, VLV	2		3		4		6	
H > 2000 - 3600		**L = 70**		**L = 140**		**L = 210 - 1750**		
Models V, VV, VLV	3		4		6			
H = 800 - 2200						**L = 210 - 1330**		
Models VL, VLVL					4			

Dimensions in mm

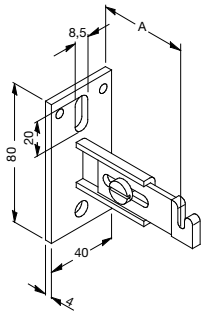
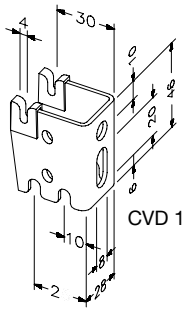
Sets for wall mounting

Description		Version	Article number	Price €	Application
Set AK1[1)] Fixing set, consisting of: - Bracket AK 1 Wall clearance 40 - 55 mm		RAL 9016 4 x AK 1 6 x AK 1 8 x AK 1 10 x AK 1	 796411 796611 796811 796911	 **54,73** **82,10** **109,45** **136,82**	For all radiators with suspension brackets or plates
Set BKE[1)] Wall hole Ø 18 mm, bracket length 160 mm Depth regulation and plastic head off-centre, height-adjustable 0 - 7 mm Fixing set, consisting of: - Build-in bracket BKE		Galvanised/ RAL 9016 4 x BKE 6 x BKE 8 x BKE 10 x BKE	 766432 766632 766832 766932	 **19,94** **29,92** **39,89** **49,82**	Zehnder Radiapanel (without fins)
Set CVD 0 Fixing set, consisting of: - Bracket CVD 0 - Attenuator (white) - Locking mechanism		RAL 9016 3 x CVD 0 4 x CVD 0 6 x CVD 0 8 x CVD 0 10 x CVD 0	 795301 795401 795601 795801 795901	 **10,18** **12,77** **18,12** **23,37** **28,66**	Zehnder Radiapanel (not all models)
Set CVD 1 Fixing set, consisting of: - Bracket CVD 1 - Attenuator (white) - Locking mechanism		RAL 9016 3 x CVD 1 4 x CVD 1 6 x CVD 1 8 x CVD 1 10 x CVD 1	 795311 795411 795611 795811 795911	 **10,18** **12,77** **18,12** **23,37** **28,66**	Zehnder Radiapanel (not all models)

Screws and anchors are not included in the scope of delivery. Accessories in special finishes not available as a set, see individual bracket

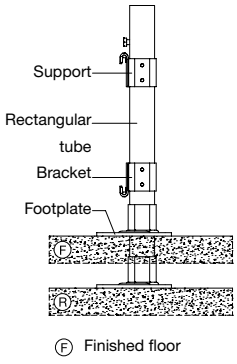
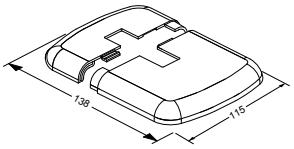
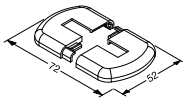
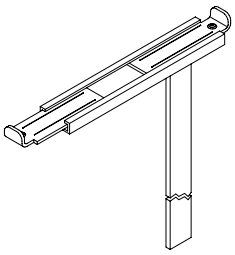
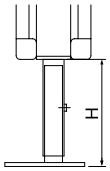
[1)] An on-site locking device may be required depending on the installation and connection situation and the net weight of the radiator

Individual brackets for wall mounting

Description		Version	Article number	**Price €**	Application
Wall bracket AK 1 [1)] With attenuator, clearance A 40 - 55 mm		RAL 9016 Special finish	796011 796019	**13,70** **23,85**	For all radiators with suspension brackets or plates
Wall bracket AK 2 [1)] With attenuator, clearance A 60 - 80 mm		RAL 9016 Special finish	796021 796029	**14,17** **24,34**	For all radiators with suspension brackets or plates
Build-in bracket BKE [1)] Wall hole Ø 18 mm, depth regulation and plastic head off-centre, height-adjustable 0 - 7 mm.		Galvanised L = 100 mm L = 130 mm L = 160 mm L = 200 mm L = 240 mm	 766012 766022 766032 766042 766052	 **4,55** **4,77** **4,98** **5,93** **7,31**	For all radiators with suspension brackets or plates
Wall bracket CVD 0 [1)] With attenuator, clearances 10/15 mm		RAL 9016 Special finish	795031 795039	**2,63** **7,74**	For all radiators with suspension brackets or plates
Wall bracket CVD 1 [1)] With attenuator, clearances 25/30 mm		RAL 9016 Special finish	795041 795049	**2,63** **7,74**	For all radiators with suspension brackets or plates
Wall bracket CVD 2 [1)] With attenuator, clearances 30/45/50 mm		RAL 9016 Special finish	795051 795059	**5,75** **10,79**	For all radiators with suspension brackets or plates
Retaining spring for CVD For wall brackets CVD 0, CVD 1 and CVD 2 with lugs with height 20 mm. Price valid for 2 retaining springs		Spring steel	948012	**2,24**	Zehnder Radiapanel

[1)] An on-site locking device may be required depending on the installation and connection situation and the net weight of the radiator.
In this case, retaining springs (suitable for the relevant product) or an on-site locking device must be provided.

Individual supports for floor mounting, etc.

Description		Version	Article number	Price €	Application
Floor bracket STF 1 for tightening With bracket, without bench frame, RAL 9016 **Comprising:** - Support - Rectangular tube - Bracket - Footplate - Sealing cap, plastic **Can be combined with:** **Cover AD 1** for footplate **Cover AR** for rectangular tube * The desired dimension depends on the sum of the floor construction, ground clearance and height of the radiator.		Dimension* 360 mm 410 mm 460 mm 510 mm 560 mm 610 mm 660 mm 710 mm 760 mm 810 mm 860 mm 910 mm 960 mm 1010 mm 1060 mm 1110 mm 1160 mm	 718011 718021 718031 718041 718051 718061 718071 718081 718091 718101 718111 718121 718131 718141 718151 718161 718171	 **61,78** **61,78** **61,78** **61,78** **61,78** **61,78** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99** **66,99**	For all radiators with lugs up to a construction height of 600 mm[1)] Exceptions: Zehnder Radiapanel Models V
Plastic cover AD 1 For footplate. Not included in price of STF, suitable for retrofitting		Plastic, white	703000	**14,95**	Floor brackets STF
Cover AR For rectangular tube. Not included in price of STF.		Plastic, white	704000	**3,88**	Floor brackets STF
Bench frame for floor bracket STF		Galvanised	713002	**28,48**	Floor brackets STF
Floor support, welded Height-adjustable, see fixing accessories in the relevant radiator chapter				**123,53**	Zehnder Radiapanel
Cover cap FK For base plate 45 x 95 mm		Plastic, white Special finish	753050 753059	**5,18** **9,53**	Floor bracket Zehnder Radiapanel

[1)] Provide additional bracket from a construction height (= radiator incl. bracket) greater than 600 mm for the requirements class 2.

