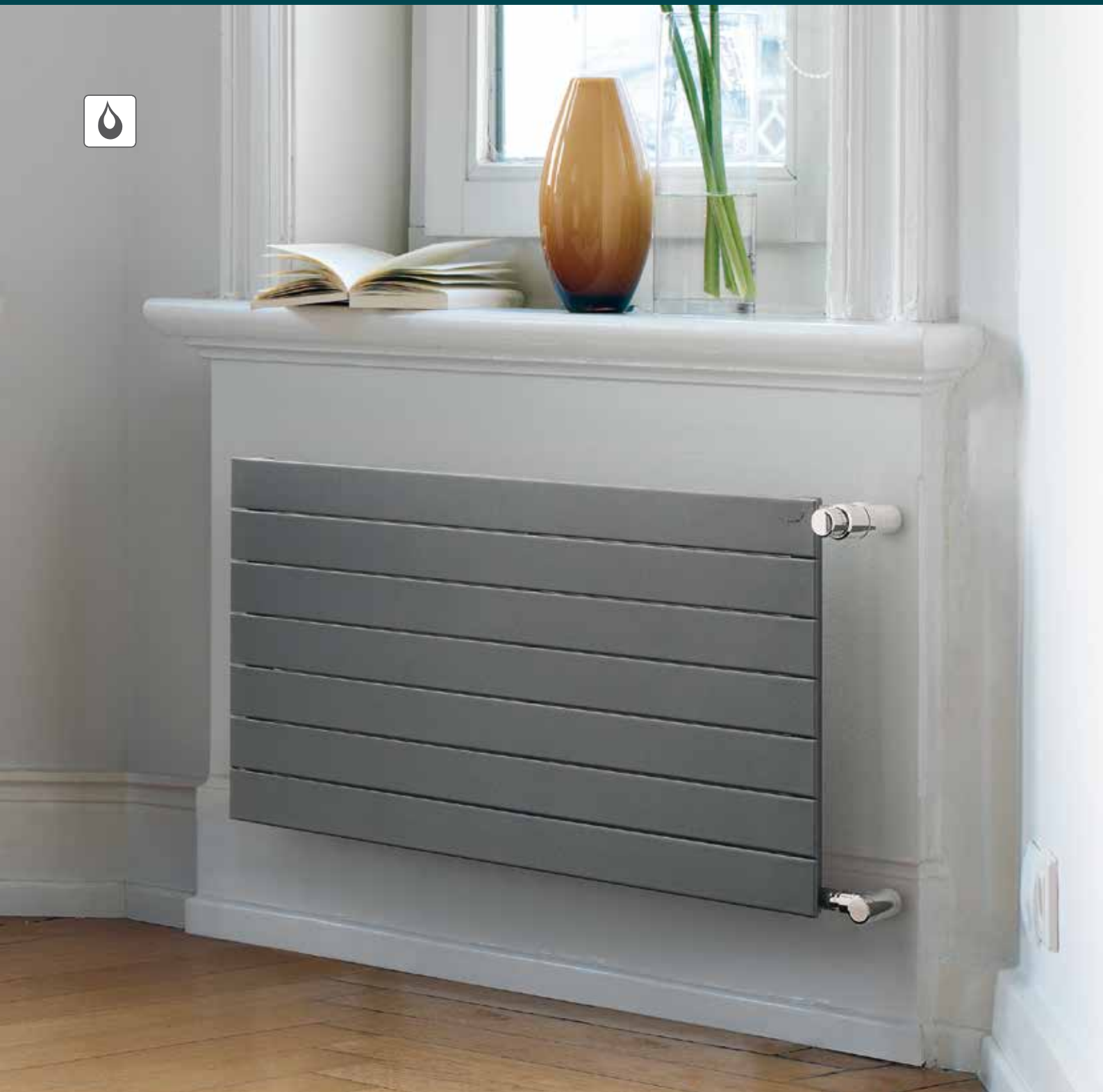
zehnder

Zehnder Nova

Prices and Technology 2023 - Sales International

always the best climate



ALWAYS THE BEST CLIMATE

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

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

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

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

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

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

OUR BRAND REPRESENTS INNOVATION, QUALITY AND DESIGN

zehnder

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

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:

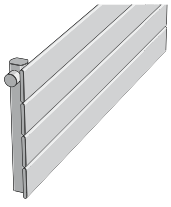
Our General Sales and Delivery Conditions apply. You can find these under “Legal notice” on our homepage at www.international.zehnder-systems.com.

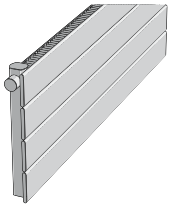
Hot water operation

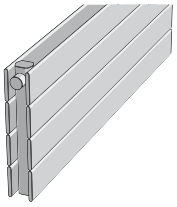
Zehnder Nova

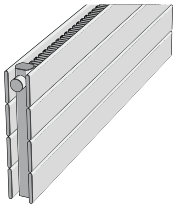
Zehnder Nova

Zehnder Nova Horizontal


NH


NHL


NHH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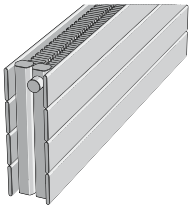
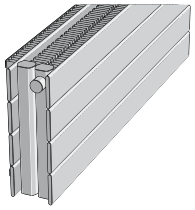

NHLLH


NHLLHL

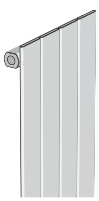
Height [1] mm	Depth mm					
	45	45/60	53	53	92	128
70	NH07	NHL07/07	NHH07	NHLH07/07	NHLLH07/07	NHLLHL07/07
140	NH14	NHL14/14	NHH14	NHLH14/14	NHLLH14/14	NHLLHL14/14
210	NH21	NHL21/21	NHH21	NHLH21/21	NHLLH21/21	NHLLHL21/21
280	NH28	NHL28/28	NHH28	NHLH28/28	NHLLH28/28	NHLLHL28/28
350	NH35	NHL35/35	NHH35	NHLH35/35	NHLLH35/35	NHLLHL35/35
420	NH42	NHL42/42	NHH42	NHLH42/42	NHLLH42/42	NHLLHL42/42
490	NH49	NHL49/49	NHH49	NHLH49/49	NHLLH49/49	NHLLHL49/49
560	NH56	NHL56/56	NHH56	NHLH56/56	NHLLH56/56	NHLLHL56/56
630	NH63	NHL63/56	NHH63	NHLH63/56	NHLLH63/56	NHLLHL63/56
700	NH70	NHL70/56	NHH70	NHLH70/56	NHLLH70/56	NHLLHL70/56
770	NH77	NHL77/56	NHH77		NHLLH77/56	NHLLHL77/56
840	NH84	NHL84/56	NHH84		NHLLH84/56	NHLLHL84/56
910	NH91					
980	NH98					
1050	NH105					
1120	NH112					
1190	NH119					
1260	NH126					
1330	NH133					
1400	NH140					
1470	NH147					
1540	NH154					
1610	NH161					
1680	NH168					

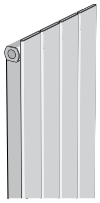
All horizontal models from a height of 140 mm with additional fins can also be ordered with a reduced fin height.

[1] The values specified here are the so-called nominal height; the exact height varies by a few millimetres, see "Technical specifications".

Zehnder Nova

Zehnder Nova Vertical


NV


NVL


NVV


NVV-4SR


NVLV

Height mm	Depth mm				
	45	58	53	92	110
600	NV60	NVL60	NVV60	NVV60-4SR	NVLV60
800	NV80	NVL80	NVV80	NVV80-4SR	NVLV80
1000	NV100	NV100	NVV100	NVV100-4SR	NVLV100
1200	NV120	NVL120	NVV120	NVV120-4SR	NVLV120
1400	NV140	NVL140	NVV140	NVV140-4SR	NVLV140
1600	NV160	NVL160	NVV160	NVV160-4SR	NVLV160
1800	NV180	NVL180	NVV180	NVV180-4SR	NVLV180
2000	NV200	NVL200	NVV200	NVV200-4SR	NVLV200
2200	NV220	NVL220	NVV220	NVV220-4SR	NVLV220
2400	NV240	NVL240	NVV240	NVV240-4SR	NVLV240
2600	NV260	-	NVV260	NVV260-4SR	-
2800	NV280	-	NVV280	NVV280-4SR	-
3000	NV300	-	NVV300	NVV300-4SR	-

NVL, NVLV: With side cover as standard, intermediate heights on request.
Heights greater than 3000 mm possible for models NV, NVV and NVV-4SR, on request.

Zehnder Nova


Zehnder Nova (horizontal)


Zehnder Nova (vertical)


Valve at front

Product description

Zehnder Nova is a heating panel with a modern look and the latest technology. The benefits of a radiator made from individual tubes come together elegantly with the look of a flat radiator. In Zehnder Nova, this is done without visible welds and roundings, while straight tubing with 1 mm spacing in a horizontal or vertical direction forms the basic structure. The targeted channelling of water within the radiator enables a variety of connection options with assured thermal output, including solutions with integrated valves at a user-friendly level on the side or front.
The large model range allows the desired radiator to be adapted to every application.
Depending on where they are used, heating panels with fins need grilles. That's no problem for Zehnder Nova. A grille that causes hardly any reduction in performance is available for all horizontal models and side covers for all vertical ones.
Colour plays a decisive role, especially with large radiators such as a heating panel. To allow this effect to develop, Zehnder Nova is available in all colours of the Zehnder colour chart and in other colours on request.

Technical specifications

- Flat tubes 70 x 8 mm
- Maximum operating pressure 4,5 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
- Various connection options
- Integrated valve at side or in the front
- Ultra-fine control with integrated valve

Advantages

- Wide range of models
- Modern look
- Low water content
- Quick response time
- Special solutions

Scope of delivery for standard version

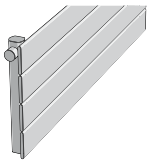
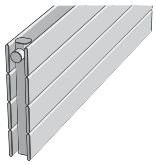
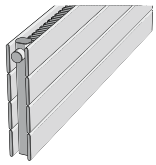
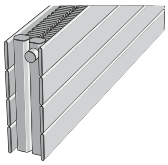
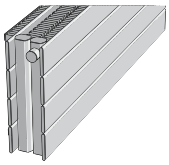
- Primed and painted in RAL 9016
- Horizontal models: Connections 3 x ½" female thread on front for same-end connection and directional air vent
- Vertical models: Connections 4 x ½" front
- With welded lugs
- Vertical models NVL and NVLV with side cover
- Packaging in film and cardboard

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
- Connections 2 x ½" female thread at bottom with 50 mm spacing
- Connection for venting 1 x ½"
- Vertical models with side covers
- With welded lugs
- Packaging in film and cardboard

Zehnder Nova

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

Height	mm	70											
													
Model		**NH07**		**NHL07/07**		**NHH07**		**NHLH07/07**		**NHLLH07/07**		**NHLLHL07/07**	
Depth	mm	45		45		53		53		92		128	
Height of fins	mm	-		55		-		55		55		55	
Exponent	n	1,22		1,22		1,23		1,24		1,21		1,20	
Basic price	**€**	**81,42**		**155,97**		**114,54**		**197,38**		**358,16**		**370,34**	
Price/metre	**€**	**42,67**		**82,37**		**87,68**		**157,90**		**167,19**		**173,49**	
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		53	**102,76**	97	**197,16**	90	**158,38**	132	**276,33**	188	**441,76**	226	**457,09**
600		63	**107,02**	117	**205,39**	108	**167,15**	158	**292,12**	226	**458,47**	272	**474,43**
700		74	**111,29**	136	**213,63**	126	**175,92**	185	**307,91**	264	**475,19**	317	**491,78**
800		84	**115,56**	156	**221,87**	144	**184,68**	211	**323,70**	301	**491,91**	362	**509,13**
900		95	**119,82**	175	**230,10**	162	**193,45**	237	**339,49**	339	**508,63**	407	**526,48**
1000		105	**124,09**	194	**238,34**	179	**202,22**	263	**355,28**	376	**525,35**	452	**543,83**
1100		116	**128,36**	214	**246,58**	197	**210,99**	290	**371,07**	414	**542,07**	498	**561,18**
1200		126	**132,62**	233	**254,81**	215	**219,76**	316	**386,86**	452	**558,79**	543	**578,53**
1300		137	**136,89**	253	**263,05**	233	**228,52**	342	**402,65**	489	**575,51**	588	**595,88**
1400		147	**141,16**	272	**271,29**	251	**237,29**	369	**418,44**	527	**592,23**	633	**613,23**
1500		158	**145,43**	291	**279,53**	269	**246,06**	395	**434,23**	564	**608,95**	678	**630,58**
1600		168	**149,69**	311	**287,76**	287	**254,83**	421	**450,02**	602	**625,66**	724	**647,92**
1700		179	**153,96**	330	**296,00**	305	**263,60**	448	**465,81**	640	**642,38**	769	**665,27**
1800		189	**158,23**	350	**304,24**	323	**272,36**	474	**481,60**	677	**659,10**	814	**682,62**
1900		200	**162,49**	369	**312,47**	341	**281,13**	500	**497,39**	715	**675,82**	859	**699,97**
2000		210	**166,76**	388	**320,71**	358	**289,90**	526	**513,18**	752	**692,54**	904	**717,32**
2200		232	**175,29**	427	**337,18**	394	**307,44**	579	**544,76**	828	**725,98**	995	**752,02**
2400		252	**183,83**	466	**353,66**	430	**324,97**	632	**576,34**	903	**759,42**	1085	**786,72**
2600		273	**192,36**	505	**370,13**	466	**342,51**	684	**607,92**	978	**792,85**	1176	**821,41**
2800		294	**200,90**	544	**386,61**	502	**360,04**	737	**639,50**	1053	**826,29**	1266	**856,11**
3000		315	**209,43**	582	**403,08**	537	**377,58**	789	**671,08**	1128	**859,73**	1356	**890,81**
3200		336	**217,96**	621	**419,55**	573	**395,12**	842	**702,66**	1204	**893,17**	1447	**925,51**
3400		357	**226,50**	660	**436,03**	609	**412,65**	895	**734,24**	1279	**926,61**	1537	**960,21**
3600		378	**235,03**	699	**452,50**	645	**430,19**	947	**765,82**	1354	**960,04**	1628	**994,90**
3800		399	**243,57**	738	**468,98**	681	**447,72**	1000	**797,40**	1429	**993,48**	1718	**1.029,60**
4000		420	**252,10**	776	**485,45**	716	**465,26**	1052	**828,98**	1504	**1.026,92**	1808	**1.064,30**
4200		441	**260,63**	815	**501,92**	752	**482,80**	1105	**860,56**	1580	**1.060,36**	1899	**1.099,00**
4400		463	**269,17**	854	**518,40**	788	**500,33**	1158	**892,14**	1655	**1.093,80**	1989	**1.133,70**
4600		483	**277,70**	893	**534,87**	824	**517,87**	1210	**923,72**	1730	**1.127,23**	2080	**1.168,39**
4800		504	**286,24**	932	**551,35**	860	**535,40**	1263	**955,30**	1805	**1.160,67**	2170	**1.203,09**
5000		525	**294,77**	970	**567,82**	895	**552,94**	1315	**986,88**	1880	**1.194,11**	2260	**1.237,79**
5200		546	**303,30**	1009	**584,29**	931	**570,48**	1368	**1.018,46**	1956	**1.227,55**	2351	**1.272,49**
5400		567	**311,84**	1048	**600,77**	967	**588,01**	1421	**1.050,04**	2031	**1.260,99**	2441	**1.307,19**
5600		588	**320,37**	1087	**617,24**	1003	**605,55**	1473	**1.081,62**	2106	**1.294,42**	2532	**1.341,88**
5800		609	**328,91**	1126	**633,72**	1039	**623,08**	1526	**1.113,20**	2181	**1.327,86**	2622	**1.376,58**
6000		630	**337,44**	1164	**650,19**	1074	**640,62**	1578	**1.144,78**	2256	**1.361,30**	2712	**1.411,28**

Surcharge for Completto, valve at top, connections V013/V014 €: 181,73

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: 221,19

Warning: Weight over 100 kg

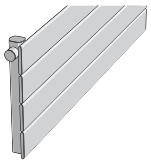
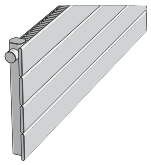
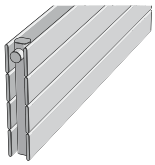
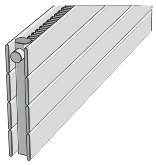
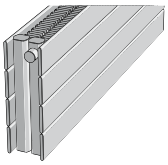
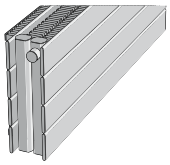
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	141											
													
Model		**NH14**		**NHL14/14**		**NHH14**		**NHLH14/14**		**NHLLH14/14**		**NHLLHL14/14**	
Depth	mm	45		45		53		53		92		128	
Height of fins	mm	-		125		-		125		125		125	
Exponent	n	1,23		1,23		1,24		1,25		1,23		1,23	
Basic price	**€**	**101,87**		**175,45**		**155,96**		**246,09**		**399,66**		**419,15**	
Price/metre	**€**	**68,23**		**115,94**		**138,92**		**218,32**		**236,81**		**249,56**	
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		91	**135,99**	170	**233,42**	152	**225,42**	221	**355,25**	315	**518,07**	382	**543,93**
600		110	**142,81**	204	**245,01**	182	**239,31**	266	**377,08**	378	**541,75**	458	**568,89**
700		128	**149,63**	238	**256,61**	213	**253,20**	310	**398,91**	441	**565,43**	535	**593,84**
800		146	**156,45**	272	**268,20**	243	**267,10**	354	**420,75**	504	**589,11**	611	**618,80**
900		164	**163,28**	306	**279,80**	273	**280,99**	398	**442,58**	567	**612,79**	687	**643,75**
1000		182	**170,10**	339	**291,39**	303	**294,88**	442	**464,41**	630	**636,47**	763	**668,71**
1100		201	**176,92**	373	**302,98**	334	**308,77**	487	**486,24**	693	**660,15**	840	**693,67**
1200		219	**183,75**	407	**314,58**	364	**322,66**	531	**508,07**	756	**683,83**	916	**718,62**
1300		237	**190,57**	441	**326,17**	394	**336,56**	575	**529,91**	819	**707,51**	992	**743,58**
1400		255	**197,39**	475	**337,77**	425	**350,45**	619	**551,74**	882	**731,19**	1069	**768,53**
1500		273	**204,22**	509	**349,36**	455	**364,34**	663	**573,57**	945	**754,88**	1145	**793,49**
1600		292	**211,04**	543	**360,95**	485	**378,23**	708	**595,40**	1008	**778,56**	1221	**818,45**
1700		310	**217,86**	577	**372,55**	516	**392,12**	752	**617,23**	1071	**802,24**	1298	**843,40**
1800		328	**224,68**	611	**384,14**	546	**406,02**	796	**639,07**	1134	**825,92**	1374	**868,36**
1900		346	**231,51**	645	**395,74**	576	**419,91**	840	**660,90**	1197	**849,60**	1450	**893,31**
2000		364	**238,33**	678	**407,33**	606	**433,80**	884	**682,73**	1260	**873,28**	1526	**918,27**
2200		401	**251,98**	746	**430,52**	667	**461,58**	973	**726,39**	1386	**920,64**	1679	**968,18**
2400		437	**265,62**	814	**453,71**	728	**489,37**	1061	**770,06**	1512	**968,00**	1832	**1.018,09**
2600		474	**279,27**	882	**476,89**	788	**517,15**	1150	**813,72**	1638	**1.015,37**	1984	**1.068,01**
2800		510	**292,91**	950	**500,08**	849	**544,94**	1238	**857,39**	1764	**1.062,73**	2137	**1.117,92**
3000		546	**306,56**	1017	**523,27**	909	**572,72**	1326	**901,05**	1890	**1.110,09**	2289	**1.167,83**
3200		583	**320,21**	1085	**546,46**	970	**600,50**	1415	**944,71**	2016	**1.157,45**	2442	**1.217,74**
3400		619	**333,85**	1153	**569,65**	1031	**628,29**	1503	**988,38**	2142	**1.204,81**	2595	**1.267,65**
3600		656	**347,50**	1221	**592,83**	1091	**656,07**	1592	**1.032,04**	2268	**1.252,18**	2747	**1.317,57**
3800		692	**361,14**	1289	**616,02**	1152	**683,86**	1680	**1.075,71**	2394	**1.299,54**	2900	**1.367,48**
4000		728	**374,79**	1356	**639,21**	1212	**711,64**	1768	**1.119,37**	2520	**1.346,90**	3052	**1.417,39**
4200		765	**388,44**	1424	**662,40**	1273	**739,42**	1857	**1.163,03**	2646	**1.394,26**	3205	**1.467,30**
4400		801	**402,08**	1492	**685,59**	1334	**767,21**	1945	**1.206,70**	2772	**1.441,62**	3358	**1.517,21**
4600		838	**415,73**	1560	**708,77**	1394	**794,99**	2034	**1.250,36**	2898	**1.488,99**	3510	**1.567,13**
4800		874	**429,37**	1628	**731,96**	1455	**822,78**	2122	**1.294,03**	3024	**1.536,35**	3663	**1.617,04**
5000		910	**443,02**	1695	**755,15**	1515	**850,56**	2210	**1.337,69**	3150	**1.583,71**	3815	**1.666,95**
5200		947	**456,67**	1763	**778,34**	1576	**878,34**	2299	**1.381,35**	3276	**1.631,07**	3968	**1.716,86**
5400		983	**470,31**	1831	**801,53**	1637	**906,13**	2387	**1.425,02**	3402	**1.678,43**	4121	**1.766,77**
5600		1020	**483,96**	1899	**824,71**	1697	**933,91**	2476	**1.468,68**	3528	**1.725,80**	4273	**1.816,69**
5800		1056	**497,60**	1967	**847,90**	1758	**961,70**	2564	**1.512,35**	3654	**1.773,16**	4426	**1.866,60**
6000		1092	**511,25**	2034	**871,09**	1818	**989,48**	2652	**1.556,01**	3780	**1.820,52**	4578	**1.916,51**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