Rails and hooks

Description		Version	Article number	**Price €**	Application
Magnetic towel rail for panel radiators Max. load 5 kg L = Attachment distance in mm Overall length = L + 102 mm		Chrome L = 297 mm L = 330 mm L = 429 mm	 471108 471118 471128	 **269,02** **280,57** **308,62**	Zehnder Radiapanel
Magnetic towel hooks for panel radiators Max. load 5 kg		Chrome	470328	**135,31**	Zehnder Radiapanel

Thermostats

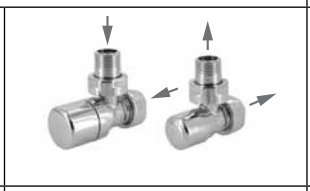
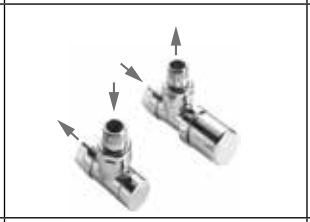
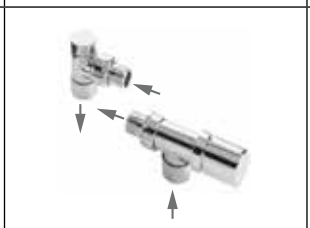
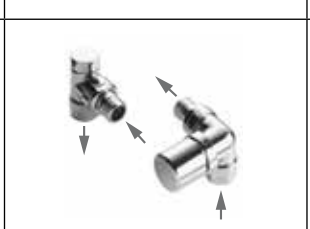
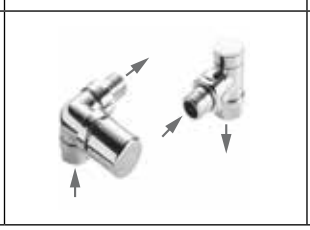
Description		Version	Article number	**Price €**	Application
Zehnder thermostat “LH2” Thermostat with integrated fluid sensor, tested according to EN 215. Can be restricted and locked to individual reference value of 7 to 28 °C. Version with zero setting and threaded connection for thermostat M 30 x 1,5		White Chrome	819140 819148	**35,02** **60,35**	For all radiators with threaded connection M 30 x 1,5 mm
Zehnder thermostat “DH” Thermostat with integrated expansion material sensor, reference value range 7 to 28 °C. Version with zero setting		White Chrome	819050 819058	**35,02** **53,36**	
Zehnder thermostat “SH” Elegant thermostat with integrated fluid sensor, tested according to EN 215, reference value range 7 to 28 °C. Version with zero setting. Thermostat threaded connection M 30 x 1,5 with coupling nut in chrome.		White Chrome Stainless steel	819080 819088 819082	**38,09** **53,47** **53,47**	
Zehnder thermostat „Design Line“ Thermostat with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5		White Chrome Stainless steel optic Special finish	841271 841278 853720 841279	**64,11** **64,11** **131,65** **73,79**	

All fittings etc. suitable for operating temperature max. 110 °C and operating pressure max. 10 bar, unless indicated otherwise.

Miscellaneous

Description		Version	Article number	**Price €**	Application
Adaptor nippel From ½" female thread to ¾" external thread for screwing with O-ring seal	No illustration		837110	**9,01**	For all radiators
Directional air vent, nickel-plated, self-sealing		¼" ⅜" ½" ⅛"	816010 816020 816030 816040	**4,17** **4,17** **4,17** **4,17**	For all radiators
Directional air vent, chrome-plated, self-sealing Suitable for max. operating pressure of 18 bar		½"	816070	**7,09**	
Blanking plug, nickel-plated, self-sealing		½"	974020	**2,39**	For all radiators
Blanking plug, chrome-plated Suitable for operating pressure up to max. 18 bar		½"	974058	**6,28**	
Angle adapter for thermostat M 30 x 1,5		White	819500	**13,92**	For all radiators with threaded connection M 30 x 1,5 mm
Lacquer aerosol Original paint, air-drying For improving the surface finish, 150 ml RAL 9001 (Cream White) RAL 9002 (Grey White) RAL 9010 (Pure White) RAL 9016 (Traffic White)		Colour: RAL 9001 RAL 9002 RAL 9010 RAL 9016	 977020 977050 977080 977090	 **30,75** **30,75** **30,75** **30,75**	
Lacquer pens Original paint, air-drying For repairing minor damage RAL 9010 (Pure White) RAL 9016 (Traffic White)		Colour: RAL 9010 RAL 9016 On request	 675020 675130 675000	 **26,18** **26,18** **26,18**	

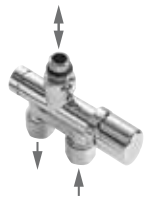
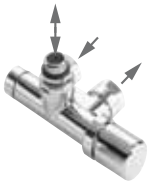
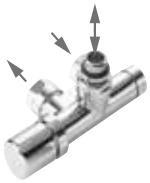
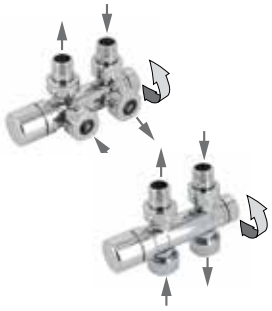
Zehnder Design Line Valve

Description		Version	Article number	**Price €**	Application
Valve set type A Angled flow and lockshield, themostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		Chrome	838888	**76,44**	For all radiators with ½" female thread
Valve set type B Angled flow and lockshield, manual handwheel thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	838891 838898	**119,66** **119,66**	
Valve set type C Straight flow and lockshield, manual handwheel themostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	838941 838948	**119,66** **119,66**	
Valve set type D Reverse flow and angled lockshield, manual handwheel themostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	838951 838958	**125,37** **125,37**	
Valve set type G Angled-angled flow head to the left, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel, lockshield angled, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	838981 838988	**133,41** **133,41**	
Valve set type I Angled-angled flow head to the right, manual handwheel, themostatic insert M 30 x 1,5 mm with pre-setting 1-7, lockshield angled, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	838991 838998	**133,41** **133,41**	

→ Direction of flow
All valves etc. suitable for operating temperature max. 110 °C and operating pressure max. 10 bar, if not indicated differently.
For further information, please see information in the keyword list.

All valves respectively connection fittings are delivered with handwheels as protection caps (thermostatic heads to be ordered separately) and union nuts as transition to the tube (matching adaptors and connection sets are to be ordered separately!) --> see page 71

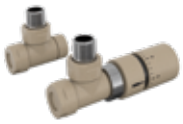
Zehnder Design Line

Description		Version	Article number	**Price €**	Application
Valve type J Single entry/monotube valve vertical, straight, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, turnable for manual handwheel to the left or right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes		White Chrome	839001 839008	**132,50** **132,50**	For all radiators with ½" female thread
Valve type K Single entry/monotube valve vertical, angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes		White Chrome	839011 839018	**129,26** **129,26**	
Valve type M Single entry/monotube valve vertical, angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the left, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes		White Chrome	839021 839028	**129,26** **129,26**	
Valve type N Single entry/monotube valve horizontal, straight, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the top, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body and dip tube, without adaptors for pipes		White Chrome	839031 839038	**173,82** **173,82**	
Valve type O 50 mm straight, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, turnable for manual handwheel to the left or right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	839041 839048	**132,50** **132,50**	
Valve type P 50 mm angled, with by-pass, to the right thermostatic insert M 30 x 1,5 mm, with pre-setting 1-7 and by-pass, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	839051 839058	**132,50** **132,50**	
Valve type Q 50 mm angled, with by-pass, to the left thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, manual handwheel, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	839101 839108	**132,50** **132,50**	
Valve type U 50 mm swiveling design valve straight or angled, with by-pass, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, manual handwheel to the left or to the right, including 2 pcs ¾" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes		White Chrome	839171 839178	**242,19** **242,19**	

Zehnder Design Line Coloured Valves

NEW!

zehnder

Description		Version	Article nr.	Price €	Application
Zehnder thermostat "Design Line" Thermostat with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5		Special finish	841279	**73,79**	For all radiators with ½" female thread, in colour of radiator
Valve set type B Angled flow and lockshield, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes. Thermostat Design Line with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.		Special finish Valve set with manual handwheel Valve set including Design Line thermostat	838899 839439	**119,66** **193,45**	
Valve type O 50 mm straight, thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, turnable to the left or right, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes. Thermostat Design Line with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.		Special finish Valve set with manual handwheel Valve set including Design Line thermostat	839049 839409	**132,50** **206,29**	
Valve type P 50 mm angled, with by-pass, to the right thermostatic insert M 30 x 1,5 mm, with pre-setting 1-7 and by-pass, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes. Thermostat Design Line with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.		Special finish Valve set with manual handwheel Valve set including Design Line thermostat	839059 839419	**132,50** **206,29**	
Valve type Q 50 mm angled, with by-pass, to the left thermostatic insert M 30 x 1,5 mm with pre-setting 1-7 and by-pass, including 2 pcs 3/4" Eurocone nuts Ø 16,8 mm in finish of valve body, without adaptors for pipes. Thermostat Design Line with integrated fluid sensor. Can be restricted and locked to individual reference value of 6,5 - 28 °C, connection for thermostat M 30 x 1,5.		Special finish Valve set with manual handwheel Valve set including Design Line thermostat	839109 839429	**132,50** **206,29**	

All valves etc. suitable for operating temperature max. 110 °C and operating pressure max. 10 bar, if not indicated differently.
For further information, please see information in the keyword list.

Zehnder Design Line Accessories

Description		Version	Article number	**Price €**	Application
Nut ½", 2 pcs Fe - ¾" Eurocone		White Chrome	842001 842008	**24,23** **24,23**	Adaptor for screw fittings with ½" external thread
Adaptors, 2 pcs Multilayer Ø 14 mm		Brass	842160	**11,41**	
Adaptors, 2 pcs Multilayer 16 x 2,0 mm		Brass	842060	**11,41**	Matching to Zehnder Design Line valves and union nuts (2 x ¾" Eurocone Ø 16,8 mm) which are in the scope of delivery
Adaptors, 2 pcs PEX 12 x 1,0 mm		Brass	842070	**11,41**	
Adaptors, 2 pcs Multilayer Ø 16 x 2,25 mm		Brass	842170	**11,41**	
Adaptors, 2 pcs					
Copper Ø 10 mm		Brass	842080	**7,13**	
Copper Ø 12 mm		Brass	842090	**7,13**	
Copper Ø 14 mm		Brass	842100	**7,13**	
Copper Ø 15 mm		Brass	842110	**7,13**	
Copper Ø 16 mm		Brass	842120	**7,13**	
Nuts Ø 18 mm - ¾" Eurocone **+ adaptors** copper Ø 18 mm **2 pcs**		Chrome / Brass	842140	**35,63**	
Nuts Ø 20,8 mm - ¾" Eurocone **+ adaptors** multilayer Ø 20 x 2 mm **2 pcs**		Chrome / Brass	842150	**35,63**	
Universal Adaptor set (without nuts ¾" Eurocone - Ø 16,8 mm) - 2 pcs Alu/Pex multilayer 16 x 2,0 mm - 2 pcs PEX 12 x 1 mm - 2 pcs CU 12 mm - 2 pcs CU 14 mm - 2 pcs CU 15 mm		Brass	842180	**39,90**	

Zehnder Design Line Accessories

Description		Version	Article number	**Price €**	Application
Sleeving kit					
L = 70 mm		Chrome	853738	**24,23**	For radiator installation
L = 160 mm		Chrome	853668	**31,33**	
Collar Ø45 mm					
for Ø ½"		White	816241	**2,85**	For existing connections
		Chrome	816248	**7,13**	
for Ø 10 mm		White	816251	**2,85**	
		Chrome	816258	**7,13**	
for Ø 12 mm		White	816261	**2,85**	
		Chrome	816268	**7,13**	
for Ø 14 mm		White	816271	**2,85**	
		Chrome	816278	**7,13**	
for Ø 15 mm		White	816281	**2,85**	
		Chrome	816288	**7,13**	
for Ø 16 mm		White	816291	**2,85**	
		Chrome	816298	**7,13**	
for Ø 18 mm		White	816301	**2,85**	
		Chrome	816308	**7,13**	

Notes

Keyword list

Accessories
A wide range of accessories are available for various additional uses, such as hanging up towels. For more information, see the section on “Accessories”.