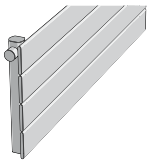
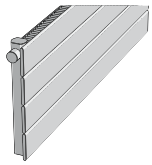
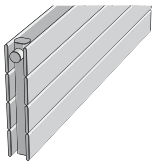
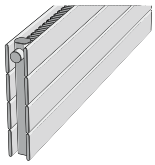
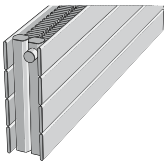
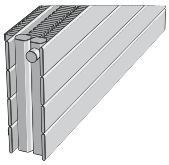
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	212											
													
Model		**NH21**		**NHL21/21**		**NHH21**		**NHLH21/21**		**NHLLH21/21**		**NHLLHL21/21**	
Depth	mm	45		45		53		53		92		128	
Height of fins	mm	-		195		-		195		195		195	
Exponent	n	1,23		1,25		1,24		1,27		1,25		1,25	
Basic price	**€**	**122,32**		**194,93**		**197,38**		**294,82**		**441,02**		**467,80**	
Price/metre	**€**	**93,81**		**149,62**		**190,10**		**278,76**		**306,51**		**325,55**	
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		127	**169,23**	228	**269,74**	208	**292,43**	298	**434,20**	429	**594,28**	519	**630,58**
600		153	**178,61**	274	**284,70**	249	**311,44**	357	**462,08**	515	**624,93**	623	**663,13**
700		178	**187,99**	320	**299,66**	291	**330,45**	417	**489,95**	600	**655,58**	726	**695,69**
800		204	**197,37**	365	**314,63**	332	**349,46**	476	**517,83**	686	**686,23**	830	**728,24**
900		229	**206,75**	411	**329,59**	374	**368,47**	536	**545,70**	772	**716,88**	934	**760,80**
1000		254	**216,13**	456	**344,55**	415	**387,48**	595	**573,58**	857	**747,53**	1037	**793,35**
1100		280	**225,51**	502	**359,51**	457	**406,49**	655	**601,46**	943	**778,18**	1141	**825,91**
1200		305	**234,89**	548	**374,47**	498	**425,50**	714	**629,33**	1029	**808,83**	1245	**858,46**
1300		331	**244,27**	593	**389,44**	540	**444,51**	774	**657,21**	1115	**839,48**	1349	**891,02**
1400		356	**253,65**	639	**404,40**	581	**463,52**	833	**685,08**	1200	**870,13**	1452	**923,57**
1500		381	**263,04**	684	**419,36**	623	**482,53**	893	**712,96**	1286	**900,79**	1556	**956,13**
1600		407	**272,42**	730	**434,32**	664	**501,54**	952	**740,84**	1372	**931,44**	1660	**988,68**
1700		432	**281,80**	776	**449,28**	706	**520,55**	1012	**768,71**	1457	**962,09**	1763	**1.021,24**
1800		458	**291,18**	821	**464,25**	747	**539,56**	1071	**796,59**	1543	**992,74**	1867	**1.053,79**
1900		483	**300,56**	867	**479,21**	789	**558,57**	1131	**824,46**	1629	**1.023,39**	1971	**1.086,35**
2000		508	**309,94**	912	**494,17**	830	**577,58**	1190	**852,34**	1714	**1.054,04**	2074	**1.118,90**
2200		559	**328,70**	1004	**524,09**	914	**615,60**	1309	**908,09**	1886	**1.115,34**	2282	**1.184,01**
2400		610	**347,46**	1095	**554,02**	996	**653,62**	1428	**963,84**	2057	**1.176,64**	2489	**1.249,12**
2600		661	**366,23**	1186	**583,94**	1079	**691,64**	1547	**1.019,60**	2229	**1.237,95**	2697	**1.314,23**
2800		712	**384,99**	1277	**613,87**	1162	**729,66**	1666	**1.075,35**	2400	**1.299,25**	2904	**1.379,34**
3000		762	**403,75**	1368	**643,79**	1245	**767,68**	1785	**1.131,10**	2571	**1.360,55**	3111	**1.444,45**
3200		813	**422,51**	1460	**673,71**	1328	**805,70**	1904	**1.186,85**	2743	**1.421,85**	3319	**1.509,56**
3400		864	**441,27**	1551	**703,64**	1411	**843,72**	2023	**1.242,60**	2914	**1.483,15**	3526	**1.574,67**
3600		915	**460,04**	1642	**733,56**	1494	**881,74**	2142	**1.298,36**	3086	**1.544,46**	3734	**1.639,78**
3800		966	**478,80**	1733	**763,49**	1577	**919,76**	2261	**1.354,11**	3257	**1.605,76**	3941	**1.704,89**
4000		1016	**497,56**	1824	**793,41**	1660	**957,78**	2380	**1.409,86**	3428	**1.667,06**	4148	**1.770,00**
4200		1067	**516,32**	1916	**823,33**	1743	**995,80**	2499	**1.465,61**	3600	**1.728,36**	4356	**1.835,11**
4400		1118	**535,08**	2007	**853,26**	1827	**1.033,82**	2618	**1.521,36**	3771	**1.789,66**	4563	**1.900,22**
4600		1169	**553,85**	2098	**883,18**	1909	**1.071,84**	2737	**1.577,12**	3943	**1.850,97**	4771	**1.965,33**
4800		1220	**572,61**	2189	**913,11**	1992	**1.109,86**	2856	**1.632,87**	4114	**1.912,27**	4978	**2.030,44**
5000		1270	**591,37**	2280	**943,03**	2075	**1.147,88**	2975	**1.688,62**	4285	**1.973,57**	5185	**2.095,55**
5200		1321	**610,13**	2372	**972,95**	2158	**1.185,90**	3094	**1.744,37**	4457	**2.034,87**	5393	**2.160,66**
5400		1372	**628,89**	2463	**1.002,88**	2241	**1.223,92**	3213	**1.800,12**	4628	**2.096,17**	5600	**2.225,77**
5600		1423	**647,66**	2554	**1.032,80**	2324	**1.261,94**	3332	**1.855,88**	4800	**2.157,48**	5808	**2.290,88**
5800		1474	**666,42**	2645	**1.062,73**	2407	**1.299,96**	3451	**1.911,63**	4971	**2.218,78**	6015	**2.355,99**
6000		1524	**685,18**	2736	**1.092,65**	2490	**1.337,98**	3570	**1.967,38**	5142	**2.280,08**	6222	**2.421,10**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

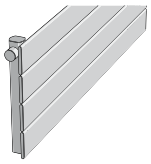
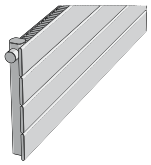
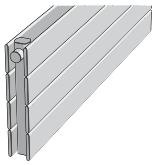
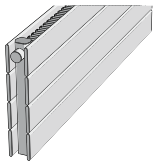
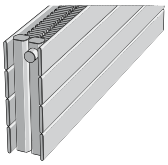
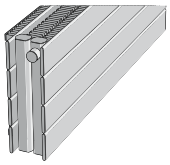
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	283											
													
Model		**NH28**		**NHL28/28**		**NHH28**		**NHLH28/28**		**NHLLH28/28**		**NHLLHL28/28**	
Depth	mm	45		45		53		53		92		128	
Height of fins	mm	-		265		-		265		265		265	
Exponent	n	1,24		1,26		1,25		1,29		1,28		1,28	
Basic price	**€**	**142,77**		**214,45**		**238,84**		**343,57**		**482,51**		**516,55**	
Price/metre	**€**	**119,41**		**183,25**		**241,22**		**339,17**		**376,24**		**401,60**	
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		162	**202,48**	273	**306,08**	261	**359,45**	365	**513,16**	531	**670,63**	641	**717,35**
600		194	**214,42**	327	**324,40**	314	**383,57**	438	**547,07**	638	**708,25**	769	**757,51**
700		227	**226,36**	382	**342,73**	366	**407,69**	511	**580,99**	744	**745,88**	897	**797,67**
800		259	**238,30**	436	**361,05**	418	**431,82**	584	**614,91**	850	**783,50**	1025	**837,83**
900		291	**250,24**	491	**379,38**	470	**455,94**	657	**648,82**	956	**821,13**	1153	**877,99**
1000		323	**262,18**	545	**397,70**	522	**480,06**	730	**682,74**	1062	**858,75**	1281	**918,15**
1100		356	**274,12**	600	**416,03**	575	**504,18**	804	**716,66**	1169	**896,37**	1410	**958,31**
1200		388	**286,06**	654	**434,35**	627	**528,30**	876	**750,57**	1275	**934,00**	1538	**998,47**
1300		420	**298,00**	709	**452,68**	679	**552,43**	949	**784,49**	1381	**971,62**	1666	**1.038,63**
1400		453	**309,94**	763	**471,00**	731	**576,55**	1022	**818,41**	1487	**1.009,25**	1794	**1.078,79**
1500		485	**321,89**	818	**489,33**	783	**600,67**	1095	**852,33**	1593	**1.046,87**	1922	**1.118,95**
1600		517	**333,83**	872	**507,65**	836	**624,79**	1168	**886,24**	1700	**1.084,49**	2050	**1.159,11**
1700		550	**345,77**	927	**525,98**	888	**648,91**	1241	**920,16**	1806	**1.122,12**	2178	**1.199,27**
1800		582	**357,71**	981	**544,30**	940	**673,04**	1314	**954,08**	1912	**1.159,74**	2306	**1.239,43**
1900		614	**369,65**	1036	**562,63**	992	**697,16**	1387	**987,99**	2018	**1.197,37**	2434	**1.279,59**
2000		646	**381,59**	1090	**580,95**	1044	**721,28**	1460	**1.021,91**	2124	**1.234,99**	2562	**1.319,75**
2200		711	**405,47**	1199	**617,60**	1149	**769,52**	1607	**1.089,74**	2337	**1.310,24**	2819	**1.400,07**
2400		776	**429,35**	1308	**654,25**	1253	**817,77**	1752	**1.157,58**	2549	**1.385,49**	3075	**1.480,39**
2600		840	**453,24**	1417	**690,90**	1358	**866,01**	1898	**1.225,41**	2762	**1.460,73**	3331	**1.560,71**
2800		905	**477,12**	1526	**727,55**	1462	**914,26**	2044	**1.293,25**	2974	**1.535,98**	3587	**1.641,03**
3000		969	**501,00**	1635	**764,20**	1566	**962,50**	2190	**1.361,08**	3186	**1.611,23**	3843	**1.721,35**
3200		1034	**524,88**	1744	**800,85**	1671	**1.010,74**	2336	**1.428,91**	3399	**1.686,48**	4100	**1.801,67**
3400		1099	**548,76**	1853	**837,50**	1775	**1.058,99**	2482	**1.496,75**	3611	**1.761,73**	4356	**1.881,99**
3600		1163	**572,65**	1962	**874,15**	1880	**1.107,23**	2628	**1.564,58**	3824	**1.836,97**	4612	**1.962,31**
3800		1228	**596,53**	2071	**910,80**	1984	**1.155,48**	2774	**1.632,42**	4036	**1.912,22**	4868	**2.042,63**
4000		1292	**620,41**	2180	**947,45**	2088	**1.203,72**	2920	**1.700,25**	4248	**1.987,47**	5124	**2.122,95**
4200		1357	**644,29**	2289	**984,10**	2193	**1.251,96**	3066	**1.768,08**	4461	**2.062,72**	5381	**2.203,27**
4400		1422	**668,17**	2398	**1.020,75**	2297	**1.300,21**	3213	**1.835,92**	4673	**2.137,97**	5637	**2.283,59**
4600		1486	**692,06**	2507	**1.057,40**	2402	**1.348,45**	3358	**1.903,75**	4886	**2.213,21**	5893	**2.363,91**
4800		1551	**715,94**	2616	**1.094,05**	2506	**1.396,70**	3504	**1.971,59**	5098	**2.288,46**	6149	**2.444,23**
5000		1615	**739,82**	2725	**1.130,70**	2610	**1.444,94**	3650	**2.039,42**	5310	**2.363,71**	6405	**2.524,55**
5200		1680	**763,70**	2834	**1.167,35**	2715	**1.493,18**	3796	**2.107,25**	5523	**2.438,96**	6662	**2.604,87**
5400		1745	**787,58**	2943	**1.204,00**	2819	**1.541,43**	3943	**2.175,09**	5735	**2.514,21**	6918	**2.685,19**
5600		1809	**811,47**	3052	**1.240,65**	2924	**1.589,67**	4088	**2.242,92**	5948	**2.589,45**	7174	**2.765,51**
5800		1874	**835,35**	3161	**1.277,30**	3028	**1.637,92**	4234	**2.310,76**	6160	**2.664,70**	7430	**2.845,83**
6000		1938	**859,23**	3270	**1.313,95**	3132	**1.686,16**	4380	**2.378,59**	6372	**2.739,95**	7686	**2.926,15**

Surcharge for Completto, valve at top, connections V013/V014 €: 181,73

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: 221,19

Warning: Weight over 100 kg

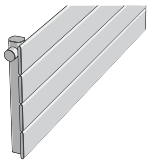
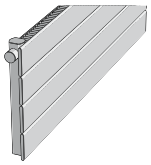
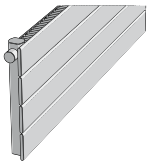
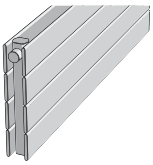
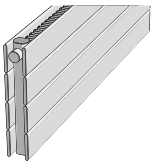
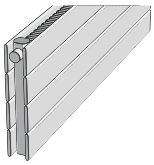
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	354											
													
Model		**NH35**		**NHL35/21**		**NHL35/35**		**NHH35**		**NHLH35/21**		**NHLH35/35**	
Depth	mm	45		60		60		53		53		53	
Height of fins	mm	-		195		330		-		195		330	
Exponent	n	1,24		1,25		1,27		1,25		1,28		1,30	
Basic price	**€**	**163,27**		**233,95**		**233,95**		**280,20**		**392,28**		**392,28**	
Price/metre	**€**	**145,00**		**198,37**		**216,85**		**292,40**		**381,12**		**399,66**	
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		196	**235,77**	303	**333,14**	355	**342,38**	313	**426,40**	387	**582,84**	425	**592,11**
600		235	**250,27**	364	**352,97**	426	**364,06**	376	**455,64**	464	**620,95**	510	**632,08**
700		274	**264,77**	425	**372,81**	497	**385,75**	439	**484,88**	542	**659,06**	595	**672,04**
800		313	**279,27**	485	**392,65**	568	**407,43**	501	**514,12**	619	**697,18**	680	**712,01**
900		352	**293,77**	546	**412,48**	639	**429,12**	564	**543,36**	696	**735,29**	765	**751,97**
1000		391	**308,27**	606	**432,32**	710	**450,80**	626	**572,60**	773	**773,40**	850	**791,94**
1100		431	**322,77**	667	**452,16**	782	**472,49**	689	**601,84**	851	**811,51**	936	**831,91**
1200		470	**337,27**	728	**471,99**	852	**494,17**	752	**631,08**	928	**849,62**	1020	**871,87**
1300		509	**351,77**	788	**491,83**	923	**515,86**	814	**660,32**	1005	**887,74**	1105	**911,84**
1400		548	**366,27**	849	**511,67**	994	**537,54**	877	**689,56**	1083	**925,85**	1190	**951,80**
1500		587	**380,77**	909	**531,51**	1065	**559,23**	939	**718,80**	1160	**963,96**	1275	**991,77**
1600		626	**395,27**	970	**551,34**	1136	**580,91**	1002	**748,04**	1237	**1.002,07**	1360	**1.031,74**
1700		665	**409,77**	1031	**571,18**	1207	**602,60**	1065	**777,28**	1315	**1.040,18**	1445	**1.071,70**
1800		704	**424,27**	1091	**591,02**	1278	**624,28**	1127	**806,52**	1392	**1.078,30**	1530	**1.111,67**
1900		743	**438,77**	1152	**610,85**	1349	**645,97**	1190	**835,76**	1469	**1.116,41**	1615	**1.151,63**
2000		782	**453,27**	1212	**630,69**	1420	**667,65**	1252	**865,00**	1546	**1.154,52**	1700	**1.191,60**
2200		861	**482,27**	1334	**670,36**	1563	**711,02**	1378	**923,48**	1701	**1.230,74**	1871	**1.271,53**
2400		939	**511,27**	1455	**710,04**	1704	**754,39**	1503	**981,96**	1856	**1.306,97**	2040	**1.351,46**
2600		1017	**540,27**	1576	**749,71**	1846	**797,76**	1628	**1.040,44**	2010	**1.383,19**	2210	**1.431,40**
2800		1095	**569,27**	1697	**789,39**	1988	**841,13**	1753	**1.098,92**	2165	**1.459,42**	2380	**1.511,33**
3000		1173	**598,27**	1818	**829,06**	2130	**884,50**	1878	**1.157,40**	2319	**1.535,64**	2550	**1.591,26**
3200		1252	**627,27**	1940	**868,73**	2272	**927,87**	2004	**1.215,88**	2474	**1.611,86**	2720	**1.671,19**
3400		1330	**656,27**	2061	**908,41**	2414	**971,24**	2129	**1.274,36**	2629	**1.688,09**	2890	**1.751,12**
3600		1408	**685,27**	2182	**948,08**	2556	**1.014,61**	2254	**1.332,84**	2783	**1.764,31**	3060	**1.831,06**
3800		1486	**714,27**	2303	**987,76**	2698	**1.057,98**	2379	**1.391,32**	2938	**1.840,54**	3230	**1.910,99**
4000		1564	**743,27**	2424	**1.027,43**	2840	**1.101,35**	2504	**1.449,80**	3092	**1.916,76**	3400	**1.990,92**
4200		1643	**772,27**	2546	**1.067,10**	2982	**1.144,72**	2630	**1.508,28**	3247	**1.992,98**	3570	**2.070,85**
4400		1721	**801,27**	2667	**1.106,78**	3125	**1.188,09**	2755	**1.566,76**	3402	**2.069,21**	3741	**2.150,78**
4600		1799	**830,27**	2788	**1.146,45**	3266	**1.231,46**	2880	**1.625,24**	3556	**2.145,43**	3910	**2.230,72**
4800		1877	**859,27**	2909	**1.186,13**	3408	**1.274,83**	3005	**1.683,72**	3711	**2.221,66**	4080	**2.310,65**
5000		1955	**888,27**	3030	**1.225,80**	3550	**1.318,20**	3130	**1.742,20**	3865	**2.297,88**	4250	**2.390,58**
5200		2034	**917,27**	3152	**1.265,47**	3692	**1.361,57**	3256	**1.800,68**	4020	**2.374,10**	4420	**2.470,51**
5400		2112	**946,27**	3273	**1.305,15**	3835	**1.404,94**	3381	**1.859,16**	4175	**2.450,33**	4590	**2.550,44**
5600		2190	**975,27**	3394	**1.344,82**	3976	**1.448,31**	3506	**1.917,64**	4329	**2.526,55**	4760	**2.630,38**
5800		2268	**1.004,27**	3515	**1.384,50**	4118	**1.491,68**	3631	**1.976,12**	4484	**2.602,78**	4930	**2.710,31**
6000		2346	**1.033,27**	3636	**1.424,17**	4260	**1.535,05**	3756	**2.034,60**	4638	**2.679,00**	5100	**2.790,24**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