Accessory set
To make accessories simple to choose, accessory sets are offered for each radiator. Detailed information is provided in the relevant section.

Baffle
To avoid reduced output, e.g. with a riding connection, internal installations, e.g. baffles, deflector plates, guide plates, are required. Detailed information is available on request.

Advantages
See “Product description”.

Brackets
Appropriate brackets are offered as an accessory set for the respective radiators. Detailed information is given alongside the relevant products and in the “Accessories” section.
Also see notes under “Fixings”.

CE marking
The CE marking on Zehnder radiators shows that they are manufactured in accordance with the prevailing European standard EN 442 and that the product has been subjected to the prescribed conformity evaluation procedure.

CE

The following parameters, which allow the CE mark to be shown, can be found in the respective product section:
- Model designation
- Max. operating pressure
- Nominal heat output

Product/product family	CE - Year
Zehnder Radiapanel	CE - 06

Clear Lacquer Version (Technoline)
See “Colours”

Connections
Each Zehnder radiator is supplied complete with connections. Unless stated otherwise, all connections are female threads. Unless a different dimension is specified, the supplied connections are ½”. Orders without a connection type number will always be delivered with the respective standard connection. Plastic plugs inserted to protect the thread must be removed and replaced with an directional air vent / draining valve or blind plug.

Conversion
Factor for converting the nominal heat output to thermal outputs at other system temperatures, see “Thermal output”.

Corrosion protection
See “Finish” and “Surface protection”.

Colours
Zehnder radiators are available in almost every colour conceivable. From all possible colours, the Zehnder colour chart shows a selection of colours from various colour systems, such as RAL colours, sanitary colours or colours from the NCS-S system.
The standard paint for the entire Zehnder radiator programme is the colour RAL 9016, Traffic White.
33 common colours make up Zehnder colour category 1, with an additional charge of 20%, 12 others colour make up category 2, with an additional charge of 30% on the standard finish. All other paintable colours are available for a surcharge on request. These colour deviations are not a fault and are therefore not subject to claims under warranty as described in our “General Sales and Delivery Conditions”.
Structural paints (structured paint surface) are possible on Zehnder radiators and also fall under category 2.
The Zehnder colour chart is printed on the inside of the rear catalogue cover.
For more information, see “Finish”.

Description
The description for a product contains all the information needed to create a specification or tender. The text-block structure simplifies the composition of all necessary features according to on-site requirements.

Dimensions
The dimensions indicated in the documentation are correct at the time of printing. Subject to change without notice.

Electric radiators and EcoDesign guidelines
The electric guidelines define fixed units consisting of a corpus, a filling medium (heat transfer liquid), a heating insert and a matching control device. This unit is the base for a function test and it may not be modified.
The heat transfer liquid is frost proof up to -20 °C, if there are no further restrictions listed in the standard scope of delivery for the corresponding radiator.
Electric radiators are subject to the EcoDesign guidelines. Aim of this guideline is the reduction of environmental impacts of relevant energy consumption production taking the product lifecycle into consideration. The fulfillment of the guideline is rated according a specific points system. Different functions are e.g. stand-by mode ≤ 05 W weekly program or open-window detection contribute in fulfilling the minimum requirements. The electrical radiators in this price-list match the EcoDesign guidelines.
Please note:
- The electrical installations need to be accordance with local guidelines.
- For fixed installations (without plug) a switch needs to be installed. (All poles of the power supply with min 3m contact distance.)
- The filling capacity may not be altered.
- The electric heating element and connection cable may only be opened and replaced by the manufacturer.
- When installing an electrical radiator, a qualified electrician is the competent person to contact.
- Follow the user manual precisely.

Environment
The certification of our environmental management system to DIN EN ISO 14 001 by an independent institution obliges us to make continuous improvements to our environmental services through reducing or avoiding environmental burdens and waste, encouraging the utilisation and protection of resources as well as observing all environmental laws and regulations applicable to us.

Finish
Ready-painted radiators in this price list have a two-coat finish (to DIN 55900, Part 1 and 2, comprising primer and top coat).
The top coat is a powder coating. The high-quality Zehnder powder coating produces an especially smooth and extremely durable surface. Further information on the applications and limits of radiators is contained in information sheet number 7 of the BDH (Bundesindustrieverband Deutschland, Haus-, Energie- und Umwelttechnik e.V.).
Please always use the original RAL, NCS colour samples or original colour charts of the sanitary manufacturers for exact colour matching. For technical production reasons, minor colour deviations are possible in paints on steel surfaces, also when taking the prevailing lighting conditions into account. Deviations can also occur when

Keyword list

comparing painted steel surfaces (radiators) with ceramic products. The colours shown here (see inside of rear cover) are not binding for printing reasons. Radiators in metallic colours, e.g. RAL 9006, RAL 9007 and Anthracite are unique products and visual differences may appear in the colour, depending on the radiator.

Fins
To increase the convective thermal output, convection fins are used.

Fixings
To ensure that radiators are fitted safely, the weight of the radiator and other aspects must be considered when choosing the right quality and quantity of fixings. Additional loads and foreseeable misuse of a radiator must be considered or ruled out by planning and implementation in line with the known building use. The installation situation and accessibility are just as important criteria as wall material, bracket shape, location of the suspension points, locking device, add-on elements and the like.
Detailed information on the required number of fixing axes in accordance with VDI 6036 requirements class 2 is given for the respective products in the section on “Installation accessories”. Recommendations for additional requirements classes on request. See also the key word VDI 6036.

Flow connection
This concerns the connection on the radiator through which the hot water flows into the radiator.

Galvanising

Product/product family	Maximum dimension galvanised
Zehnder Radiapanel	910 x 3000 mm

Only ½" connections or larger are possible. Curved or angled radiators cannot be galvanised. Galvanisation creates structures on the surface. These are caused by the technological process and therefore are not a fault. We cannot guarantee a clean, smooth surface. Galvanised radiators are generally delivered with a top coat. For explanation, see “Surface protection”.

Grille
Grilles can be ordered for various radiators. Detailed information is given alongside the relevant products. See keyword “Reduced output”.

Ground clearance
A reduction in the distance between the radiator and the floor can result in reduced output. For more information, see “Reduced output”.

Guide plate
See “Baffle”.

High pressure
Even with suitable radiators and accessory parts, pressure loads up to a maximum of 18 bar are only permitted if pressure surges can be excluded.

Hydraulic balancing
By hydraulic balancing the various system resistances are set so that the radiators are supplied with the necessary quantity of water at all operational points, in order to achieve the desired thermal output.

Hygiene version
Numerous Zehnder radiators are suitable for use in hygienically sensitive areas. Hygiene certificates can be requested for this.

Product/product family	Hygiene
Zehnder Radiapanel	X [1]

[1] only without fins

Immersion tube
Some types of connection require the installation of an immersion tube to achieve optimal heat distribution.

Inlet and outlet resistance
The resistance coefficient (zeta value) is used to calculate the pressure loss. For more information, see “Pressure loss”.

Installation in series
The installation in series of radiators refers to the series connection of several radiators. Detailed information is given alongside the relevant products.

Joining
Zehnder radiators in lengths above the set maximum number of elements are supplied in sub-blocks and must be joined together on site.

Lance valve
The lances must be shortened or extended, depending on the radiator and connection types. Detailed information is available on request. See keyword “Single-tube systems”.

Length restrictions
Avoiding damage during transport significantly increases the cost of packaging, which must be charged for accordingly.

Made to measure
Zehnder radiators can be customised (e.g. angled, curved, with welded brackets). Special shapes require templates to be made from solid materials (cardboard, packing paper) in order to guarantee quick and trouble-free processing. The support of the area manager can be used for a small charge.
Where necessary, the customer will receive a scale drawing of the version to be installed and final pricing for inspection and approval, after which the order will be manufactured. The order cannot be cancelled once placed.

Minimum water flow
If the flow of water through a radiator 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 following table shows the approximate minimum water flows $q_{m\ min}$ in % of the nominal flow rate q_{ms} which does not cause the thermal output to deviate from the standard characteristic curve by more than 5%.
For some radiators, similar conditions can be reached through additional installations, even at lower water flows as shown in the following table. More information is available on request.

Product/product family	$q_{m\ min}$ in % of q_{ms}
Zehnder Radiapanel - vertical models	17%
Zehnder Radiapanel - horizontal models	20%

Operating pressure
The maximum permissible operating pressure of a radiator depends on its geometry, the material used and the finish. The permissible operating pressure varies according to the product, see table:
Suitable fittings, plugs and directional air vents must be ensured in connection with high pressure applications in excess of 10 bar. See “High pressure”.

Product/product family	Standard version [bar]	High pressure version [bar]
Zehnder Radiapanel	5	10

Keyword list

Operating temperature
The coating of Zehnder radiators can be used for central heating systems up to 110 °C. It is suitable for use in district heating, low temperature and condensing systems.

Packaging
The packaging of Zehnder radiators serves as protection against damage during transport and on building sites. It must be removed before starting the system for the first time in order to avoid any damage caused by condensation.

Pressure loss
The pressure loss is determined using a zeta value of 2,5 per radiator for connection sizes from 3/8" to ¾" and a flow velocity of 1 m/sec. The inherent resistance of a radiator can be ignored. In special cases (e.g. where an integrated valve is fitted), information on pressure losses is provided.

Prices
Terms of delivery for quoted prices are: FCA Lahr. All prices are gross prices. Where prices are not stated or only shown with the proviso 'current list price', the valid list prices will be calculated on the day of delivery. Also see General Sales and Delivery Conditions.

Quality check
Zehnder Group Deutschland GmbH is certified to DIN ISO 9001 and is therefore subject to stringent quality controls carried out by independent institutions in the areas of design/development, production, assembly and customer service.

Reduced output
The thermal output can be affected depending on where the radiator is installed. The standard thermal output is measured in an unobstructed setting with a ground clearance of 110 mm and a wall clearance of 50 mm. Any reduction in these clearances, as well as installation in alcoves and the application of covers and grilles can, depending on the model, lead to a reduction in thermal output. In the case of grilles, this reduction can differ between 5 and 12%, depending on the radiator.

Reflective cover plates
The disadvantage of installing a radiator in front of external glazing is that heat is lost directly through the glass. The back of a radiator emits heat in the form of thermal radiation in the same way as the front. For wall mounted radiators, the thermal radiation is reflected or absorbed by the wall, whereas this long-wave radiation radiates almost unimpeded through the pane of glass when radiators are installed in front of windows, even at greater distances.
In order to avoid this unnecessary loss of heat and energy, radiators are available with a reflective cover plate fitted to the side of the radiator facing the window.
The requirement for thermal radiation shields previously anchored in the Federal Heat Insulation Ordinance (WVO) is also fulfilled as a result of this.
The installation of thermal radiation shields in front of external glazing is also expedient in times of the Energy Saving Ordinance (EnEV) and is recommended especially with low overall heat transfer resistance on the part of the windows.

Returns
Radiators and accessories cannot be returned.

Return connection
This concerns the connection on the radiator through which the hot water leaves the radiator and passes along the return line to the heat generator.

Safety
See "Statutory Accident Insurer".

Scope of delivery
The scope of delivery for the standard version of a radiator can be found in the respective product description.

Seal
In the case of sealed connections and plugs, it may be necessary to tighten up the connection and blind plugs depending on the water quality, e.g. in a remote heating connection, after testing the pressure or heating the system for the first time. The sealing materials supplied or used by Zehnder are intended for use in closed heating systems.

Single-tube system
We recommend using single-tube valves with an adjustable bypass or a ballast system (riser), i.e. with an adjustable water volume over the radiator. Essentially, a reduced output of at least 25% must be considered when using single-tube lance valves. Function is often guaranteed only for certain models and up to specific lengths. Maximum lengths and an indication of how the radiators function with various makes of valve is available on request.

Special finish
See "Finish" and "Colours".

Special versions

Product/product family	angled	bevelled	curved	Galva-nised
Zehnder Nova	X	-	-	X

Standard thermal output
The standard thermal output of a radiator is determined in an independent, certified test laboratory according to standard EN 442 at the standard operating temperatures of 75/65/20 °C. The conversion of the thermal output to other system temperatures is done on the basis of the standard thermal output according to EN 12831.
For easy dimensioning, additional outputs for frequently used temperatures are shown alongside the standard thermal output:
• 70/55/20 °C
• 55/45/20 °C

[1] Only horizontal, single-layer models
[2] Height max. 420 mm
[3] Only models with 4 mm gap
[4] Only vertical models
[5] Only single-layer models without fins

Standard colour/finish
The standard colour for Zehnder radiators is RAL 9016. Exceptions: Zehnder Fare Tech, Zehnder Alura Tech RAL 9010. For more information, see "Painting".

Storage
Zehnder radiators must be stored for the long-term or temporarily in dry and chemical-free rooms.

Structural finish
See "Finish".