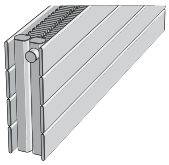
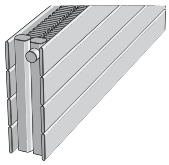
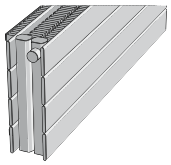
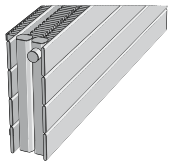
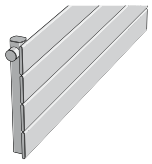
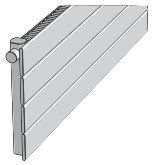
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	354								425			
													
Model		**NHLLH35/21**		**NHLLH35/35**		**NHLLHL35/21**		**NHLLHL35/35**		**NH42**		**NHL42/21**	
Depth	mm	92		92		128		128		45		60	
Height of fins	mm	195		330		195		330		-		195	
Exponent	n	1,27		1,30		1,27		1,30		1,25		1,26	
Basic price	**€**	**523,89**		**523,89**		**565,31**		**565,31**		**183,72**		**253,42**	
Price/metre	**€**	**408,92**		**445,94**		**422,99**		**477,58**		**170,53**		**222,71**	
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		531	**728,35**	625	**746,86**	612	**776,81**	752	**804,10**	230	**268,99**	337	**364,78**
600		638	**769,24**	750	**791,45**	735	**819,10**	903	**851,86**	276	**286,04**	404	**387,05**
700		744	**810,13**	875	**836,05**	857	**861,40**	1053	**899,62**	322	**303,09**	472	**409,32**
800		850	**851,03**	1000	**880,64**	980	**903,70**	1204	**947,37**	368	**320,14**	539	**431,59**
900		956	**891,92**	1125	**925,24**	1102	**946,00**	1354	**995,13**	414	**337,20**	606	**453,86**
1000		1062	**932,81**	1250	**969,83**	1224	**988,30**	1504	**1.042,89**	459	**354,25**	673	**476,13**
1100		1169	**973,70**	1375	**1.014,42**	1347	**1.030,60**	1655	**1.090,65**	505	**371,30**	741	**498,40**
1200		1275	**1.014,59**	1500	**1.059,02**	1469	**1.072,90**	1805	**1.138,41**	551	**388,36**	808	**520,67**
1300		1381	**1.055,49**	1625	**1.103,61**	1592	**1.115,20**	1956	**1.186,16**	597	**405,41**	875	**542,94**
1400		1487	**1.096,38**	1750	**1.148,21**	1714	**1.157,50**	2106	**1.233,92**	643	**422,46**	943	**565,21**
1500		1593	**1.137,27**	1875	**1.192,80**	1836	**1.199,80**	2256	**1.281,68**	689	**439,52**	1010	**587,49**
1600		1700	**1.178,16**	2000	**1.237,39**	1959	**1.242,09**	2407	**1.329,44**	735	**456,57**	1077	**609,76**
1700		1806	**1.219,05**	2125	**1.281,99**	2081	**1.284,39**	2557	**1.377,20**	781	**473,62**	1145	**632,03**
1800		1912	**1.259,95**	2250	**1.326,58**	2204	**1.326,69**	2708	**1.424,95**	827	**490,67**	1212	**654,30**
1900		2018	**1.300,84**	2375	**1.371,18**	2326	**1.368,99**	2858	**1.472,71**	873	**507,73**	1279	**676,57**
2000		2124	**1.341,73**	2500	**1.415,77**	2448	**1.411,29**	3008	**1.520,47**	918	**524,78**	1346	**698,84**
2200		2337	**1.423,51**	2750	**1.504,96**	2693	**1.495,89**	3309	**1.615,99**	1010	**558,89**	1481	**743,38**
2400		2549	**1.505,30**	3000	**1.594,15**	2938	**1.580,49**	3610	**1.711,50**	1102	**592,99**	1616	**787,92**
2600		2762	**1.587,08**	3250	**1.683,33**	3183	**1.665,08**	3911	**1.807,02**	1194	**627,10**	1750	**832,47**
2800		2974	**1.668,87**	3500	**1.772,52**	3428	**1.749,68**	4212	**1.902,53**	1286	**661,20**	1885	**877,01**
3000		3186	**1.750,65**	3750	**1.861,71**	3672	**1.834,28**	4512	**1.998,05**	1377	**695,31**	2019	**921,55**
3200		3399	**1.832,43**	4000	**1.950,90**	3917	**1.918,88**	4813	**2.093,57**	1469	**729,42**	2154	**966,09**
3400		3611	**1.914,22**	4250	**2.040,09**	4162	**2.003,48**	5114	**2.189,08**	1561	**763,52**	2289	**1.010,63**
3600		3824	**1.996,00**	4500	**2.129,27**	4407	**2.088,07**	5415	**2.284,60**	1653	**797,63**	2423	**1.055,18**
3800		4036	**2.077,79**	4750	**2.218,46**	4652	**2.172,67**	5716	**2.380,11**	1745	**831,73**	2558	**1.099,72**
4000		4248	**2.159,57**	5000	**2.307,65**	4896	**2.257,27**	6016	**2.475,63**	1836	**865,84**	2692	**1.144,26**
4200		4461	**2.241,35**	5250	**2.396,84**	5141	**2.341,87**	6317	**2.571,15**	1928	**899,95**	2827	**1.188,80**
4400		4673	**2.323,14**	5500	**2.486,03**	5386	**2.426,47**	6618	**2.666,66**	2020	**934,05**	2962	**1.233,34**
4600		4886	**2.404,92**	5750	**2.575,21**	5631	**2.511,06**	6919	**2.762,18**	2112	**968,16**	3096	**1.277,89**
4800		5098	**2.486,71**	6000	**2.664,40**	5876	**2.595,66**	7220	**2.857,69**	2204	**1.002,26**	3231	**1.322,43**
5000		5310	**2.568,49**	6250	**2.753,59**	6120	**2.680,26**	7520	**2.953,21**	2295	**1.036,37**	3365	**1.366,97**
5200		5523	**2.650,27**	6500	**2.842,78**	6365	**2.764,86**	7821	**3.048,73**	2387	**1.070,48**	3500	**1.411,51**
5400		5735	**2.732,06**	6750	**2.931,97**	6610	**2.849,46**	8122	**3.144,24**	2479	**1.104,58**	3635	**1.456,05**
5600		5948	**2.813,84**	7000	**3.021,15**	6855	**2.934,05**	8423	**3.239,76**	2571	**1.138,69**	3769	**1.500,60**
5800		6160	**2.895,63**	7250	**3.110,34**	7100	**3.018,65**	8724	**3.335,27**	2663	**1.172,79**	3904	**1.545,14**
6000		6372	**2.977,41**	7500	**3.199,53**	7344	**3.103,25**	9024	**3.430,79**	2754	**1.206,90**	4038	**1.589,68**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

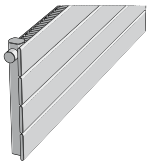
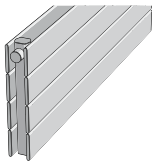
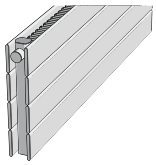
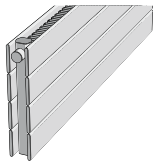
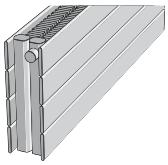
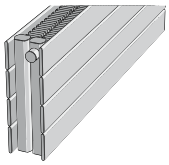
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	425											
													
Model		**NHL42/42**		**NHH42**		**NHLH42/21**		**NHLH42/42**		**NHLLH42/21**		**NHLLH42/42**	
Depth	mm	60		53		53		53		92		92	
Height of fins	mm	400		-		195		400		195		400	
Exponent	n	1,27		1,26		1,28		1,32		1,28		1,31	
Basic price	**€**	**253,42**		**321,60**		**441,02**		**441,02**		**565,31**		**565,31**	
Price/metre	**€**	**250,52**		**343,57**		**432,22**		**460,05**		**460,05**		**515,57**	
Length mm		Φ W	**Price €**	Φ W	**Price €**	Φ W	**Price €**	Φ W	**Price €**	Φ W	**Price €**	Φ W	**Price €**
500		407	**378,68**	365	**493,39**	433	**657,13**	481	**671,05**	585	**795,34**	712	**823,10**
600		489	**403,73**	438	**527,74**	519	**700,35**	578	**717,05**	702	**841,34**	855	**874,65**
700		570	**428,78**	511	**562,10**	606	**743,57**	674	**763,06**	819	**887,35**	997	**926,21**
800		652	**453,84**	584	**596,46**	692	**786,80**	770	**809,06**	936	**933,35**	1140	**977,77**
900		733	**478,89**	657	**630,81**	779	**830,02**	866	**855,07**	1053	**979,36**	1282	**1.029,32**
1000		814	**503,94**	729	**665,17**	865	**873,24**	962	**901,07**	1170	**1.025,36**	1424	**1.080,88**
1100		896	**528,99**	802	**699,53**	952	**916,46**	1059	**947,08**	1287	**1.071,37**	1567	**1.132,44**
1200		977	**554,04**	875	**733,88**	1038	**959,68**	1155	**993,08**	1404	**1.117,37**	1709	**1.183,99**
1300		1059	**579,10**	948	**768,24**	1125	**1.002,91**	1251	**1.039,09**	1521	**1.163,38**	1852	**1.235,55**
1400		1140	**604,15**	1021	**802,60**	1211	**1.046,13**	1347	**1.085,09**	1638	**1.209,38**	1994	**1.287,11**
1500		1221	**629,20**	1094	**836,96**	1298	**1.089,35**	1443	**1.131,10**	1755	**1.255,39**	2136	**1.338,67**
1600		1303	**654,25**	1167	**871,31**	1384	**1.132,57**	1540	**1.177,10**	1872	**1.301,39**	2279	**1.390,22**
1700		1384	**679,30**	1240	**905,67**	1471	**1.175,79**	1636	**1.223,11**	1989	**1.347,40**	2421	**1.441,78**
1800		1466	**704,36**	1313	**940,03**	1557	**1.219,02**	1732	**1.269,11**	2106	**1.393,40**	2564	**1.493,34**
1900		1547	**729,41**	1386	**974,38**	1644	**1.262,24**	1828	**1.315,12**	2223	**1.439,41**	2706	**1.544,89**
2000		1628	**754,46**	1458	**1.008,74**	1730	**1.305,46**	1924	**1.361,12**	2340	**1.485,41**	2848	**1.596,45**
2200		1791	**804,56**	1604	**1.077,45**	1904	**1.391,90**	2117	**1.453,13**	2574	**1.577,42**	3133	**1.699,56**
2400		1954	**854,67**	1750	**1.146,17**	2076	**1.478,35**	2309	**1.545,14**	2808	**1.669,43**	3418	**1.802,68**
2600		2117	**904,77**	1896	**1.214,88**	2249	**1.564,79**	2502	**1.637,15**	3042	**1.761,44**	3703	**1.905,79**
2800		2280	**954,88**	2042	**1.283,60**	2422	**1.651,24**	2694	**1.729,16**	3276	**1.853,45**	3988	**2.008,91**
3000		2442	**1.004,98**	2187	**1.352,31**	2595	**1.737,68**	2886	**1.821,17**	3510	**1.945,46**	4272	**2.112,02**
3200		2605	**1.055,08**	2333	**1.421,02**	2768	**1.824,12**	3079	**1.913,18**	3744	**2.037,47**	4557	**2.215,13**
3400		2768	**1.105,19**	2479	**1.489,74**	2941	**1.910,57**	3271	**2.005,19**	3978	**2.129,48**	4842	**2.318,25**
3600		2931	**1.155,29**	2625	**1.558,45**	3114	**1.997,01**	3464	**2.097,20**	4212	**2.221,49**	5127	**2.421,36**
3800		3094	**1.205,40**	2771	**1.627,17**	3287	**2.083,46**	3656	**2.189,21**	4446	**2.313,50**	5412	**2.524,48**
4000		3256	**1.255,50**	2916	**1.695,88**	3460	**2.169,90**	3848	**2.281,22**	4680	**2.405,51**	5696	**2.627,59**
4200		3419	**1.305,60**	3062	**1.764,59**	3633	**2.256,34**	4041	**2.373,23**	4914	**2.497,52**	5981	**2.730,70**
4400		3582	**1.355,71**	3208	**1.833,31**	3807	**2.342,79**	4233	**2.465,24**	5148	**2.589,53**	6266	**2.833,82**
4600		3745	**1.405,81**	3354	**1.902,02**	3979	**2.429,23**	4426	**2.557,25**	5382	**2.681,54**	6551	**2.936,93**
4800		3908	**1.455,92**	3500	**1.970,74**	4152	**2.515,68**	4618	**2.649,26**	5616	**2.773,55**	6836	**3.040,05**
5000		4070	**1.506,02**	3645	**2.039,45**	4325	**2.602,12**	4810	**2.741,27**	5850	**2.865,56**	7120	**3.143,16**
5200		4233	**1.556,12**	3791	**2.108,16**	4498	**2.688,56**	5003	**2.833,28**	6084	**2.957,57**	7405	**3.246,27**
5400		4396	**1.606,23**	3937	**2.176,88**	4671	**2.775,01**	5195	**2.925,29**	6318	**3.049,58**	7690	**3.349,39**
5600		4559	**1.656,33**	4083	**2.245,59**	4844	**2.861,45**	5388	**3.017,30**	6552	**3.141,59**	7975	**3.452,50**
5800		4722	**1.706,44**	4229	**2.314,31**	5017	**2.947,90**	5580	**3.109,31**	6786	**3.233,60**	8260	**3.555,62**
6000		4884	**1.756,54**	4374	**2.383,02**	5190	**3.034,34**	5772	**3.201,32**	7020	**3.325,61**	8544	**3.658,73**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

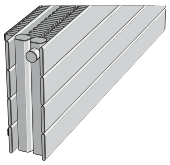
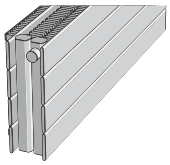
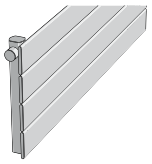
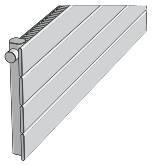
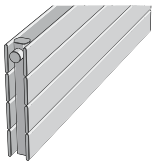
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	425				496							
													
Model		**NHLLHL42/21**		**NHLLHL42/42**		**NH49**		**NHL49/28**		**NHL49/49**		**NHH49**	
Depth	mm	128		128		45		60		60		53	
Height of fins	mm	195		400		-		265		471		-	
Exponent	n	1,27		1,31		1,25		1,26		1,28		1,26	
Basic price	**€**	**614,09**		**614,09**		**204,20**		**272,95**		**272,95**		**363,04**	
Price/metre	**€**	**471,76**		**553,63**		**196,10**		**356,35**		**284,10**		**394,75**	
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		667	**849,97**	856	**890,91**	264	**302,25**	395	**401,13**	459	**415,00**	416	**560,42**
600		800	**897,15**	1027	**946,27**	317	**321,86**	474	**426,76**	551	**443,41**	500	**599,89**
700		934	**944,32**	1198	**1.001,63**	369	**341,47**	553	**452,40**	642	**471,82**	583	**639,37**
800		1067	**991,50**	1369	**1.056,99**	422	**361,08**	632	**478,03**	734	**500,23**	666	**678,84**
900		1200	**1.038,67**	1540	**1.112,36**	475	**380,69**	711	**503,67**	826	**528,64**	749	**718,32**
1000		1333	**1.085,85**	1711	**1.167,72**	527	**400,30**	789	**529,30**	917	**557,05**	832	**757,79**
1100		1467	**1.133,03**	1883	**1.223,08**	580	**419,91**	868	**554,94**	1009	**585,46**	916	**797,27**
1200		1600	**1.180,20**	2054	**1.278,45**	633	**439,52**	947	**580,57**	1101	**613,87**	999	**836,74**
1300		1733	**1.227,38**	2225	**1.333,81**	686	**459,13**	1026	**606,21**	1193	**642,28**	1082	**876,22**
1400		1867	**1.274,55**	2396	**1.389,17**	738	**478,74**	1105	**631,84**	1284	**670,69**	1165	**915,69**
1500		2000	**1.321,73**	2567	**1.444,54**	791	**498,35**	1184	**657,48**	1376	**699,10**	1248	**955,17**
1600		2133	**1.368,91**	2738	**1.499,90**	844	**517,96**	1263	**683,11**	1468	**727,51**	1332	**994,64**
1700		2267	**1.416,08**	2909	**1.555,26**	896	**537,57**	1342	**708,75**	1559	**755,92**	1415	**1.034,12**
1800		2400	**1.463,26**	3080	**1.610,62**	949	**557,18**	1421	**734,38**	1651	**784,33**	1498	**1.073,59**
1900		2533	**1.510,43**	3251	**1.665,99**	1002	**576,79**	1500	**760,02**	1743	**812,74**	1581	**1.113,07**
2000		2666	**1.557,61**	3422	**1.721,35**	1054	**596,40**	1578	**785,65**	1834	**841,15**	1664	**1.152,54**
2200		2933	**1.651,96**	3765	**1.832,08**	1160	**635,62**	1736	**836,92**	2018	**897,97**	1831	**1.231,49**
2400		3200	**1.746,31**	4107	**1.942,80**	1265	**674,84**	1894	**888,19**	2201	**954,79**	1997	**1.310,44**
2600		3466	**1.840,67**	4449	**2.053,53**	1371	**714,06**	2052	**939,46**	2385	**1.011,61**	2164	**1.389,39**
2800		3733	**1.935,02**	4791	**2.164,25**	1476	**753,28**	2210	**990,73**	2568	**1.068,43**	2330	**1.468,34**
3000		3999	**2.029,37**	5133	**2.274,98**	1581	**792,50**	2367	**1.042,00**	2751	**1.125,25**	2496	**1.547,29**
3200		4266	**2.123,72**	5476	**2.385,71**	1687	**831,72**	2525	**1.093,27**	2935	**1.182,07**	2663	**1.626,24**
3400		4533	**2.218,07**	5818	**2.496,43**	1792	**870,94**	2683	**1.144,54**	3118	**1.238,89**	2829	**1.705,19**
3600		4799	**2.312,43**	6160	**2.607,16**	1898	**910,16**	2841	**1.195,81**	3302	**1.295,71**	2996	**1.784,14**
3800		5066	**2.406,78**	6502	**2.717,88**	2003	**949,38**	2999	**1.247,08**	3485	**1.352,53**	3162	**1.863,09**
4000		5332	**2.501,13**	6844	**2.828,61**	2108	**988,60**	3156	**1.298,35**	3668	**1.409,35**	3328	**1.942,04**
4200		5599	**2.595,48**	7187	**2.939,34**	2214	**1.027,82**	3314	**1.349,62**	3852	**1.466,17**	3495	**2.020,99**
4400		5866	**2.689,83**	7529	**3.050,06**	2319	**1.067,04**	3472	**1.400,89**	4035	**1.522,99**	3661	**2.099,94**
4600		6132	**2.784,19**	7871	**3.160,79**	2425	**1.106,26**	3630	**1.452,16**	4219	**1.579,81**	3828	**2.178,89**
4800		6399	**2.878,54**	8213	**3.271,51**	2530	**1.145,48**	3788	**1.503,43**	4402	**1.636,63**	3994	**2.257,84**
5000		6665	**2.972,89**	8555	**3.382,24**	2635	**1.184,70**	3945	**1.554,70**	4585	**1.693,45**	4160	**2.336,79**
5200		6932	**3.067,24**	8898	**3.492,97**	2741	**1.223,92**	4103	**1.605,97**	4769	**1.750,27**	4327	**2.415,74**
5400		7199	**3.161,59**	9240	**3.603,69**	2846	**1.263,14**	4261	**1.657,24**	4952	**1.807,09**	4493	**2.494,69**
5600		7465	**3.255,95**	9582	**3.714,42**	2952	**1.302,36**	4419	**1.708,51**	5136	**1.863,91**	4660	**2.573,64**
5800		7732	**3.350,30**	9924	**3.825,14**	3057	**1.341,58**	4577	**1.759,78**	5319	**1.920,73**	4826	**2.652,59**
6000		7998	**3.444,65**	10266	**3.935,87**	3162	**1.380,80**	4734	**1.811,05**	5502	**1.977,55**	4992	**2.731,54**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

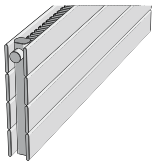
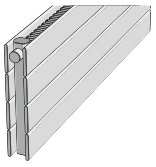
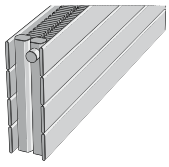
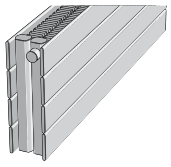
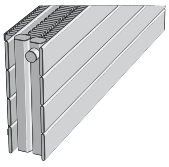
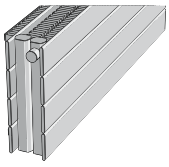
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	496											
													
Model		**NHLH49/28**		**NHLH49/49**		**NHLLH49/28**		**NHLLH49/49**		**NHLLHL49/28**		**NHLLHL49/49**	
Depth	mm	53		53		92		92		128		128	
Height of fins	mm	265		471		265		471		265		471	
Exponent	n	1,30		1,33		1,29		1,33		1,29		1,33	
Basic price	**€**	**489,84**		**489,84**		**606,72**		**606,72**		**662,74**		**662,74**	
Price/metre	**€**	**492,70**		**520,47**		**529,75**		**585,26**		**547,77**		**629,65**	
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		495	**736,19**	536	**750,08**	685	**871,60**	795	**899,35**	792	**936,63**	955	**977,57**
600		594	**785,46**	644	**802,12**	822	**924,57**	954	**957,88**	950	**991,40**	1146	**1.040,53**
700		693	**834,73**	751	**854,17**	959	**977,55**	1113	**1.016,40**	1109	**1.046,18**	1337	**1.103,50**
800		792	**884,00**	858	**906,22**	1096	**1.030,52**	1272	**1.074,93**	1267	**1.100,96**	1528	**1.166,46**
900		891	**933,27**	965	**958,26**	1233	**1.083,50**	1431	**1.133,45**	1425	**1.155,73**	1719	**1.229,43**
1000		989	**982,54**	1072	**1.010,31**	1370	**1.136,47**	1590	**1.191,98**	1583	**1.210,51**	1910	**1.292,39**
1100		1088	**1.031,81**	1180	**1.062,36**	1508	**1.189,45**	1750	**1.250,51**	1742	**1.265,29**	2101	**1.355,36**
1200		1187	**1.081,08**	1287	**1.114,40**	1644	**1.242,42**	1908	**1.309,03**	1900	**1.320,06**	2292	**1.418,32**
1300		1286	**1.130,35**	1394	**1.166,45**	1781	**1.295,40**	2067	**1.367,56**	2058	**1.374,84**	2483	**1.481,29**
1400		1385	**1.179,62**	1501	**1.218,50**	1918	**1.348,37**	2226	**1.426,08**	2217	**1.429,62**	2674	**1.544,25**
1500		1484	**1.228,89**	1608	**1.270,55**	2055	**1.401,35**	2385	**1.484,61**	2375	**1.484,40**	2865	**1.607,22**
1600		1583	**1.278,16**	1716	**1.322,59**	2192	**1.454,32**	2544	**1.543,14**	2533	**1.539,17**	3056	**1.670,18**
1700		1682	**1.327,43**	1823	**1.374,64**	2329	**1.507,30**	2703	**1.601,66**	2692	**1.593,95**	3247	**1.733,15**
1800		1781	**1.376,70**	1930	**1.426,69**	2466	**1.560,27**	2862	**1.660,19**	2850	**1.648,73**	3438	**1.796,11**
1900		1880	**1.425,97**	2037	**1.478,73**	2603	**1.613,25**	3021	**1.718,71**	3008	**1.703,50**	3629	**1.859,08**
2000		1978	**1.475,24**	2144	**1.530,78**	2740	**1.666,22**	3180	**1.777,24**	3166	**1.758,28**	3820	**1.922,04**
2200		2176	**1.573,78**	2359	**1.634,87**	3015	**1.772,17**	3499	**1.894,29**	3483	**1.867,83**	4202	**2.047,97**
2400		2374	**1.672,32**	2573	**1.738,97**	3288	**1.878,12**	3816	**2.011,34**	3800	**1.977,39**	4584	**2.173,90**
2600		2572	**1.770,86**	2788	**1.843,06**	3562	**1.984,07**	4134	**2.128,40**	4116	**2.086,94**	4966	**2.299,83**
2800		2770	**1.869,40**	3002	**1.947,16**	3836	**2.090,02**	4452	**2.245,45**	4433	**2.196,50**	5348	**2.425,76**
3000		2967	**1.967,94**	3216	**2.051,25**	4110	**2.195,97**	4770	**2.362,50**	4749	**2.306,05**	5730	**2.551,69**
3200		3165	**2.066,48**	3431	**2.155,34**	4384	**2.301,92**	5088	**2.479,55**	5066	**2.415,60**	6112	**2.677,62**
3400		3363	**2.165,02**	3645	**2.259,44**	4658	**2.407,87**	5406	**2.596,60**	5383	**2.525,16**	6494	**2.803,55**
3600		3561	**2.263,56**	3860	**2.363,53**	4932	**2.513,82**	5724	**2.713,66**	5699	**2.634,71**	6876	**2.929,48**
3800		3759	**2.362,10**	4074	**2.467,63**	5206	**2.619,77**	6042	**2.830,71**	6016	**2.744,27**	7258	**3.055,41**
4000		3956	**2.460,64**	4288	**2.571,72**	5480	**2.725,72**	6360	**2.947,76**	6332	**2.853,82**	7640	**3.181,34**
4200		4154	**2.559,18**	4503	**2.675,81**	5754	**2.831,67**	6678	**3.064,81**	6649	**2.963,37**	8022	**3.307,27**
4400		4352	**2.657,72**	4717	**2.779,91**	6029	**2.937,62**	6997	**3.181,86**	6966	**3.072,93**	8404	**3.433,20**
4600		4550	**2.756,26**	4932	**2.884,00**	6302	**3.043,57**	7314	**3.298,92**	7282	**3.182,48**	8786	**3.559,13**
4800		4748	**2.854,80**	5146	**2.988,10**	6576	**3.149,52**	7632	**3.415,97**	7599	**3.292,04**	9168	**3.685,06**
5000		4945	**2.953,34**	5360	**3.092,19**	6850	**3.255,47**	7950	**3.533,02**	7915	**3.401,59**	9550	**3.810,99**
5200		5143	**3.051,88**	5575	**3.196,28**	7124	**3.361,42**	8268	**3.650,07**	8232	**3.511,14**	9932	**3.936,92**
5400		5341	**3.150,42**	5789	**3.300,38**	7399	**3.467,37**	8586	**3.767,12**	8549	**3.620,70**	10314	**4.062,85**
5600		5539	**3.248,96**	6004	**3.404,47**	7672	**3.573,32**	8904	**3.884,18**	8865	**3.730,25**	10696	**4.188,78**
5800		5737	**3.347,50**	6218	**3.508,57**	7946	**3.679,27**	9222	**4.001,23**	9182	**3.839,81**	11078	**4.314,71**
6000		5934	**3.446,04**	6432	**3.612,66**	8220	**3.785,22**	9540	**4.118,28**	9498	**3.949,36**	11460	**4.440,64**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

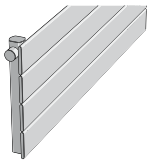
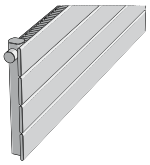
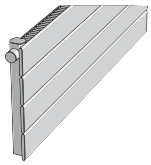
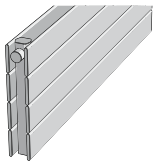
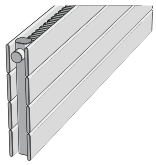
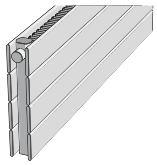
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	567											
													
Model		**NH56**		**NHL56/28**		**NHL56/56**		**NHH56**		**NHLH56/28**		**NHLH56/56**	
Depth	mm	45		60		60		53		53		53	
Height of fins	mm	-		265		541		-		265		541	
Exponent	n	1,26		1,27		1,29		1,27		1,30		1,34	
Basic price	**€**	**224,66**		**292,40**		**292,40**		**404,52**		**538,51**		**538,51**	
Price/metre	**€**	**221,74**		**280,71**		**317,79**		**445,94**		**543,81**		**580,90**	
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		298	**335,53**	429	**432,76**	512	**451,30**	468	**627,49**	541	**810,42**	593	**828,96**
600		358	**357,70**	515	**460,83**	615	**483,07**	561	**672,08**	649	**864,80**	711	**887,05**
700		418	**379,88**	600	**488,90**	717	**514,85**	655	**716,68**	757	**919,18**	830	**945,14**
800		477	**402,05**	686	**516,97**	820	**546,63**	748	**761,27**	865	**973,56**	948	**1.003,23**
900		537	**424,23**	772	**545,04**	922	**578,41**	842	**805,87**	973	**1.027,94**	1067	**1.061,32**
1000		596	**446,40**	857	**573,11**	1024	**610,19**	935	**850,46**	1081	**1.082,32**	1185	**1.119,41**
1100		656	**468,57**	943	**601,18**	1127	**641,97**	1029	**895,05**	1190	**1.136,70**	1304	**1.177,50**
1200		716	**490,75**	1029	**629,25**	1229	**673,75**	1122	**939,65**	1298	**1.191,08**	1422	**1.235,59**
1300		775	**512,92**	1115	**657,32**	1332	**705,53**	1216	**984,24**	1406	**1.245,46**	1541	**1.293,68**
1400		835	**535,10**	1200	**685,39**	1434	**737,31**	1309	**1.028,84**	1514	**1.299,84**	1659	**1.351,77**
1500		894	**557,27**	1286	**713,47**	1536	**769,09**	1403	**1.073,43**	1622	**1.354,23**	1778	**1.409,86**
1600		954	**579,44**	1372	**741,54**	1639	**800,86**	1496	**1.118,02**	1730	**1.408,61**	1896	**1.467,95**
1700		1014	**601,62**	1457	**769,61**	1741	**832,64**	1590	**1.162,62**	1838	**1.462,99**	2015	**1.526,04**
1800		1073	**623,79**	1543	**797,68**	1844	**864,42**	1683	**1.207,21**	1946	**1.517,37**	2133	**1.584,13**
1900		1133	**645,97**	1629	**825,75**	1946	**896,20**	1777	**1.251,81**	2054	**1.571,75**	2252	**1.642,22**
2000		1192	**668,14**	1714	**853,82**	2048	**927,98**	1870	**1.296,40**	2162	**1.626,13**	2370	**1.700,31**
2200		1312	**712,49**	1886	**909,96**	2253	**991,54**	2057	**1.385,59**	2379	**1.734,89**	2607	**1.816,49**
2400		1431	**756,84**	2057	**966,10**	2458	**1.055,10**	2244	**1.474,78**	2595	**1.843,65**	2844	**1.932,67**
2600		1550	**801,18**	2229	**1.022,25**	2663	**1.118,65**	2431	**1.563,96**	2811	**1.952,42**	3081	**2.048,85**
2800		1669	**845,53**	2400	**1.078,39**	2868	**1.182,21**	2618	**1.653,15**	3027	**2.061,18**	3318	**2.165,03**
3000		1788	**889,88**	2571	**1.134,53**	3072	**1.245,77**	2805	**1.742,34**	3243	**2.169,94**	3555	**2.281,21**
3200		1908	**934,23**	2743	**1.190,67**	3277	**1.309,33**	2992	**1.831,53**	3460	**2.278,70**	3792	**2.397,39**
3400		2027	**978,58**	2914	**1.246,81**	3482	**1.372,89**	3179	**1.920,72**	3676	**2.387,46**	4029	**2.513,57**
3600		2146	**1.022,92**	3086	**1.302,96**	3687	**1.436,44**	3366	**2.009,90**	3892	**2.496,23**	4266	**2.629,75**
3800		2265	**1.067,27**	3257	**1.359,10**	3892	**1.500,00**	3553	**2.099,09**	4108	**2.604,99**	4503	**2.745,93**
4000		2384	**1.111,62**	3428	**1.415,24**	4096	**1.563,56**	3740	**2.188,28**	4324	**2.713,75**	4740	**2.862,11**
4200		2504	**1.155,97**	3600	**1.471,38**	4301	**1.627,12**	3927	**2.277,47**	4541	**2.822,51**	4977	**2.978,29**
4400		2623	**1.200,32**	3771	**1.527,52**	4506	**1.690,68**	4114	**2.366,66**	4757	**2.931,27**	5214	**3.094,47**
4600		2742	**1.244,66**	3943	**1.583,67**	4711	**1.754,23**	4301	**2.455,84**	4973	**3.040,04**	5451	**3.210,65**
4800		2861	**1.289,01**	4114	**1.639,81**	4916	**1.817,79**	4488	**2.545,03**	5189	**3.148,80**	5688	**3.326,83**
5000		2980	**1.333,36**	4285	**1.695,95**	5120	**1.881,35**	4675	**2.634,22**	5405	**3.257,56**	5925	**3.443,01**
5200		3100	**1.377,71**	4457	**1.752,09**	5325	**1.944,91**	4862	**2.723,41**	5622	**3.366,32**	6162	**3.559,19**
5400		3219	**1.422,06**	4628	**1.808,23**	5530	**2.008,47**	5049	**2.812,60**	5838	**3.475,08**	6399	**3.675,37**
5600		3338	**1.466,40**	4800	**1.864,38**	5735	**2.072,02**	5236	**2.901,78**	6054	**3.583,85**	6636	**3.791,55**
5800		3457	**1.510,75**	4971	**1.920,52**	5940	**2.135,58**	5423	**2.990,97**	6270	**3.692,61**	6873	**3.907,73**
6000		3576	**1.555,10**	5142	**1.976,66**	6144	**2.199,14**	5610	**3.080,16**	6486	**3.801,37**	7110	**4.023,91**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

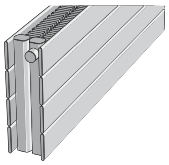
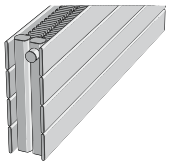
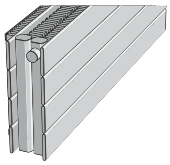
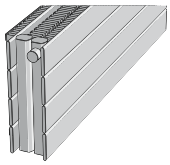
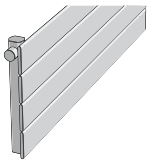
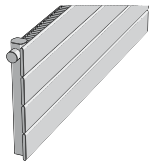
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	567								638			
													
Model		**NHLLH56/28**		**NHLLH56/56**		**NHLLHL56/28**		**NHLLHL56/56**		**NH63**		**NHL63/28**	
Depth	mm	92		92		128		128		45		60	
Height of fins	mm	265		541		265		541		-		265	
Exponent	n	1,29		1,34		1,29		1,35		1,26		1,27	
Basic price	**€**	**648,16**		**648,16**		**711,56**		**711,56**		**245,14**		**311,87**	
Price/metre	**€**	**580,90**		**654,98**		**596,48**		**705,67**		**247,33**		**305,08**	
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		740	**938,61**	875	**975,65**	851	**1.009,80**	1055	**1.064,40**	333	**368,81**	464	**464,41**
600		888	**996,70**	1050	**1.041,15**	1022	**1.069,45**	1266	**1.134,96**	399	**393,54**	557	**494,92**
700		1036	**1.054,79**	1225	**1.106,65**	1192	**1.129,10**	1477	**1.205,53**	466	**418,27**	649	**525,43**
800		1184	**1.112,88**	1400	**1.172,14**	1362	**1.188,74**	1688	**1.276,10**	532	**443,00**	742	**555,93**
900		1332	**1.170,97**	1575	**1.237,64**	1532	**1.248,39**	1899	**1.346,66**	599	**467,74**	835	**586,44**
1000		1480	**1.229,06**	1750	**1.303,14**	1702	**1.308,04**	2109	**1.417,23**	665	**492,47**	927	**616,95**
1100		1629	**1.287,15**	1926	**1.368,64**	1873	**1.367,69**	2320	**1.487,80**	732	**517,20**	1020	**647,46**
1200		1776	**1.345,24**	2100	**1.434,14**	2043	**1.427,34**	2531	**1.558,36**	798	**541,94**	1113	**677,97**
1300		1924	**1.403,33**	2275	**1.499,63**	2213	**1.486,98**	2742	**1.628,93**	865	**566,67**	1206	**708,47**
1400		2072	**1.461,42**	2450	**1.565,13**	2383	**1.546,63**	2953	**1.699,50**	931	**591,40**	1298	**738,98**
1500		2220	**1.519,51**	2625	**1.630,63**	2553	**1.606,28**	3164	**1.770,07**	998	**616,14**	1391	**769,49**
1600		2368	**1.577,60**	2800	**1.696,13**	2724	**1.665,93**	3375	**1.840,63**	1064	**640,87**	1484	**800,00**
1700		2516	**1.635,69**	2975	**1.761,63**	2894	**1.725,58**	3586	**1.911,20**	1131	**665,60**	1576	**830,51**
1800		2664	**1.693,78**	3150	**1.827,12**	3064	**1.785,22**	3797	**1.981,77**	1197	**690,33**	1669	**861,01**
1900		2812	**1.751,87**	3325	**1.892,62**	3234	**1.844,87**	4008	**2.052,33**	1264	**715,07**	1762	**891,52**
2000		2960	**1.809,96**	3500	**1.958,12**	3404	**1.904,52**	4218	**2.122,90**	1330	**739,80**	1854	**922,03**
2200		3257	**1.926,14**	3851	**2.089,12**	3745	**2.023,82**	4640	**2.264,03**	1463	**789,27**	2040	**983,05**
2400		3552	**2.042,32**	4200	**2.220,11**	4085	**2.143,11**	5062	**2.405,17**	1596	**838,73**	2225	**1.044,06**
2600		3848	**2.158,50**	4550	**2.351,11**	4426	**2.262,41**	5484	**2.546,30**	1729	**888,20**	2411	**1.105,08**
2800		4144	**2.274,68**	4900	**2.482,10**	4766	**2.381,70**	5906	**2.687,44**	1862	**937,66**	2596	**1.166,09**
3000		4440	**2.390,86**	5250	**2.613,10**	5106	**2.501,00**	6327	**2.828,57**	1995	**987,13**	2781	**1.227,11**
3200		4736	**2.507,04**	5600	**2.744,10**	5447	**2.620,30**	6749	**2.969,70**	2128	**1.036,60**	2967	**1.288,13**
3400		5032	**2.623,22**	5950	**2.875,09**	5787	**2.739,59**	7171	**3.110,84**	2261	**1.086,06**	3152	**1.349,14**
3600		5328	**2.739,40**	6300	**3.006,09**	6128	**2.858,89**	7593	**3.251,97**	2394	**1.135,53**	3338	**1.410,16**
3800		5624	**2.855,58**	6650	**3.137,08**	6468	**2.978,18**	8015	**3.393,11**	2527	**1.184,99**	3523	**1.471,17**
4000		5920	**2.971,76**	7000	**3.268,08**	6808	**3.097,48**	8436	**3.534,24**	2660	**1.234,46**	3708	**1.532,19**
4200		6216	**3.087,94**	7350	**3.399,08**	7149	**3.216,78**	8858	**3.675,37**	2793	**1.283,93**	3894	**1.593,21**
4400		6513	**3.204,12**	7701	**3.530,07**	7489	**3.336,07**	9280	**3.816,51**	2926	**1.333,39**	4079	**1.654,22**
4600		6808	**3.320,30**	8050	**3.661,07**	7830	**3.455,37**	9702	**3.957,64**	3059	**1.382,86**	4265	**1.715,24**
4800		7104	**3.436,48**	8400	**3.792,06**	8170	**3.574,66**	10124	**4.098,78**	3192	**1.432,32**	4450	**1.776,25**
5000		7400	**3.552,66**	8750	**3.923,06**	8510	**3.693,96**	10545	**4.239,91**	3325	**1.481,79**	4635	**1.837,27**
5200		7696	**3.668,84**	9100	**4.054,06**	8851	**3.813,26**	10967	**4.381,04**	3458	**1.531,26**	4821	**1.898,29**
5400		7993	**3.785,02**	9450	**4.185,05**	9191	**3.932,55**	11389	**4.522,18**	3591	**1.580,72**	5006	**1.959,30**
5600		8288	**3.901,20**	9800	**4.316,05**	9532	**4.051,85**	11811	**4.663,31**	3724	**1.630,19**	5192	**2.020,32**
5800		8584	**4.017,38**	10150	**4.447,04**	9872	**4.171,14**	12233	**4.804,45**	3857	**1.679,65**	5377	**2.081,33**
6000		8880	**4.133,56**	10500	**4.578,04**	10212	**4.290,44**	12654	**4.945,58**	3990	**1.729,12**	5562	**2.142,35**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