Surface protection
We recommend that installation areas affected by damp or chemicals are only fitted with radiators that are galvanised and then given a powder coating. A polyzinc coating with subsequent powder-coating increases the corrosion protection of the radiator, depending on the surface geometry. Possible applications are available on request. (see also Galvanising)

Keyword list

System temperatures
These are the temperatures at which the hot water heating system is operated (flow, return and room temperature).

Technical specifications
The dimensions indicated in the documentation are correct at the time of printing. We reserve the right to make amendments that improve the product.

Technoline
See “Colours”

Test pressure
Each radiator is checked for leaks by subjecting it to 1,3 times its rated maximum operating pressure before delivery. For orders that do not indicate the required operating pressure, the radiator will be delivered with the operating pressure of the standard version.

Thermal output Φ
The thermal output of a radiator model is given by the standard characteristic curve:

$$\Phi = K_M \cdot \Delta T^n$$

EN 442 defines the test procedure and the measurement method in identically arranged test laboratories. A single, pan-European measuring method therefore replaces the previous measurements that varied from country to country.

The output given under the following conditions in accordance with EN 442 applies as the nominal heat output Φ_s:

Flow temperature	t_1	= 75 °C
Return temperature	t_2	= 65 °C
Mean water temperature	t_m	= 70 °C
Room temperature	t_r	= 20 °C
Excess temperature (t_m - t_r)	ΔT	= 50 K

Thermal outputs Φ (different ΔT than 50 K)
For all excess temperatures other than ΔT_n = 50 K, the thermal output is calculated in accordance with the formulae

$$\Phi = \Phi_s \times f_1 \text{ or } \Phi = \Phi_s \times \left(\frac{\Delta T}{\Delta T_n}\right)^n$$

ΔT is to be calculated logarithmically as follows:

$$\Delta T = \frac{(t_1 - t_r) - (t_2 - t_r)}{\ln\left(\frac{t_1 - t_r}{t_2 - t_r}\right)} = \frac{t_1 - t_2}{\ln\left(\frac{t_1 - t_r}{t_2 - t_r}\right)}$$

The excess temperature ΔT_n under standard conditions (75/65/20 °C) is, as a logarithmic excess temperature

$$\Delta T_n = \frac{75 - 65}{\ln\left(\frac{75 - 20}{65 - 20}\right)} = 49{,}83 \text{ K}$$

The entire calculation process can be avoided by using the tables on page 78/79.
These can be used to directly read off the f1 factor for known system temperatures (t_1, t_2, t_r) and radiator exponents. For other system temperatures, f_1 must be determined mathematically according to the specified formulae.

Examples for the dimensioning of radiators

1. Example of Zehnder Radiapanel:

Model H56, length 2000 mm
Φ_s = 1170 W, exponent n = 1,25
t_1 = 70 °C, t_2 = 50 °C, t_r = 22 °C
Determine the f_1 factor from the table on page 78/79.

Φ = 1170 W x 0,692 = 809 W

Tolerances
Industry standard tolerances and tolerances based on production technology are subject to change for all indicated dimensions and fall within the tolerances defined in EN 442. The maximum tolerance must be considered during pre-assembly of the pipework or fixing materials. We reserve the right to make technical amendments during the validity of the documentation as part of product improvement.

VDI 6036
Application of the directive VDI 6036 assists all participants in the process to make a comprehensive and comparable assessment of the installation situation. As an accepted rule of technology, this directive and the resulting assessment can also be drawn on for regulation purposes in the event of damages. Directive VDI 6036 classifies applications for radiator fastenings into various requirements classes with different loads. Additional loads for various intensities of misuse can be added to the net weight and water content of the radiator as required. Zehnder issues standard assignment recommendations for requirements class 2, and for stable wall constructions (e.g. concrete) for selected fixing pieces - unless otherwise marked. Assignment recommendations for requirements class 3 and for special custom applications (requirements class 4) on request.

Example applications from VDI 6036:

Requirements class 2 (normal and increased requirements):
owner-occupied homes, rented flats, kindergartens, hospitals, retirement and nursing homes, office buildings, doctors’ surgeries/ lawyers offices, retail outlets.
Requirements class 3 (high-level requirements):
schools, sports facilities, youth centres, meeting places, railway stations, barracks
Requirements class 4 (very high-level requirements or special burdens):
prisons, psychiatric institutions, special agreements

Wall clearance
This is the distance between the wall and the back of the radiator. For more information, see “Reduced output”.

Warranty
The warranty period shall be sixty (60) months from date of delivery to Buyer. Excluded are electrical radiators, electrical and electronic components. The warranty period for these products is twenty-four (24) months.

Keyword list

Water quality
Operating conditions and water quality according to VDI 2035 must be maintained.
Claims under guarantee will be rejected if substances (e.g. chemicals, antifreeze, etc.) are added to the heating water which have an aggressive effect on the sealing material. In case of non compliance, no liability can be accepted in accordance with point 8 of our “General Sales and Delivery Conditions” for sealing material, nor for any resulting defects and consequences. Claims under guarantee in accordance with point 8 of our “General Sales and Delivery Conditions” will also be rendered invalid in case of:
- Operation with steam,
- Periodical or long-term draining of the system,
- Excessive sludge in the radiators and
- Occasional or constant seepage of oxygen into the system.

Wetrooms
See “Surface protection”