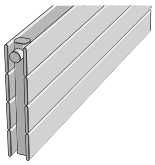
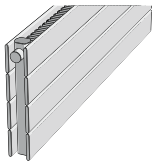
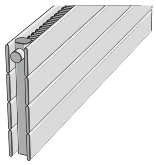
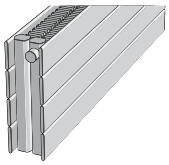
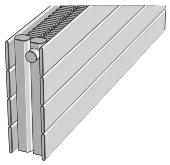
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	638											
													
Model		**NHL63/56**		**NHH63**		**NHLH63/28**		**NHLH63/56**		**NHLLH63/28**		**NHLLH63/56**	
Depth	mm	60		53		53		53		92		92	
Height of fins	mm	541		-		265		541		265		541	
Exponent	n	1,29		1,27		1,30		1,34		1,30		1,34	
Basic price	**€**	**311,87**		**445,94**		**587,22**		**587,22**		**689,60**		**689,60**	
Price/metre	**€**	**342,17**		**497,09**		**595,05**		**632,09**		**632,09**		**706,16**	
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		543	**482,96**	520	**694,49**	589	**884,75**	633	**903,27**	795	**1.005,65**	922	**1.042,68**
600		652	**517,17**	624	**744,19**	707	**944,25**	759	**966,47**	954	**1.068,85**	1106	**1.113,30**
700		761	**551,39**	728	**793,90**	824	**1.003,76**	886	**1.029,68**	1113	**1.132,06**	1291	**1.183,91**
800		869	**585,61**	832	**843,61**	942	**1.063,26**	1012	**1.092,89**	1272	**1.195,27**	1475	**1.254,53**
900		978	**619,82**	936	**893,32**	1060	**1.122,77**	1139	**1.156,10**	1431	**1.258,48**	1659	**1.325,14**
1000		1086	**654,04**	1040	**943,03**	1177	**1.182,27**	1265	**1.219,31**	1590	**1.321,69**	1843	**1.395,76**
1100		1195	**688,26**	1144	**992,74**	1295	**1.241,78**	1392	**1.282,52**	1750	**1.384,90**	2028	**1.466,38**
1200		1304	**722,47**	1248	**1.042,45**	1413	**1.301,28**	1518	**1.345,73**	1908	**1.448,11**	2212	**1.536,99**
1300		1412	**756,69**	1352	**1.092,16**	1531	**1.360,79**	1645	**1.408,94**	2067	**1.511,32**	2396	**1.607,61**
1400		1521	**790,91**	1456	**1.141,87**	1648	**1.420,29**	1771	**1.472,15**	2226	**1.574,53**	2581	**1.678,22**
1500		1629	**825,13**	1560	**1.191,58**	1766	**1.479,80**	1898	**1.535,36**	2385	**1.637,74**	2765	**1.748,84**
1600		1738	**859,34**	1664	**1.241,28**	1884	**1.539,30**	2024	**1.598,56**	2544	**1.700,94**	2949	**1.819,46**
1700		1847	**893,56**	1768	**1.290,99**	2001	**1.598,81**	2151	**1.661,77**	2703	**1.764,15**	3134	**1.890,07**
1800		1955	**927,78**	1872	**1.340,70**	2119	**1.658,31**	2277	**1.724,98**	2862	**1.827,36**	3318	**1.960,69**
1900		2064	**961,99**	1976	**1.390,41**	2237	**1.717,82**	2404	**1.788,19**	3021	**1.890,57**	3502	**2.031,30**
2000		2172	**996,21**	2080	**1.440,12**	2354	**1.777,32**	2530	**1.851,40**	3180	**1.953,78**	3686	**2.101,92**
2200		2390	**1.064,64**	2288	**1.539,54**	2590	**1.896,33**	2783	**1.977,82**	3499	**2.080,20**	4055	**2.243,15**
2400		2607	**1.133,08**	2496	**1.638,96**	2825	**2.015,34**	3036	**2.104,24**	3816	**2.206,62**	4424	**2.384,38**
2600		2824	**1.201,51**	2704	**1.738,37**	3061	**2.134,35**	3289	**2.230,65**	4134	**2.333,03**	4792	**2.525,62**
2800		3041	**1.269,95**	2912	**1.837,79**	3296	**2.253,36**	3542	**2.357,07**	4452	**2.459,45**	5161	**2.666,85**
3000		3258	**1.338,38**	3120	**1.937,21**	3531	**2.372,37**	3795	**2.483,49**	4770	**2.585,87**	5529	**2.808,08**
3200		3476	**1.406,81**	3328	**2.036,63**	3767	**2.491,38**	4048	**2.609,91**	5088	**2.712,29**	5898	**2.949,31**
3400		3693	**1.475,25**	3536	**2.136,05**	4002	**2.610,39**	4301	**2.736,33**	5406	**2.838,71**	6267	**3.090,54**
3600		3910	**1.543,68**	3744	**2.235,46**	4238	**2.729,40**	4554	**2.862,74**	5724	**2.965,12**	6635	**3.231,78**
3800		4127	**1.612,12**	3952	**2.334,88**	4473	**2.848,41**	4807	**2.989,16**	6042	**3.091,54**	7004	**3.373,01**
4000		4344	**1.680,55**	4160	**2.434,30**	4708	**2.967,42**	5060	**3.115,58**	6360	**3.217,96**	7372	**3.514,24**
4200		4562	**1.748,98**	4368	**2.533,72**	4944	**3.086,43**	5313	**3.242,00**	6678	**3.344,38**	7741	**3.655,47**
4400		4779	**1.817,42**	4576	**2.633,14**	5179	**3.205,44**	5566	**3.368,42**	6997	**3.470,80**	8110	**3.796,70**
4600		4996	**1.885,85**	4784	**2.732,55**	5415	**3.324,45**	5819	**3.494,83**	7314	**3.597,21**	8478	**3.937,94**
4800		5213	**1.954,29**	4992	**2.831,97**	5650	**3.443,46**	6072	**3.621,25**	7632	**3.723,63**	8847	**4.079,17**
5000		5430	**2.022,72**	5200	**2.931,39**	5885	**3.562,47**	6325	**3.747,67**	7950	**3.850,05**	9215	**4.220,40**
5200		5648	**2.091,15**	5408	**3.030,81**	6121	**3.681,48**	6578	**3.874,09**	8268	**3.976,47**	9584	**4.361,63**
5400		5865	**2.159,59**	5616	**3.130,23**	6356	**3.800,49**	6831	**4.000,51**	8586	**4.102,89**	9953	**4.502,86**
5600		6082	**2.228,02**	5824	**3.229,64**	6592	**3.919,50**	7084	**4.126,92**	8904	**4.229,30**	10321	**4.644,10**
5800		6299	**2.296,46**	6032	**3.329,06**	6827	**4.038,51**	7337	**4.253,34**	9222	**4.355,72**	10690	**4.785,33**
6000		6516	**2.364,89**	6240	**3.428,48**	7062	**4.157,52**	7590	**4.379,76**	9540	**4.482,14**	11058	**4.926,56**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

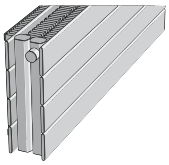
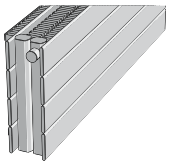
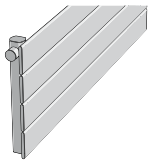
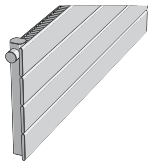
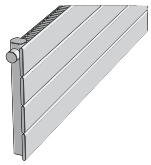
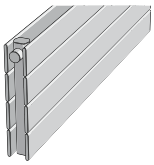
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	638				709							
													
Model		**NHLLHL63/28**		**NHLLHL63/56**		**NH70**		**NHL70/28**		**NHL70/56**		**NHH70**	
Depth	mm	128		128		45		60		60		53	
Height of fins	mm	265		541		-		265		541		-	
Exponent	n	1,29		1,35		1,27		1,27		1,29		1,28	
Basic price	**€**	**760,25**		**760,25**		**265,60**		**331,43**		**331,43**		**487,37**	
Price/metre	**€**	**645,21**		**754,39**		**272,95**		**329,38**		**366,47**		**548,22**	
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		912	**1.082,86**	1100	**1.137,45**	368	**402,08**	498	**496,12**	575	**514,67**	573	**761,48**
600		1094	**1.147,38**	1320	**1.212,88**	442	**429,37**	598	**529,06**	690	**551,31**	688	**816,30**
700		1277	**1.211,90**	1540	**1.288,32**	516	**456,67**	698	**562,00**	805	**587,96**	803	**871,12**
800		1459	**1.276,42**	1760	**1.363,76**	589	**483,96**	797	**594,93**	920	**624,61**	917	**925,95**
900		1641	**1.340,94**	1980	**1.439,20**	663	**511,26**	897	**627,87**	1035	**661,25**	1032	**980,77**
1000		1823	**1.405,46**	2200	**1.514,64**	736	**538,55**	996	**660,81**	1149	**697,90**	1146	**1.035,59**
1100		2006	**1.469,98**	2420	**1.590,08**	810	**565,85**	1096	**693,75**	1264	**734,55**	1261	**1.090,41**
1200		2188	**1.534,50**	2640	**1.665,52**	884	**593,14**	1196	**726,69**	1379	**771,19**	1376	**1.145,23**
1300		2370	**1.599,02**	2860	**1.740,96**	957	**620,44**	1295	**759,62**	1494	**807,84**	1490	**1.200,06**
1400		2553	**1.663,54**	3080	**1.816,40**	1031	**647,73**	1395	**792,56**	1609	**844,49**	1605	**1.254,88**
1500		2735	**1.728,07**	3300	**1.891,84**	1104	**675,03**	1494	**825,50**	1724	**881,14**	1719	**1.309,70**
1600		2917	**1.792,59**	3520	**1.967,27**	1178	**702,32**	1594	**858,44**	1839	**917,78**	1834	**1.364,52**
1700		3100	**1.857,11**	3740	**2.042,71**	1252	**729,62**	1694	**891,38**	1954	**954,43**	1949	**1.419,34**
1800		3282	**1.921,63**	3960	**2.118,15**	1325	**756,91**	1793	**924,31**	2069	**991,08**	2063	**1.474,17**
1900		3464	**1.986,15**	4180	**2.193,59**	1399	**784,21**	1893	**957,25**	2184	**1.027,72**	2178	**1.528,99**
2000		3646	**2.050,67**	4400	**2.269,03**	1472	**811,50**	1992	**990,19**	2298	**1.064,37**	2292	**1.583,81**
2200		4011	**2.179,71**	4840	**2.419,91**	1620	**866,09**	2192	**1.056,07**	2528	**1.137,66**	2522	**1.693,45**
2400		4376	**2.308,75**	5280	**2.570,79**	1767	**920,68**	2391	**1.121,94**	2758	**1.210,96**	2751	**1.803,10**
2600		4740	**2.437,80**	5720	**2.721,66**	1914	**975,27**	2590	**1.187,82**	2988	**1.284,25**	2980	**1.912,74**
2800		5105	**2.566,84**	6160	**2.872,54**	2061	**1.029,86**	2789	**1.253,69**	3218	**1.357,55**	3209	**2.022,39**
3000		5469	**2.695,88**	6600	**3.023,42**	2208	**1.084,45**	2988	**1.319,57**	3447	**1.430,84**	3438	**2.132,03**
3200		5834	**2.824,92**	7040	**3.174,30**	2356	**1.139,04**	3188	**1.385,45**	3677	**1.504,13**	3668	**2.241,67**
3400		6199	**2.953,96**	7480	**3.325,18**	2503	**1.193,63**	3387	**1.451,32**	3907	**1.577,43**	3897	**2.351,32**
3600		6563	**3.083,01**	7920	**3.476,05**	2650	**1.248,22**	3586	**1.517,20**	4137	**1.650,72**	4126	**2.460,96**
3800		6928	**3.212,05**	8360	**3.626,93**	2797	**1.302,81**	3785	**1.583,07**	4367	**1.724,02**	4355	**2.570,61**
4000		7292	**3.341,09**	8800	**3.777,81**	2944	**1.357,40**	3984	**1.648,95**	4596	**1.797,31**	4584	**2.680,25**
4200		7657	**3.470,13**	9240	**3.928,69**	3092	**1.411,99**	4184	**1.714,83**	4826	**1.870,60**	4814	**2.789,89**
4400		8022	**3.599,17**	9680	**4.079,57**	3239	**1.466,58**	4383	**1.780,70**	5056	**1.943,90**	5043	**2.899,54**
4600		8386	**3.728,22**	10120	**4.230,44**	3386	**1.521,17**	4582	**1.846,58**	5286	**2.017,19**	5272	**3.009,18**
4800		8751	**3.857,26**	10560	**4.381,32**	3533	**1.575,76**	4781	**1.912,45**	5516	**2.090,49**	5501	**3.118,83**
5000		9115	**3.986,30**	11000	**4.532,20**	3680	**1.630,35**	4980	**1.978,33**	5745	**2.163,78**	5730	**3.228,47**
5200		9480	**4.115,34**	11440	**4.683,08**	3828	**1.684,94**	5180	**2.044,21**	5975	**2.237,07**	5960	**3.338,11**
5400		9845	**4.244,38**	11880	**4.833,96**	3975	**1.739,53**	5379	**2.110,08**	6205	**2.310,37**	6189	**3.447,76**
5600		10209	**4.373,43**	12320	**4.984,83**	4122	**1.794,12**	5578	**2.175,96**	6435	**2.383,66**	6418	**3.557,40**
5800		10574	**4.502,47**	12760	**5.135,71**	4269	**1.848,71**	5777	**2.241,83**	6665	**2.456,96**	6647	**3.667,05**
6000		10938	**4.631,51**	13200	**5.286,59**	4416	**1.903,30**	5976	**2.307,71**	6894	**2.530,25**	6876	**3.776,69**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

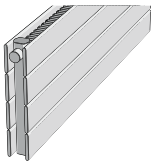
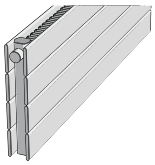
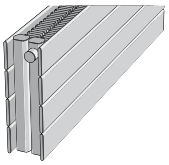
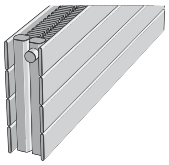
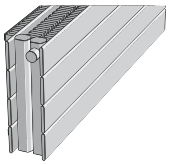
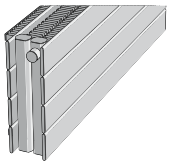
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	709											
													
Model		**NHLH70/28**		**NHLH70/56**		**NHLLH70/28**		**NHLLH70/56**		**NHLLHL70/28**		**NHLLHL70/56**	
Depth	mm	53		53		92		92		128		128	
Height of fins	mm	265		541		265		541		265		541	
Exponent	n	1,30		1,33		1,30		1,34		1,30		1,35	
Basic price	**€**	**635,97**		**635,97**		**731,00**		**731,00**		**808,99**		**808,99**	
Price/metre	**€**	**646,23**		**683,27**		**683,27**		**757,31**		**693,97**		**803,10**	
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		638	**959,09**	672	**977,61**	850	**1.072,64**	968	**1.109,66**	971	**1.155,98**	1146	**1.210,54**
600		765	**1.023,71**	807	**1.045,93**	1020	**1.140,96**	1162	**1.185,39**	1166	**1.225,37**	1375	**1.290,85**
700		893	**1.088,33**	941	**1.114,26**	1190	**1.209,29**	1356	**1.261,12**	1360	**1.294,77**	1604	**1.371,16**
800		1020	**1.152,95**	1076	**1.182,59**	1360	**1.277,62**	1549	**1.336,85**	1554	**1.364,17**	1833	**1.451,47**
900		1148	**1.217,58**	1210	**1.250,91**	1530	**1.345,94**	1743	**1.412,58**	1748	**1.433,56**	2062	**1.531,78**
1000		1275	**1.282,20**	1344	**1.319,24**	1699	**1.414,27**	1936	**1.488,31**	1942	**1.502,96**	2291	**1.612,09**
1100		1403	**1.346,82**	1479	**1.387,57**	1869	**1.482,60**	2130	**1.564,04**	2137	**1.572,36**	2521	**1.692,40**
1200		1530	**1.411,45**	1613	**1.455,89**	2039	**1.550,92**	2324	**1.639,77**	2331	**1.641,75**	2750	**1.772,71**
1300		1658	**1.476,07**	1748	**1.524,22**	2209	**1.619,25**	2517	**1.715,50**	2525	**1.711,15**	2979	**1.853,02**
1400		1785	**1.540,69**	1882	**1.592,55**	2379	**1.687,58**	2711	**1.791,23**	2719	**1.780,55**	3208	**1.933,33**
1500		1913	**1.605,32**	2016	**1.660,88**	2549	**1.755,91**	2904	**1.866,97**	2913	**1.849,95**	3437	**2.013,64**
1600		2040	**1.669,94**	2151	**1.729,20**	2719	**1.824,23**	3098	**1.942,70**	3108	**1.919,34**	3666	**2.093,95**
1700		2168	**1.734,56**	2285	**1.797,53**	2889	**1.892,56**	3292	**2.018,43**	3302	**1.988,74**	3895	**2.174,26**
1800		2295	**1.799,18**	2420	**1.865,86**	3059	**1.960,89**	3485	**2.094,16**	3496	**2.058,14**	4124	**2.254,57**
1900		2423	**1.863,81**	2554	**1.934,18**	3229	**2.029,21**	3679	**2.169,89**	3690	**2.127,53**	4353	**2.334,88**
2000		2550	**1.928,43**	2688	**2.002,51**	3398	**2.097,54**	3872	**2.245,62**	3884	**2.196,93**	4582	**2.415,19**
2200		2805	**2.057,68**	2957	**2.139,16**	3738	**2.234,19**	4260	**2.397,08**	4273	**2.335,72**	5041	**2.575,81**
2400		3060	**2.186,92**	3226	**2.275,82**	4078	**2.370,85**	4647	**2.548,54**	4661	**2.474,52**	5499	**2.736,43**
2600		3315	**2.316,17**	3495	**2.412,47**	4418	**2.507,50**	5034	**2.700,01**	5050	**2.613,31**	5957	**2.897,05**
2800		3570	**2.445,41**	3764	**2.549,13**	4758	**2.644,16**	5421	**2.851,47**	5438	**2.752,11**	6415	**3.057,67**
3000		3825	**2.574,66**	4032	**2.685,78**	5097	**2.780,81**	5808	**3.002,93**	5826	**2.890,90**	6873	**3.218,29**
3200		4080	**2.703,91**	4301	**2.822,43**	5437	**2.917,46**	6196	**3.154,39**	6215	**3.029,69**	7332	**3.378,91**
3400		4335	**2.833,15**	4570	**2.959,09**	5777	**3.054,12**	6583	**3.305,85**	6603	**3.168,49**	7790	**3.539,53**
3600		4590	**2.962,40**	4839	**3.095,74**	6117	**3.190,77**	6970	**3.457,32**	6992	**3.307,28**	8248	**3.700,15**
3800		4845	**3.091,64**	5108	**3.232,40**	6457	**3.327,43**	7357	**3.608,78**	7380	**3.446,08**	8706	**3.860,77**
4000		5100	**3.220,89**	5376	**3.369,05**	6796	**3.464,08**	7744	**3.760,24**	7768	**3.584,87**	9164	**4.021,39**
4200		5355	**3.350,14**	5645	**3.505,70**	7136	**3.600,73**	8132	**3.911,70**	8157	**3.723,66**	9623	**4.182,01**
4400		5610	**3.479,38**	5914	**3.642,36**	7476	**3.737,39**	8519	**4.063,16**	8545	**3.862,46**	10081	**4.342,63**
4600		5865	**3.608,63**	6183	**3.779,01**	7816	**3.874,04**	8906	**4.214,63**	8934	**4.001,25**	10539	**4.503,25**
4800		6120	**3.737,87**	6452	**3.915,67**	8156	**4.010,70**	9293	**4.366,09**	9322	**4.140,05**	10997	**4.663,87**
5000		6375	**3.867,12**	6720	**4.052,32**	8495	**4.147,35**	9680	**4.517,55**	9710	**4.278,84**	11455	**4.824,49**
5200		6630	**3.996,37**	6989	**4.188,97**	8835	**4.284,00**	10068	**4.669,01**	10099	**4.417,63**	11914	**4.985,11**
5400		6885	**4.125,61**	7258	**4.325,63**	9175	**4.420,66**	10455	**4.820,47**	10487	**4.556,43**	12372	**5.145,73**
5600		7140	**4.254,86**	7527	**4.462,28**	9515	**4.557,31**	10842	**4.971,94**	10876	**4.695,22**	12830	**5.306,35**
5800		7395	**4.384,10**	7796	**4.598,94**	9855	**4.693,97**	11229	**5.123,40**	11264	**4.834,02**	13288	**5.466,97**
6000		7650	**4.513,35**	8064	**4.735,59**	10194	**4.830,62**	11616	**5.274,86**	11652	**4.972,81**	13746	**5.627,59**

Surcharge for Completto, valve at top, connections V013/V014 €: 181,73

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: 221,19

Warning: Weight over 100 kg

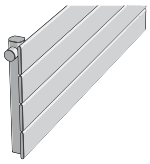
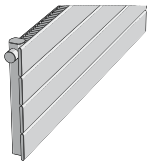
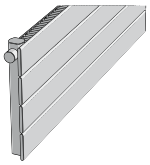
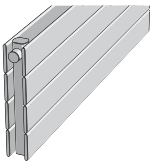
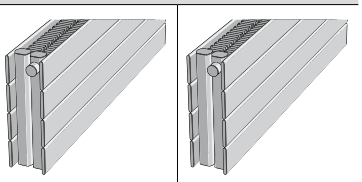
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	780											
													
Model		**NH77**		**NHL77/28**		**NHL77/56**		**NHH77**		**NHLLH77/28**		**NHLLH77/56**	
Depth	mm	45		60		60		53		92		92	
Height of fins	mm	-		265		541		-		265		541	
Exponent	n	1,27		1,27		1,29		1,28		1,30		1,34	
Basic price	**€**	**286,06**		**350,87**		**350,87**		**638,39**		**772,43**		**772,43**	
Price/metre	**€**	**298,50**		**353,80**		**390,85**		**599,39**		**734,42**		**808,50**	
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		404	**435,31**	533	**527,77**	606	**546,30**	627	**938,09**	902	**1.139,64**	1015	**1.176,68**
600		485	**465,16**	639	**563,15**	728	**585,38**	752	**998,02**	1083	**1.213,08**	1218	**1.257,53**
700		566	**495,01**	746	**598,53**	849	**624,47**	877	**1.057,96**	1263	**1.286,52**	1421	**1.338,38**
800		646	**524,86**	852	**633,91**	970	**663,55**	1002	**1.117,90**	1444	**1.359,97**	1624	**1.419,23**
900		727	**554,71**	959	**669,29**	1091	**702,64**	1128	**1.177,84**	1624	**1.433,41**	1827	**1.500,08**
1000		808	**584,56**	1065	**704,67**	1212	**741,72**	1253	**1.237,78**	1804	**1.506,85**	2029	**1.580,93**
1100		889	**614,41**	1172	**740,05**	1334	**780,81**	1378	**1.297,72**	1985	**1.580,29**	2232	**1.661,78**
1200		970	**644,26**	1278	**775,43**	1455	**819,89**	1504	**1.357,66**	2165	**1.653,73**	2435	**1.742,63**
1300		1050	**674,11**	1385	**810,81**	1576	**858,98**	1629	**1.417,60**	2346	**1.727,18**	2638	**1.823,48**
1400		1131	**703,96**	1491	**846,19**	1697	**898,06**	1754	**1.477,54**	2526	**1.800,62**	2841	**1.904,33**
1500		1212	**733,81**	1598	**881,57**	1818	**937,15**	1880	**1.537,48**	2706	**1.874,06**	3044	**1.985,18**
1600		1293	**763,66**	1704	**916,95**	1940	**976,23**	2005	**1.597,41**	2887	**1.947,50**	3247	**2.066,03**
1700		1374	**793,51**	1811	**952,33**	2061	**1.015,32**	2130	**1.657,35**	3067	**2.020,94**	3450	**2.146,88**
1800		1454	**823,36**	1917	**987,71**	2182	**1.054,40**	2255	**1.717,29**	3248	**2.094,39**	3653	**2.227,73**
1900		1535	**853,21**	2024	**1.023,09**	2303	**1.093,49**	2381	**1.777,23**	3428	**2.167,83**	3856	**2.308,58**
2000		1616	**883,06**	2130	**1.058,47**	2424	**1.132,57**	2506	**1.837,17**	3608	**2.241,27**	4058	**2.389,43**
2200		1778	**942,76**	2343	**1.129,23**	2667	**1.210,74**	2757	**1.957,05**	3969	**2.388,15**	4464	**2.551,13**
2400		1939	**1.002,46**	2556	**1.199,99**	2909	**1.288,91**	3007	**2.076,93**	4330	**2.535,04**	4870	**2.712,83**
2600		2101	**1.062,16**	2769	**1.270,75**	3152	**1.367,08**	3258	**2.196,80**	4691	**2.681,92**	5276	**2.874,53**
2800		2262	**1.121,86**	2982	**1.341,51**	3394	**1.445,25**	3508	**2.316,68**	5052	**2.828,81**	5682	**3.036,23**
3000		2424	**1.181,56**	3195	**1.412,27**	3636	**1.523,42**	3759	**2.436,56**	5412	**2.975,69**	6087	**3.197,93**
3200		2586	**1.241,26**	3408	**1.483,03**	3879	**1.601,59**	4010	**2.556,44**	5773	**3.122,57**	6493	**3.359,63**
3400		2747	**1.300,96**	3621	**1.553,79**	4121	**1.679,76**	4260	**2.676,32**	6134	**3.269,46**	6899	**3.521,33**
3600		2909	**1.360,66**	3834	**1.624,55**	4364	**1.757,93**	4511	**2.796,19**	6495	**3.416,34**	7305	**3.683,03**
3800		3070	**1.420,36**	4047	**1.695,31**	4606	**1.836,10**	4761	**2.916,07**	6856	**3.563,23**	7711	**3.844,73**
4000		3232	**1.480,06**	4260	**1.766,07**	4848	**1.914,27**	5012	**3.035,95**	7216	**3.710,11**	8116	**4.006,43**
4200		3394	**1.539,76**	4473	**1.836,83**	5091	**1.992,44**	5263	**3.155,83**	7577	**3.856,99**	8522	**4.168,13**
4400		3555	**1.599,46**	4686	**1.907,59**	5333	**2.070,61**	5513	**3.275,71**	7938	**4.003,88**	8928	**4.329,83**
4600		3717	**1.659,16**	4899	**1.978,35**	5576	**2.148,78**	5764	**3.395,58**	8299	**4.150,76**	9334	**4.491,53**
4800		3878	**1.718,86**	5112	**2.049,11**	5818	**2.226,95**	6014	**3.515,46**	8660	**4.297,65**	9740	**4.653,23**
5000		4040	**1.778,56**	5325	**2.119,87**	6060	**2.305,12**	6265	**3.635,34**	9020	**4.444,53**	10145	**4.814,93**
5200		4202	**1.838,26**	5538	**2.190,63**	6303	**2.383,29**	6516	**3.755,22**	9381	**4.591,41**	10551	**4.976,63**
5400		4363	**1.897,96**	5751	**2.261,39**	6545	**2.461,46**	6766	**3.875,10**	9742	**4.738,30**	10957	**5.138,33**
5600		4525	**1.957,66**	5964	**2.332,15**	6788	**2.539,63**	7017	**3.994,97**	10103	**4.885,18**	11363	**5.300,03**
5800		4686	**2.017,36**	6177	**2.402,91**	7030	**2.617,80**	7267	**4.114,85**	10464	**5.032,07**	11769	**5.461,73**
6000		4848	**2.077,06**	6390	**2.473,67**	7272	**2.695,97**	7518	**4.234,73**	10824	**5.178,95**	12174	**5.623,43**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

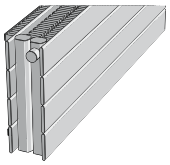
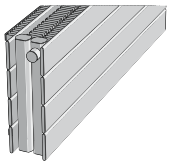
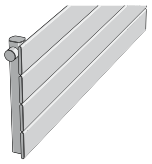
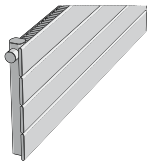
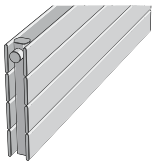
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	780				851							
													
Model		**NHLLHL77/28**		**NHLLHL77/56**		**NH84**		**NHL84/28**		**NHL84/56**		**NHH84**	
Depth	mm	128		128		45		60		60		53	
Height of fins	mm	265		541		-		265		541		-	
Exponent	n	1,30		1,35		1,28		1,27		1,29		1,29	
Basic price	**€**	**857,75**		**857,75**		**306,51**		**370,34**		**370,34**		**667,64**	
Price/metre	**€**	**742,71**		**851,90**		**324,08**		**378,16**		**415,23**		**650,62**	
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		1028	**1.229,11**	1191	**1.283,70**	441	**468,55**	566	**559,42**	637	**577,96**	681	**992,95**
600		1233	**1.303,38**	1430	**1.368,89**	530	**500,96**	680	**597,24**	765	**619,48**	817	**1.058,01**
700		1439	**1.377,65**	1668	**1.454,08**	618	**533,37**	793	**635,05**	892	**661,00**	953	**1.123,07**
800		1644	**1.451,92**	1906	**1.539,27**	706	**565,77**	906	**672,87**	1020	**702,52**	1090	**1.188,14**
900		1850	**1.526,19**	2144	**1.624,46**	794	**598,18**	1019	**710,68**	1147	**744,05**	1226	**1.253,20**
1000		2055	**1.600,46**	2382	**1.709,65**	882	**630,59**	1132	**748,50**	1274	**785,57**	1362	**1.318,26**
1100		2261	**1.674,73**	2621	**1.794,84**	971	**663,00**	1246	**786,32**	1402	**827,09**	1498	**1.383,32**
1200		2466	**1.749,00**	2859	**1.880,03**	1059	**695,41**	1359	**824,13**	1529	**868,62**	1634	**1.448,38**
1300		2672	**1.823,27**	3097	**1.965,22**	1147	**727,81**	1472	**861,95**	1657	**910,14**	1771	**1.513,45**
1400		2877	**1.897,54**	3335	**2.050,41**	1235	**760,22**	1585	**899,76**	1784	**951,66**	1907	**1.578,51**
1500		3083	**1.971,82**	3573	**2.135,60**	1323	**792,63**	1698	**937,58**	1911	**993,19**	2043	**1.643,57**
1600		3288	**2.046,09**	3812	**2.220,79**	1412	**825,04**	1812	**975,40**	2039	**1.034,71**	2179	**1.708,63**
1700		3494	**2.120,36**	4050	**2.305,98**	1500	**857,45**	1925	**1.013,21**	2166	**1.076,23**	2315	**1.773,69**
1800		3699	**2.194,63**	4288	**2.391,17**	1588	**889,85**	2038	**1.051,03**	2294	**1.117,75**	2452	**1.838,76**
1900		3905	**2.268,90**	4526	**2.476,36**	1676	**922,26**	2151	**1.088,84**	2421	**1.159,28**	2588	**1.903,82**
2000		4110	**2.343,17**	4764	**2.561,55**	1764	**954,67**	2264	**1.126,66**	2548	**1.200,80**	2724	**1.968,88**
2200		4521	**2.491,71**	5241	**2.731,93**	1941	**1.019,49**	2491	**1.202,29**	2803	**1.283,85**	2996	**2.099,00**
2400		4932	**2.640,25**	5717	**2.902,31**	2117	**1.084,30**	2717	**1.277,92**	3058	**1.366,89**	3269	**2.229,13**
2600		5343	**2.788,80**	6194	**3.072,69**	2294	**1.149,12**	2944	**1.353,56**	3313	**1.449,94**	3541	**2.359,25**
2800		5754	**2.937,34**	6670	**3.243,07**	2470	**1.213,93**	3170	**1.429,19**	3568	**1.532,98**	3814	**2.489,38**
3000		6165	**3.085,88**	7146	**3.413,45**	2646	**1.278,75**	3396	**1.504,82**	3822	**1.616,03**	4086	**2.619,50**
3200		6576	**3.234,42**	7623	**3.583,83**	2823	**1.343,57**	3623	**1.580,45**	4077	**1.699,08**	4358	**2.749,62**
3400		6987	**3.382,96**	8099	**3.754,21**	2999	**1.408,38**	3849	**1.656,08**	4332	**1.782,12**	4631	**2.879,75**
3600		7398	**3.531,51**	8576	**3.924,59**	3176	**1.473,20**	4076	**1.731,72**	4587	**1.865,17**	4903	**3.009,87**
3800		7809	**3.680,05**	9052	**4.094,97**	3352	**1.538,01**	4302	**1.807,35**	4842	**1.948,21**	5176	**3.140,00**
4000		8220	**3.828,59**	9528	**4.265,35**	3528	**1.602,83**	4528	**1.882,98**	5096	**2.031,26**	5448	**3.270,12**
4200		8631	**3.977,13**	10005	**4.435,73**	3705	**1.667,65**	4755	**1.958,61**	5351	**2.114,31**	5720	**3.400,24**
4400		9042	**4.125,67**	10481	**4.606,11**	3881	**1.732,46**	4981	**2.034,24**	5606	**2.197,35**	5993	**3.530,37**
4600		9453	**4.274,22**	10958	**4.776,49**	4058	**1.797,28**	5208	**2.109,88**	5861	**2.280,40**	6265	**3.660,49**
4800		9864	**4.422,76**	11434	**4.946,87**	4234	**1.862,09**	5434	**2.185,51**	6116	**2.363,44**	6538	**3.790,62**
5000		10275	**4.571,30**	11910	**5.117,25**	4410	**1.926,91**	5660	**2.261,14**	6370	**2.446,49**	6810	**3.920,74**
5200		10686	**4.719,84**	12387	**5.287,63**	4587	**1.991,73**	5887	**2.336,77**	6625	**2.529,54**	7082	**4.050,86**
5400		11097	**4.868,38**	12863	**5.458,01**	4763	**2.056,54**	6113	**2.412,40**	6880	**2.612,58**	7355	**4.180,99**
5600		11508	**5.016,93**	13340	**5.628,39**	4940	**2.121,36**	6340	**2.488,04**	7135	**2.695,63**	7627	**4.311,11**
5800		11919	**5.165,47**	13816	**5.798,77**	5116	**2.186,17**	6566	**2.563,67**	7390	**2.778,67**	7900	**4.441,24**
6000		12330	**5.314,01**	14292	**5.969,15**	5292	**2.250,99**	6792	**2.639,30**	7644	**2.861,72**	8172	**4.571,36**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

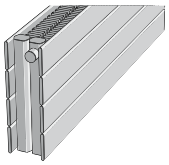
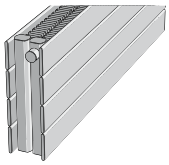
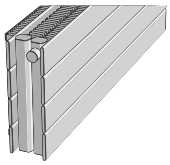
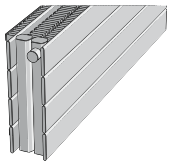
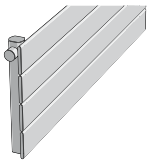
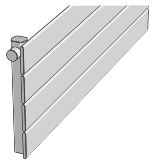
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see “Special versions” on page 37