Legend

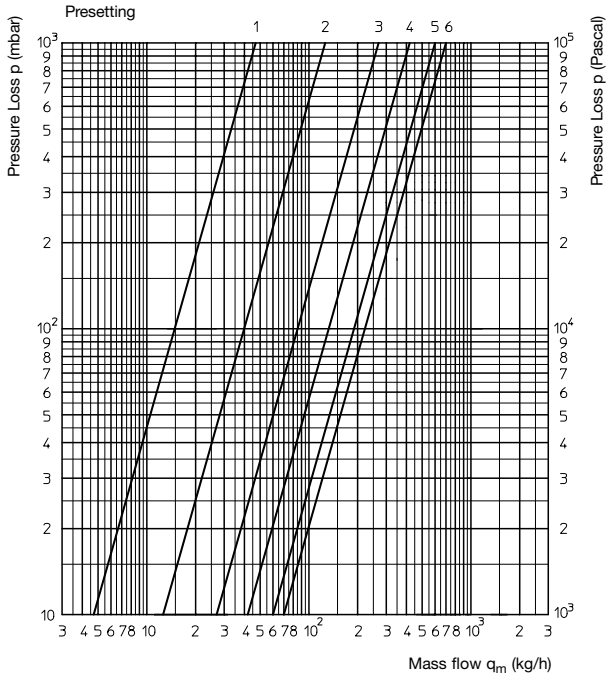
Icon	Unit	Description
H	mm	Height
L	mm	Length
T	mm	Depth
H Lam.	mm	Height of fins
N	mm	Boss spacing
A	m^2	Surface
V	dm^3	Water content
M	kg	Empty weight
N_S	-	Number of elements
t_1	°C	Flow temperature
t_2	°C	Return temperature
t_r	°C	Room air temperature
t_m	°C	Mean water temperature $(t_1+t_2)/2$
ΔT	K	Excess temperature t_m - t_r
Φ	W=(J/s)	Thermal output
$Φ_S$	W	Nominal heat output
$Φ_L$	W	Nominal heat output of the module
C_p	J/(kg K)	Specific heat capacity
n	-	Radiator indicator, exponent
S_k	%	Proportion of radiation
C_K	-	Conversion factor to $Φ_S$
q_m	kg/h/(kg/s)	Water flow
q_{ms}	kg/h/(kg/s)	Nominal flow rate
v	m/s	Velocity
Δp	kPa	Pressure loss, pressure drop
ζ	-	Resistance coefficient
ln	-	Natural logarithm

Physical unit

°C	Degrees, Celsius
K	Kelvin, unit for temperature difference
m	Metres
mm	Millimetres
m/s	Metres/second, flow rate
Pa	Pascal, 1 Pa = 0,102 mmWS
mmWS	mm water column
W	Watt, unit of power 1 W = 0,6 kilocalories/hour old unit of power, 1 kcal/h = 1,163 W
c	Specific heat capacity of water = 1 kcal/kg K = 4,187 kJ/kg K
kJ	Kilojoule, 1 kJ = 0,239 kcal

Pressure loss diagram valves

Valve insert AV6, A (Oventrop) – with integrated valve: Zehnder Radiapanel



Presetting	1	2	3	4	5	6
kv-value	0,047	0,126	0,269	0,417	0,6	0,7

Notes

Functional principle

ComfoFond
Geothermal heat exchanger (optional)

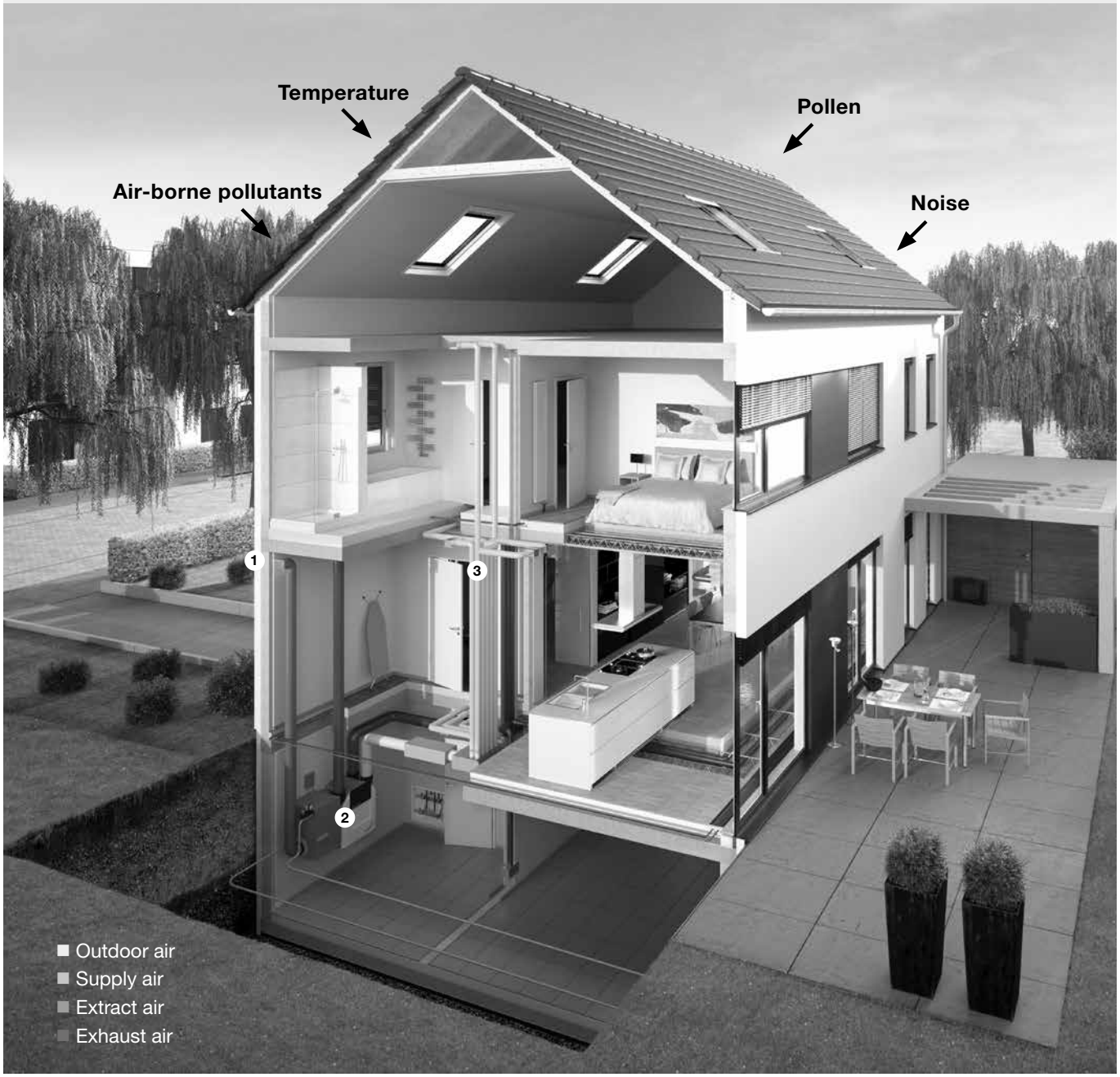
ComfoUnit
Ventilation units

ComfoFresh
Air distribution

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

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

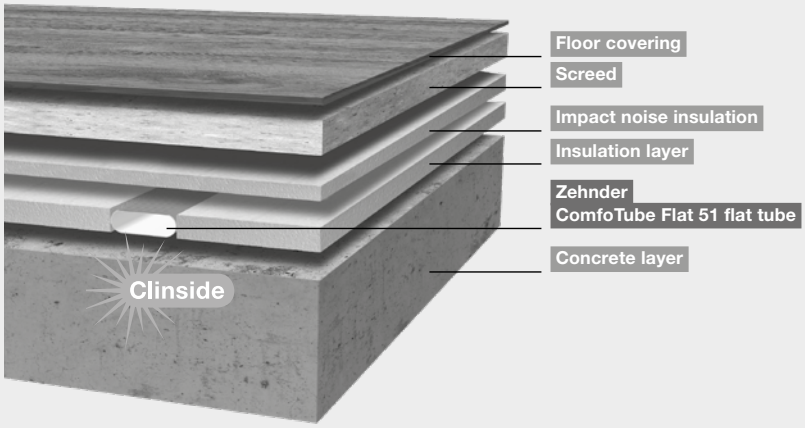
3. The Zehnder ComfoFresh air distribution system channels fresh air at the right temperature to individual rooms as needed and vents the extract air to the outside. The air volume can be individually adjusted for each room.