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 Nova

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

Height	mm	851								922		993	
													
Model		**NHLLH84/28**		**NHLLH84/56**		**NHLLHL84/28**		**NHLLHL84/56**		**NH91**		**NH98**	
Depth	mm	92		92		128		128		45		45	
Height of fins	mm	265		541		265		541		-		-	
Exponent	n	1,31		1,34		1,31		1,35		1,28		1,28	
Basic price	**€**	**813,87**		**813,87**		**906,48**		**906,48**		**326,98**		**347,47**	
Price/metre	**€**	**785,59**		**859,65**		**791,45**		**900,55**		**349,68**		**375,22**	
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		952	**1.206,67**	1061	**1.243,70**	1079	**1.302,21**	1237	**1.356,76**	479	**501,82**	512	**535,08**
600		1143	**1.285,22**	1274	**1.329,66**	1295	**1.381,35**	1484	**1.446,81**	575	**536,79**	614	**572,60**
700		1333	**1.363,78**	1486	**1.415,63**	1511	**1.460,50**	1732	**1.536,87**	670	**571,76**	717	**610,12**
800		1524	**1.442,34**	1698	**1.501,59**	1727	**1.539,64**	1979	**1.626,92**	766	**606,72**	819	**647,65**
900		1714	**1.520,90**	1910	**1.587,56**	1943	**1.618,79**	2226	**1.716,98**	862	**641,69**	922	**685,17**
1000		1904	**1.599,46**	2122	**1.673,52**	2158	**1.697,93**	2473	**1.807,03**	957	**676,66**	1024	**722,69**
1100		2095	**1.678,02**	2335	**1.759,49**	2374	**1.777,08**	2721	**1.897,09**	1053	**711,63**	1126	**760,21**
1200		2285	**1.756,58**	2547	**1.845,45**	2590	**1.856,22**	2968	**1.987,14**	1149	**746,60**	1229	**797,73**
1300		2476	**1.835,14**	2759	**1.931,42**	2806	**1.935,37**	3215	**2.077,20**	1245	**781,56**	1331	**835,26**
1400		2666	**1.913,70**	2971	**2.017,38**	3022	**2.014,51**	3463	**2.167,25**	1340	**816,53**	1434	**872,78**
1500		2856	**1.992,26**	3183	**2.103,35**	3237	**2.093,66**	3710	**2.257,31**	1436	**851,50**	1536	**910,30**
1600		3047	**2.070,81**	3396	**2.189,31**	3453	**2.172,80**	3957	**2.347,36**	1532	**886,47**	1638	**947,82**
1700		3237	**2.149,37**	3608	**2.275,28**	3669	**2.251,95**	4205	**2.437,42**	1627	**921,44**	1741	**985,34**
1800		3428	**2.227,93**	3820	**2.361,24**	3885	**2.331,09**	4452	**2.527,47**	1723	**956,40**	1843	**1.022,87**
1900		3618	**2.306,49**	4032	**2.447,21**	4101	**2.410,24**	4699	**2.617,53**	1819	**991,37**	1946	**1.060,39**
2000		3808	**2.385,05**	4244	**2.533,17**	4316	**2.489,38**	4946	**2.707,58**	1914	**1.026,34**	2048	**1.097,91**
2200		4189	**2.542,17**	4669	**2.705,10**	4748	**2.647,67**	5441	**2.887,69**	2106	**1.096,28**	2253	**1.172,95**
2400		4570	**2.699,29**	5093	**2.877,03**	5180	**2.805,96**	5936	**3.067,80**	2297	**1.166,21**	2458	**1.248,00**
2600		4951	**2.856,40**	5518	**3.048,96**	5611	**2.964,25**	6430	**3.247,91**	2489	**1.236,15**	2662	**1.323,04**
2800		5332	**3.013,52**	5942	**3.220,89**	6043	**3.122,54**	6925	**3.428,02**	2680	**1.306,08**	2867	**1.398,09**
3000		5712	**3.170,64**	6366	**3.392,82**	6474	**3.280,83**	7419	**3.608,13**	2871	**1.376,02**	3072	**1.473,13**
3200		6093	**3.327,76**	6791	**3.564,75**	6906	**3.439,12**	7914	**3.788,24**	3063	**1.445,96**	3277	**1.548,17**
3400		6474	**3.484,88**	7215	**3.736,68**	7338	**3.597,41**	8409	**3.968,35**	3254	**1.515,89**	3482	**1.623,22**
3600		6855	**3.641,99**	7640	**3.908,61**	7769	**3.755,70**	8903	**4.148,46**	3446	**1.585,83**	3686	**1.698,26**
3800		7236	**3.799,11**	8064	**4.080,54**	8201	**3.913,99**	9398	**4.328,57**	3637	**1.655,76**	3891	**1.773,31**
4000		7616	**3.956,23**	8488	**4.252,47**	8632	**4.072,28**	9892	**4.508,68**	3828	**1.725,70**	4096	**1.848,35**
4200		7997	**4.113,35**	8913	**4.424,40**	9064	**4.230,57**	10387	**4.688,79**	4020	**1.795,64**	4301	**1.923,39**
4400		8378	**4.270,47**	9337	**4.596,33**	9496	**4.388,86**	10882	**4.868,90**	4211	**1.865,57**	4506	**1.998,44**
4600		8759	**4.427,58**	9762	**4.768,26**	9927	**4.547,15**	11376	**5.049,01**	4403	**1.935,51**	4710	**2.073,48**
4800		9140	**4.584,70**	10186	**4.940,19**	10359	**4.705,44**	11871	**5.229,12**	4594	**2.005,44**	4915	**2.148,53**
5000		9520	**4.741,82**	10610	**5.112,12**	10790	**4.863,73**	12365	**5.409,23**	4785	**2.075,38**	5120	**2.223,57**
5200		9901	**4.898,94**	11035	**5.284,05**	11222	**5.022,02**	12860	**5.589,34**	4977	**2.145,32**	5325	**2.298,61**
5400		10282	**5.056,06**	11459	**5.455,98**	11654	**5.180,31**	13355	**5.769,45**	5168	**2.215,25**	5530	**2.373,66**
5600		10663	**5.213,17**	11884	**5.627,91**	12085	**5.338,60**	13849	**5.949,56**	5360	**2.285,19**	5734	**2.448,70**
5800		11044	**5.370,29**	12308	**5.799,84**	12517	**5.496,89**	14344	**6.129,67**	5551	**2.355,12**	5939	**2.523,75**
6000		11424	**5.527,41**	12732	**5.971,77**	12948	**5.655,18**	14838	**6.309,78**	5742	**2.425,06**	6144	**2.598,79**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

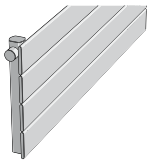
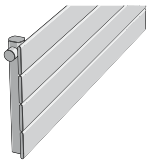
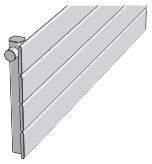
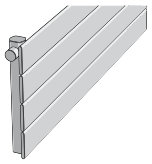
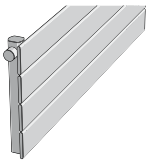
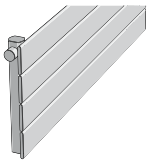
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	1064		1135		1206		1277		1348		1419	
													
Model		**NH105**		**NH112**		**NH119**		**NH126**		**NH133**		**NH140**	
Depth	mm	45		45		45		45		45		45	
Height of fins	mm	-		-		-		-		-		-	
Exponent	n	1,28		1,28		1,28		1,28		1,29		1,29	
Basic price	**€**	**367,95**		**388,43**		**408,92**		**429,34**		**449,79**		**470,26**	
Price/metre	**€**	**400,80**		**426,43**		**452,02**		**477,58**		**503,20**		**528,76**	
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		545	**568,35**	577	**601,65**	609	**634,93**	641	**668,13**	674	**701,39**	707	**734,64**
600		653	**608,43**	692	**644,29**	731	**680,13**	769	**715,89**	808	**751,71**	849	**787,52**
700		762	**648,51**	807	**686,93**	853	**725,33**	897	**763,65**	943	**802,03**	990	**840,39**
800		871	**688,59**	922	**729,57**	974	**770,54**	1026	**811,40**	1078	**852,35**	1132	**893,27**
900		980	**728,67**	1038	**772,22**	1096	**815,74**	1154	**859,16**	1212	**902,67**	1273	**946,14**
1000		1089	**768,75**	1153	**814,86**	1218	**860,94**	1282	**906,92**	1347	**952,99**	1414	**999,02**
1100		1198	**808,83**	1268	**857,50**	1340	**906,14**	1410	**954,68**	1482	**1.003,31**	1556	**1.051,90**
1200		1307	**848,91**	1384	**900,15**	1462	**951,34**	1538	**1.002,44**	1616	**1.053,63**	1697	**1.104,77**
1300		1416	**888,99**	1499	**942,79**	1583	**996,55**	1667	**1.050,19**	1751	**1.103,95**	1839	**1.157,65**
1400		1525	**929,07**	1614	**985,43**	1705	**1.041,75**	1795	**1.097,95**	1886	**1.154,27**	1980	**1.210,52**
1500		1634	**969,15**	1730	**1.028,08**	1827	**1.086,95**	1923	**1.145,71**	2021	**1.204,59**	2121	**1.263,40**
1600		1742	**1.009,23**	1845	**1.070,72**	1949	**1.132,15**	2051	**1.193,47**	2155	**1.254,91**	2263	**1.316,28**
1700		1851	**1.049,31**	1960	**1.113,36**	2071	**1.177,35**	2179	**1.241,23**	2290	**1.305,23**	2404	**1.369,15**
1800		1960	**1.089,39**	2075	**1.156,00**	2192	**1.222,56**	2308	**1.288,98**	2425	**1.355,55**	2546	**1.422,03**
1900		2069	**1.129,47**	2191	**1.198,65**	2314	**1.267,76**	2436	**1.336,74**	2559	**1.405,87**	2687	**1.474,90**
2000		2178	**1.169,55**	2306	**1.241,29**	2436	**1.312,96**	2564	**1.384,50**	2694	**1.456,19**	2828	**1.527,78**
2200		2396	**1.249,71**	2537	**1.326,58**	2680	**1.403,36**	2820	**1.480,02**	2963	**1.556,83**	3111	**1.633,53**
2400		2614	**1.329,87**	2767	**1.411,86**	2923	**1.493,77**	3077	**1.575,53**	3233	**1.657,47**	3394	**1.739,28**
2600		2831	**1.410,03**	2998	**1.497,15**	3167	**1.584,17**	3333	**1.671,05**	3502	**1.758,11**	3677	**1.845,04**
2800		3049	**1.490,19**	3228	**1.582,43**	3410	**1.674,58**	3590	**1.766,56**	3772	**1.858,75**	3960	**1.950,79**
3000		3267	**1.570,35**	3459	**1.667,72**	3654	**1.764,98**	3846	**1.862,08**	4041	**1.959,39**	4242	**2.056,54**
3200		3485	**1.650,51**	3690	**1.753,01**	3898	**1.855,38**	4102	**1.957,60**	4310	**2.060,03**	4525	**2.162,29**
3400		3703	**1.730,67**	3920	**1.838,29**	4141	**1.945,79**	4359	**2.053,11**	4580	**2.160,67**	4808	**2.268,04**
3600		3920	**1.810,83**	4151	**1.923,58**	4385	**2.036,19**	4615	**2.148,63**	4849	**2.261,31**	5091	**2.373,80**
3800		4138	**1.890,99**	4381	**2.008,86**	4628	**2.126,60**	4872	**2.244,14**	5119	**2.361,95**	5374	**2.479,55**
4000		4356	**1.971,15**	4612	**2.094,15**	4872	**2.217,00**	5128	**2.339,66**	5388	**2.462,59**	5656	**2.585,30**
4200		4574	**2.051,31**	4843	**2.179,44**	5116	**2.307,40**	5384	**2.435,18**	5657	**2.563,23**	5939	**2.691,05**
4400		4792	**2.131,47**	5073	**2.264,72**	5359	**2.397,81**	5641	**2.530,69**	5927	**2.663,87**	6222	**2.796,80**
4600		5009	**2.211,63**	5304	**2.350,01**	5603	**2.488,21**	5897	**2.626,21**	6196	**2.764,51**	6505	**2.902,56**
4800		5227	**2.291,79**	5534	**2.435,29**	5846	**2.578,62**	6154	**2.721,72**	6466	**2.865,15**	6788	**3.008,31**
5000		5445	**2.371,95**	5765	**2.520,58**	6090	**2.669,02**	6410	**2.817,24**	6735	**2.965,79**	7070	**3.114,06**
5200		5663	**2.452,11**	5996	**2.605,87**	6334	**2.759,42**	6666	**2.912,76**	7004	**3.066,43**	7353	**3.219,81**
5400		5881	**2.532,27**	6226	**2.691,15**	6577	**2.849,83**	6923	**3.008,27**	7274	**3.167,07**	7636	**3.325,56**
5600		6098	**2.612,43**	6457	**2.776,44**	6821	**2.940,23**	7179	**3.103,79**	7543	**3.267,71**	7919	**3.431,32**
5800		6316	**2.692,59**	6687	**2.861,72**	7064	**3.030,64**	7436	**3.199,30**	7813	**3.368,35**	8202	**3.537,07**
6000		6534	**2.772,75**	6918	**2.947,01**	7308	**3.121,04**	7692	**3.294,82**	8082	**3.468,99**	8484	**3.642,82**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

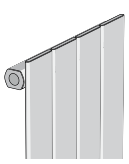
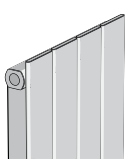
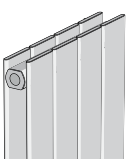
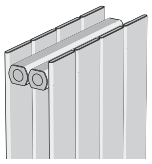
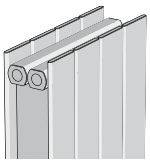
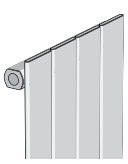
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For grille or strip, see "Special versions" on page 37

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 Nova

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

Height	mm	600										800	
													
Model		**NV60**		**NVL60**		**NVV60**		**NVV60-4SR**		**NVLV60**		**NV80**	
Depth	mm	45		58		53		92		110		45	
Exponent	n	1,27		1,28		1,32		1,28		1,28		1,27	
Basic price	**€**	**71,16**		**224,15**		**95,06**		**330,93**		**562,38**		**74,60**	
Price/metre	**€**	**514,83**		**501,07**		**1.036,49**		**844,43**		**865,62**		**590,35**	
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	141	92	**143,75**			134	**241,21**	158	**449,99**			120	**157,84**
3	212	138	**180,30**	213	**330,38**	201	**314,80**	237	**509,95**	288	**745,89**	180	**199,75**
4	283	184	**216,86**	284	**365,95**	268	**388,39**	316	**569,90**	384	**807,35**	240	**241,67**
5	354	230	**253,41**	355	**401,53**	335	**461,98**	395	**629,86**	481	**868,81**	300	**283,58**
6	425	276	**289,96**	426	**437,10**	402	**535,57**	474	**689,81**	577	**930,27**	360	**325,50**
7	496	322	**326,52**	497	**472,68**	469	**609,16**	553	**749,77**	673	**991,73**	420	**367,41**
8	567	368	**363,07**	568	**508,26**	536	**682,75**	632	**809,72**	769	**1.053,19**	480	**409,33**
9	638	414	**399,62**	639	**543,83**	603	**756,34**	711	**869,68**	865	**1.114,65**	540	**451,24**
10	709	460	**436,17**	710	**579,41**	670	**829,93**	790	**929,63**	961	**1.176,10**	600	**493,16**
11	780	506	**472,73**	781	**614,98**	737	**903,52**	869	**989,59**	1057	**1.237,56**	660	**535,07**
12	851	552	**509,28**	852	**650,56**	804	**977,11**	948	**1.049,54**	1153	**1.299,02**	720	**576,99**
13	922	598	**545,83**	923	**686,14**	871	**1.050,70**	1027	**1.109,49**	1249	**1.360,48**	780	**618,90**
14	993	644	**582,39**	994	**721,71**	938	**1.124,29**	1106	**1.169,45**	1345	**1.421,94**	840	**660,82**
15	1064	690	**618,94**	1065	**757,29**			1185	**1.229,40**	1442	**1.483,40**	900	**702,73**
16	1135	736	**655,49**	1136	**792,86**			1264	**1.289,36**	1538	**1.544,86**	960	**744,65**
17	1206	782	**692,04**	1207	**828,44**			1343	**1.349,31**	1634	**1.606,32**	1020	**786,56**
18	1277	828	**728,60**	1278	**864,02**			1422	**1.409,27**	1730	**1.667,78**	1080	**828,48**
19	1348	874	**765,15**	1349	**899,59**			1501	**1.469,22**	1826	**1.729,24**	1140	**870,39**
20	1419	920	**801,70**	1420	**935,17**			1580	**1.529,18**	1922	**1.790,69**	1200	**912,31**
21	1490	966	**838,26**	1491	**970,74**			1659	**1.589,13**	2018	**1.852,15**	1260	**954,22**
22	1561	1012	**874,81**	1562	**1.006,32**			1738	**1.649,09**	2114	**1.913,61**	1320	**996,14**
23	1632	1058	**911,36**	1633	**1.041,90**			1817	**1.709,04**	2210	**1.975,07**	1380	**1.038,05**
24	1703	1104	**947,92**	1704	**1.077,47**			1896	**1.768,99**	2306	**2.036,53**	1440	**1.079,97**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

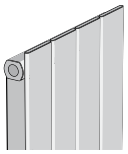
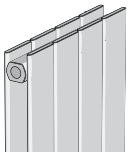
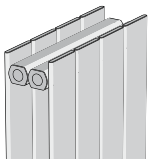
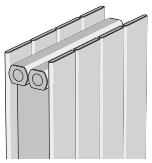
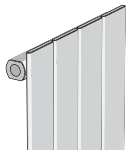
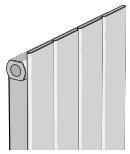
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	800								1000			
													
Model		**NVL80**		**NVV80**		**NVV80-4SR**		**NVLV80**		**NV100**		**NVL100**	
Depth	mm	58		53		92		110		45		58	
Exponent	n	1,28		1,32		1,29		1,30		1,28		1,29	
Basic price	**€**	**253,42**		**102,31**		**338,20**		**598,39**		**77,93**		**282,64**	
Price/metre	**€**	**576,58**		**1.187,51**		**989,68**		**1.015,31**		**665,81**		**652,14**	
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	141	176	**334,72**			200	**477,74**	240	**741,55**			210	**374,59**
3	212	264	**375,65**	261	**354,06**	300	**548,01**	360	**813,64**	222	**219,08**	315	**420,89**
4	283	352	**416,59**	348	**438,38**	400	**618,28**	480	**885,72**	296	**266,35**	420	**467,20**
5	354	440	**457,53**	435	**522,69**	500	**688,55**	600	**957,81**	370	**313,63**	525	**513,50**
6	425	528	**498,47**	522	**607,00**	600	**758,81**	720	**1.029,90**	444	**360,90**	630	**559,80**
7	496	616	**539,40**	609	**691,31**	700	**829,08**	840	**1.101,98**	518	**408,17**	735	**606,10**
8	567	704	**580,34**	696	**775,63**	800	**899,35**	960	**1.174,07**	592	**455,44**	840	**652,40**
9	638	792	**621,28**	783	**859,94**	900	**969,62**	1080	**1.246,16**	666	**502,72**	945	**698,71**
10	709	880	**662,22**	870	**944,25**	1000	**1.039,88**	1200	**1.318,24**	740	**549,99**	1050	**745,01**
11	780	968	**703,15**	957	**1.028,57**	1100	**1.110,15**	1320	**1.390,33**	814	**597,26**	1155	**791,31**
12	851	1056	**744,09**	1044	**1.112,88**	1200	**1.180,42**	1440	**1.462,42**	888	**644,53**	1260	**837,61**
13	922	1144	**785,03**	1131	**1.197,19**	1300	**1.250,68**	1560	**1.534,51**	962	**691,81**	1365	**883,91**
14	993	1232	**825,96**	1218	**1.281,51**	1400	**1.320,95**	1680	**1.606,59**	1036	**739,08**	1470	**930,22**
15	1064	1320	**866,90**			1500	**1.391,22**	1800	**1.678,68**	1110	**786,35**	1575	**976,52**
16	1135	1408	**907,84**			1600	**1.461,49**	1920	**1.750,77**	1184	**833,62**	1680	**1.022,82**
17	1206	1496	**948,78**			1700	**1.531,75**	2040	**1.822,85**	1258	**880,90**	1785	**1.069,12**
18	1277	1584	**989,71**			1800	**1.602,02**	2160	**1.894,94**	1332	**928,17**	1890	**1.115,42**
19	1348	1672	**1.030,65**			1900	**1.672,29**	2280	**1.967,03**	1406	**975,44**	1995	**1.161,72**
20	1419	1760	**1.071,59**			2000	**1.742,56**	2400	**2.039,11**	1480	**1.022,71**	2100	**1.208,03**
21	1490	1848	**1.112,52**			2100	**1.812,82**	2520	**2.111,20**	1554	**1.069,99**	2205	**1.254,33**
22	1561	1936	**1.153,46**			2200	**1.883,09**	2640	**2.183,29**	1628	**1.117,26**	2310	**1.300,63**
23	1632	2024	**1.194,40**			2300	**1.953,36**	2760	**2.255,38**	1702	**1.164,53**	2415	**1.346,93**
24	1703	2112	**1.235,34**			2400	**2.023,63**	2880	**2.327,46**	1776	**1.211,80**	2520	**1.393,23**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