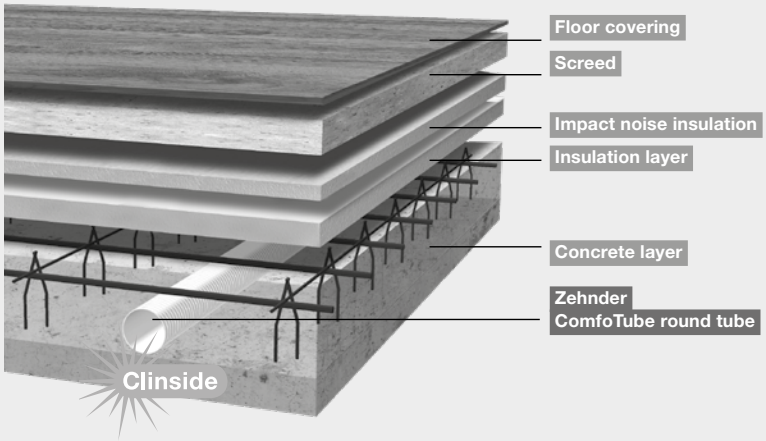
Air distribution system – effective and hygienic

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

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



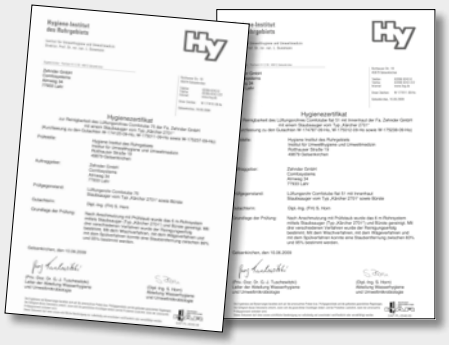
The air distribution system with round tube for cover, wall and floor (Zehnder InFloor)



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

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

Tested cleaning ability



Certificates issued by a recognised hygiene institute.

Advantages

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

Zehnder ComfoAir ventilation units

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

DESIGN AWARD 2017

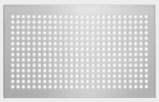
A+

PHI
Passive house certified

Zehnder ComfoAir Q350 TR

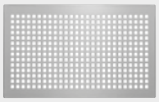
Zehnder designer grilles

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



Zehnder Roma

Zehnder Pisa



Zehnder Torino

Zehnder Venezia

Zehnder Sans soucis

Zehnder Sacré coeur

Warm colours

Colour category 1: CORE

White Quartz [1)]
0521

Pure White [2)]
RAL 9010 / 9010

Edelweiss
0067

Cream
RAL 9001 / 9001

Telegrey 4
RAL 7047 / 7247

Beige Quartz
0523

Golden Sand
0258

Yellow Grey
RAL 7034 / 7234

Pearl Beige
RAL 1035 / 1235

Beach Gold
0272

Concrete Grey
0265

Beige Grey
0267

Bronze
0276

Brown Quartz
0529

Dark Brown
0270

Grey Aluminium
9007

Anthracite
0346

Umbra Grey
RAL 7022 / 7222

Volcanic
0336

Surcharge for colour category 1: 20 %

Colour category 2: TREND

Pastel Green
RAL 6019 / 6219

Reseda Green
RAL 6011 / 6211

Cement Grey
RAL 7033 / 7233

Olive Green
RAL 6003 / 6203

Terracotta Faded
0299

Terracotta
0292

Ruby Red
RAL 3003 / 3003

Surcharge for colour category 2: 30 %

Unlike to the colour standard (here RAL tone) the Zehnder no. also includes the features matt respectively glossy. Therefore the RAL standard and Zehnder no. differ in many colours. Please note that the prices always relate to the given finishes matt or glossy, deviating finishes will be calculated like colours outside of the colour cart. These colours are finished with a gloss finish; all other colours are matt-finished.

1) Not for Zehnder Nova, Nova Neo and Excelsior
2) Standard colour for Fare Tech & Alura Tech, therefore Traffic White RAL 9016 with surcharge 20 % on category 1
3) Only for Zehnder Charleston and Zehnder Metropolitan

Cool colours

Colour category 1: CORE

White Matt
0556

Light Beige
0253

Light Grey
0262

White Aluminium
9006

Light Jeans
0264

Titane
0335

Inox Look
0332

Telegrey 2
RAL 7046 / 7246

Blue Grey
RAL 7031 / 7231

Anthracite Grey
RAL 7016 / 7016

Black Quartz
0550

Black Matt
0557

Traffic Black
RAL 9017 / 9217

Jet Black
RAL 9005 / 9005

Surcharge for colour category 1: 20 %

Colour category 2: TREND

Pastel Blue
RAL 5024 / 5224

Pigeon Blue
RAL 5014 / 5214

Gentian Blue
RAL 5010 / 5210

Sapphire Blue
RAL 5003 / 5203

Blue Night
0289

Surcharge for colour category 2: 30 %

STANDARD

Traffic White
RAL 9016 / 9016

FINISHES

Technoline (Clear) [3)]
0325

Chrome (Surface)
0008

Stainless steel brushed
9517

Some colours/surfaces are only available for selected products. Please also see the notes on the respective product pages. For Special surfaces of the Studio Collection, please see the respective product chapters. Special colours on request. Due to different manufacturing techniques of the original colours, deviations can occur in colour and polish.
RAL and NCS are designations from the manufacturer. The respective colour code (EDI) is set at the 9th and 10th places in the article no.

Other special finishes in the RAL, RAL-D, NCS-S, Sanitary, DB colour systems are available as required, surcharges on request.

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Z-SI-V1122-RAD-PRL-Radiapanel, en, subject to change without notice