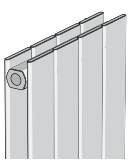
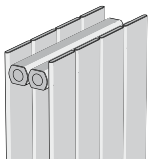
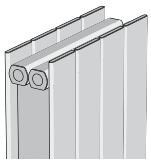
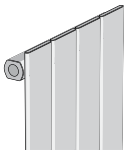
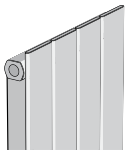
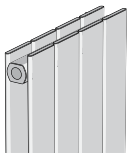
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	1000						1200					
													
Model		**NVV100**		**NVV100-4SR**		**NVLV100**		**NV120**		**NVL120**		**NVV120**	
Depth	mm	53		92		110		45		58		53	
Exponent	n	1,32		1,29		1,32		1,30		1,29		1,32	
Basic price	**€**	**109,65**		**345,32**		**634,45**		**81,42**		**311,87**		**116,93**	
Price/metre	**€**	**1.338,47**		**1.138,27**		**1.167,51**		**741,31**		**727,61**		**1.489,55**	
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	141	214	**298,37**	242	**505,82**			176	**185,94**			254	**326,96**
3	212	321	**393,41**	363	**586,63**	432	**881,96**	264	**238,58**	363	**466,12**	381	**432,71**
4	283	428	**488,44**	484	**667,45**	576	**964,86**	352	**291,21**	484	**517,78**	508	**538,47**
5	354	535	**583,47**	605	**748,27**	720	**1.047,75**	440	**343,84**	605	**569,44**	635	**644,23**
6	425	642	**678,50**	726	**829,08**	864	**1.130,64**	528	**396,48**	726	**621,10**	762	**749,99**
7	496	749	**773,53**	847	**909,90**	1008	**1.213,53**	616	**449,11**	847	**672,76**	889	**855,75**
8	567	856	**868,56**	968	**990,72**	1152	**1.296,43**	704	**501,74**	968	**724,42**	1016	**961,50**
9	638	963	**963,59**	1089	**1.071,54**	1296	**1.379,32**	792	**554,38**	1089	**776,09**	1143	**1.067,26**
10	709	1070	**1.058,63**	1210	**1.152,35**	1440	**1.462,21**	880	**607,01**	1210	**827,75**	1270	**1.173,02**
11	780	1177	**1.153,66**	1331	**1.233,17**	1584	**1.545,11**	968	**659,64**	1331	**879,41**	1397	**1.278,78**
12	851	1284	**1.248,69**	1452	**1.313,99**	1728	**1.628,00**	1056	**712,27**	1452	**931,07**	1524	**1.384,54**
13	922	1391	**1.343,72**	1573	**1.394,80**	1872	**1.710,89**	1144	**764,91**	1573	**982,73**	1651	**1.490,30**
14	993	1498	**1.438,75**	1694	**1.475,62**	2016	**1.793,79**	1232	**817,54**	1694	**1.034,39**	1778	**1.596,05**
15	1064			1815	**1.556,44**	2160	**1.876,68**	1320	**870,17**	1815	**1.086,05**		
16	1135			1936	**1.637,26**	2304	**1.959,57**	1408	**922,81**	1936	**1.137,71**		
17	1206			2057	**1.718,07**	2448	**2.042,47**	1496	**975,44**	2057	**1.189,37**		
18	1277			2178	**1.798,89**	2592	**2.125,36**	1584	**1.028,07**	2178	**1.241,03**		
19	1348			2299	**1.879,71**	2736	**2.208,25**	1672	**1.080,71**	2299	**1.292,69**		
20	1419			2420	**1.960,53**	2880	**2.291,15**	1760	**1.133,34**	2420	**1.344,35**		
21	1490			2541	**2.041,34**	3024	**2.374,04**	1848	**1.185,97**	2541	**1.396,01**		
22	1561			2662	**2.122,16**	3168	**2.456,93**	1936	**1.238,60**	2662	**1.447,67**		
23	1632			2783	**2.202,98**	3312	**2.539,83**	2024	**1.291,24**	2783	**1.499,33**		
24	1703			2904	**2.283,79**	3456	**2.622,72**	2112	**1.343,87**	2904	**1.550,99**		

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

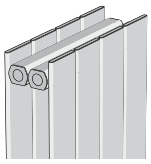
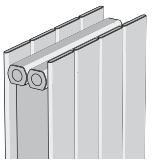
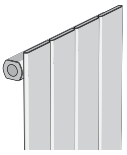
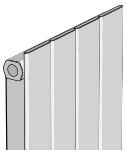
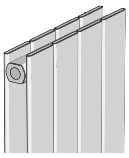
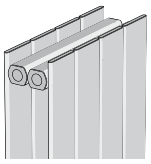
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	1200				1400							
													
Model		**NVV120-4SR**		**NVLV120**		**NV140**		**NVL140**		**NVV140**		**NVV140-4SR**	
Depth	mm	92		110		45		58		53		92	
Exponent	n	1,30		1,34		1,29		1,30		1,32		1,31	
Basic price	**€**	**352,42**		**670,55**		**84,83**		**341,13**		**124,32**		**359,56**	
Price/metre	**€**	**1.285,32**		**1.317,98**		**816,83**		**803,09**		**1.640,54**		**1.433,40**	
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	141	282	**533,65**			202	**200,00**			294	**355,64**	326	**561,67**
3	212	423	**624,91**	507	**949,96**	303	**258,00**	411	**511,39**	441	**472,11**	489	**663,44**
4	283	564	**716,17**	676	**1.043,54**	404	**315,99**	548	**568,40**	588	**588,59**	652	**765,21**
5	354	705	**807,42**	845	**1.137,11**	505	**373,99**	685	**625,42**	735	**705,07**	815	**866,98**
6	425	846	**898,68**	1014	**1.230,69**	606	**431,98**	822	**682,44**	882	**821,55**	978	**968,76**
7	496	987	**989,94**	1183	**1.324,27**	707	**489,98**	959	**739,46**	1029	**938,03**	1141	**1.070,53**
8	567	1128	**1.081,20**	1352	**1.417,84**	808	**547,97**	1096	**796,48**	1176	**1.054,51**	1304	**1.172,30**
9	638	1269	**1.172,45**	1521	**1.511,42**	909	**605,97**	1233	**853,50**	1323	**1.170,98**	1467	**1.274,07**
10	709	1410	**1.263,71**	1690	**1.605,00**	1010	**663,96**	1370	**910,52**	1470	**1.287,46**	1630	**1.375,84**
11	780	1551	**1.354,97**	1859	**1.698,57**	1111	**721,96**	1507	**967,54**	1617	**1.403,94**	1793	**1.477,61**
12	851	1692	**1.446,23**	2028	**1.792,15**	1212	**779,95**	1644	**1.024,56**	1764	**1.520,42**	1956	**1.579,38**
13	922	1833	**1.537,49**	2197	**1.885,73**	1313	**837,95**	1781	**1.081,58**	1911	**1.636,90**	2119	**1.681,15**
14	993	1974	**1.628,74**	2366	**1.979,30**	1414	**895,94**	1918	**1.138,60**	2058	**1.753,38**	2282	**1.782,93**
15	1064	2115	**1.720,00**	2535	**2.072,88**	1515	**953,94**	2055	**1.195,62**			2445	**1.884,70**
16	1135	2256	**1.811,26**	2704	**2.166,46**	1616	**1.011,93**	2192	**1.252,64**			2608	**1.986,47**
17	1206	2397	**1.902,52**	2873	**2.260,03**	1717	**1.069,93**	2329	**1.309,66**			2771	**2.088,24**
18	1277	2538	**1.993,77**	3042	**2.353,61**	1818	**1.127,92**	2466	**1.366,68**			2934	**2.190,01**
19	1348	2679	**2.085,03**	3211	**2.447,19**	1919	**1.185,92**	2603	**1.423,70**			3097	**2.291,78**
20	1419	2820	**2.176,29**	3380	**2.540,76**	2020	**1.243,91**	2740	**1.480,71**			3260	**2.393,55**
21	1490	2961	**2.267,55**	3549	**2.634,34**	2121	**1.301,91**	2877	**1.537,73**			3423	**2.495,33**
22	1561	3102	**2.358,80**	3718	**2.727,92**	2222	**1.359,90**	3014	**1.594,75**			3586	**2.597,10**
23	1632	3243	**2.450,06**	3887	**2.821,49**	2323	**1.417,90**	3151	**1.651,77**			3749	**2.698,87**
24	1703	3384	**2.541,32**	4056	**2.915,07**	2424	**1.475,89**	3288	**1.708,79**			3912	**2.800,64**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

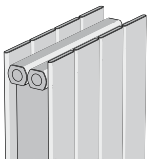
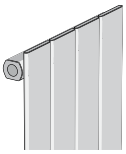
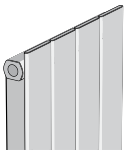
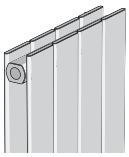
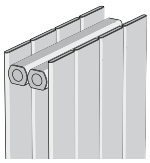
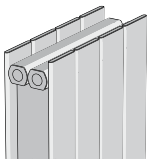
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	1400		1600									
													
Model		**NVLV140**		**NV160**		**NVL160**		**NVV160**		**NVV160-4SR**		**NVLV160**	
Depth	mm	110		45		58		53		92		110	
Exponent	n	1,36		1,29		1,30		1,32		1,31		1,37	
Basic price	**€**	**706,63**		**88,20**		**370,34**		**131,56**		**366,71**		**742,66**	
Price/metre	**€**	**1.470,21**		**892,34**		**878,63**		**1.791,53**		**1.580,50**		**1.620,72**	
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	141			232	**214,02**			332	**384,17**	368	**589,56**		
3	212	585	**1.018,31**	348	**277,38**	459	**556,61**	498	**511,36**	552	**701,78**	666	**1.086,25**
4	283	780	**1.122,70**	464	**340,73**	612	**618,99**	664	**638,56**	736	**813,99**	888	**1.201,32**
5	354	975	**1.227,08**	580	**404,09**	765	**681,38**	830	**765,76**	920	**926,21**	1110	**1.316,39**
6	425	1170	**1.331,47**	696	**467,44**	918	**743,76**	996	**892,96**	1104	**1.038,42**	1332	**1.431,47**
7	496	1365	**1.435,85**	812	**530,80**	1071	**806,14**	1162	**1.020,16**	1288	**1.150,64**	1554	**1.546,54**
8	567	1560	**1.540,24**	928	**594,16**	1224	**868,52**	1328	**1.147,36**	1472	**1.262,85**	1776	**1.661,61**
9	638	1755	**1.644,62**	1044	**657,51**	1377	**930,91**	1494	**1.274,56**	1656	**1.375,07**	1998	**1.776,68**
10	709	1950	**1.749,01**	1160	**720,87**	1530	**993,29**	1660	**1.401,75**	1840	**1.487,28**	2220	**1.891,75**
11	780	2145	**1.853,39**	1276	**784,23**	1683	**1.055,67**	1826	**1.528,95**	2024	**1.599,50**	2442	**2.006,82**
12	851	2340	**1.957,78**	1392	**847,58**	1836	**1.118,05**	1992	**1.656,15**	2208	**1.711,72**	2664	**2.121,89**
13	922	2535	**2.062,16**	1508	**910,94**	1989	**1.180,44**	2158	**1.783,35**	2392	**1.823,93**	2886	**2.236,96**
14	993	2730	**2.166,55**	1624	**974,29**	2142	**1.242,82**	2324	**1.910,55**	2576	**1.936,15**	3108	**2.352,03**
15	1064	2925	**2.270,93**	1740	**1.037,65**	2295	**1.305,20**			2760	**2.048,36**	3330	**2.467,11**
16	1135	3120	**2.375,32**	1856	**1.101,01**	2448	**1.367,59**			2944	**2.160,58**	3552	**2.582,18**
17	1206	3315	**2.479,70**	1972	**1.164,36**	2601	**1.429,97**			3128	**2.272,79**	3774	**2.697,25**
18	1277	3510	**2.584,09**	2088	**1.227,72**	2754	**1.492,35**			3312	**2.385,01**	3996	**2.812,32**
19	1348	3705	**2.688,47**	2204	**1.291,07**	2907	**1.554,73**			3496	**2.497,22**	4218	**2.927,39**
20	1419	3900	**2.792,86**	2320	**1.354,43**	3060	**1.617,12**			3680	**2.609,44**	4440	**3.042,46**
21	1490	4095	**2.897,24**	2436	**1.417,79**	3213	**1.679,50**			3864	**2.721,66**	4662	**3.157,53**
22	1561	4290	**3.001,63**	2552	**1.481,14**	3366	**1.741,88**			4048	**2.833,87**	4884	**3.272,60**
23	1632	4485	**3.106,01**	2668	**1.544,50**	3519	**1.804,26**			4232	**2.946,09**	5106	**3.387,68**
24	1703	4680	**3.210,40**	2784	**1.607,86**	3672	**1.866,65**			4416	**3.058,30**	5328	**3.502,75**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

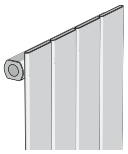
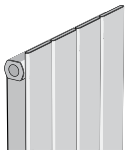
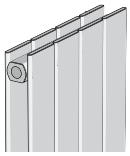
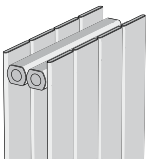
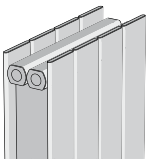
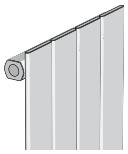
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	1800										2000	
													
Model		**NV180**		**NVL180**		**NVV180**		**NVV180-4SR**		**NVLV180**		**NV200**	
Depth	mm	45		58		53		92		110		45	
Exponent	n	1,30		1,31		1,32		1,32		1,40		1,30	
Basic price	**€**	**91,63**		**399,66**		**138,92**		**373,92**		**778,67**		**95,06**	
Price/metre	**€**	**967,90**		**954,13**		**1.942,59**		**1.729,09**		**1.772,96**		**1.043,37**	
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	141	260	**228,10**			370	**412,83**	410	**617,72**			290	**242,18**
3	212	390	**296,82**	507	**601,94**	555	**550,75**	615	**740,49**	753	**1.154,54**	435	**316,25**
4	283	520	**365,55**	676	**669,68**	740	**688,67**	820	**863,25**	1004	**1.280,42**	580	**390,33**
5	354	650	**434,27**	845	**737,42**	925	**826,60**	1025	**986,02**	1255	**1.406,30**	725	**464,41**
6	425	780	**502,99**	1014	**805,17**	1110	**964,52**	1230	**1.108,78**	1506	**1.532,18**	870	**538,49**
7	496	910	**571,71**	1183	**872,91**	1295	**1.102,44**	1435	**1.231,55**	1757	**1.658,06**	1015	**612,57**
8	567	1040	**640,43**	1352	**940,65**	1480	**1.240,37**	1640	**1.354,31**	2008	**1.783,94**	1160	**686,65**
9	638	1170	**709,15**	1521	**1.008,39**	1665	**1.378,29**	1845	**1.477,08**	2259	**1.909,82**	1305	**760,73**
10	709	1300	**777,87**	1690	**1.076,14**	1850	**1.516,22**	2050	**1.599,84**	2510	**2.035,70**	1450	**834,81**
11	780	1430	**846,59**	1859	**1.143,88**	2035	**1.654,14**	2255	**1.722,61**	2761	**2.161,58**	1595	**908,89**
12	851	1560	**915,31**	2028	**1.211,62**	2220	**1.792,06**	2460	**1.845,38**	3012	**2.287,46**	1740	**982,97**
13	922	1690	**984,03**	2197	**1.279,37**	2405	**1.929,99**	2665	**1.968,14**	3263	**2.413,34**	1885	**1.057,05**
14	993	1820	**1.052,75**	2366	**1.347,11**	2590	**2.067,91**	2870	**2.090,91**	3514	**2.539,22**	2030	**1.131,13**
15	1064	1950	**1.121,48**	2535	**1.414,85**			3075	**2.213,67**	3765	**2.665,10**	2175	**1.205,21**
16	1135	2080	**1.190,20**	2704	**1.482,60**			3280	**2.336,44**	4016	**2.790,98**	2320	**1.279,28**
17	1206	2210	**1.258,92**	2873	**1.550,34**			3485	**2.459,20**	4267	**2.916,86**	2465	**1.353,36**
18	1277	2340	**1.327,64**	3042	**1.618,08**			3690	**2.581,97**	4518	**3.042,74**	2610	**1.427,44**
19	1348	2470	**1.396,36**	3211	**1.685,83**			3895	**2.704,73**	4769	**3.168,62**	2755	**1.501,52**
20	1419	2600	**1.465,08**	3380	**1.753,57**			4100	**2.827,50**	5020	**3.294,50**	2900	**1.575,60**
21	1490	2730	**1.533,80**	3549	**1.821,31**			4305	**2.950,26**	5271	**3.420,38**	3045	**1.649,68**
22	1561	2860	**1.602,52**	3718	**1.889,06**			4510	**3.073,03**	5522	**3.546,26**	3190	**1.723,76**
23	1632	2990	**1.671,24**	3887	**1.956,80**			4715	**3.195,79**	5773	**3.672,14**	3335	**1.797,84**
24	1703	3120	**1.739,96**	4056	**2.024,54**			4920	**3.318,56**	6024	**3.798,02**	3480	**1.871,92**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

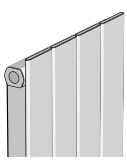
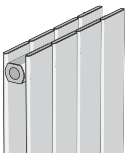
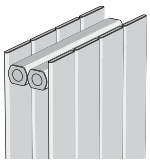
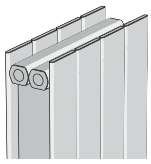
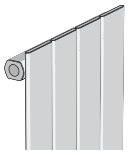
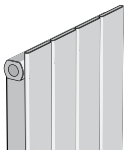
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	2000								2200			
													
Model		**NVL200**		**NVV200**		**NVV200-4SR**		**NVLV200**		**NV220**		**NVL220**	
Depth	mm	58		53		92		110		45		58	
Exponent	n	1,31		1,32		1,32		1,42		1,32		1,32	
Basic price	**€**	**428,92**		**146,16**		**381,10**		**814,79**		**98,44**		**458,11**	
Price/metre	**€**	**1.029,64**		**2.093,60**		**1.875,67**		**1.923,44**		**1.118,85**		**1.105,13**	
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	141			408	**441,36**	454	**645,57**			320	**256,20**		
3	212	555	**647,20**	612	**590,00**	681	**778,74**	819	**1.222,56**	480	**335,64**	603	**692,40**
4	283	740	**720,31**	816	**738,65**	908	**911,91**	1092	**1.359,12**	640	**415,07**	804	**770,86**
5	354	925	**793,41**	1020	**887,29**	1135	**1.045,09**	1365	**1.495,69**	800	**494,51**	1005	**849,33**
6	425	1110	**866,52**	1224	**1.035,94**	1362	**1.178,26**	1638	**1.632,25**	960	**573,95**	1206	**927,79**
7	496	1295	**939,62**	1428	**1.184,59**	1589	**1.311,43**	1911	**1.768,82**	1120	**653,39**	1407	**1.006,25**
8	567	1480	**1.012,73**	1632	**1.333,23**	1816	**1.444,60**	2184	**1.905,38**	1280	**732,83**	1608	**1.084,72**
9	638	1665	**1.085,83**	1836	**1.481,88**	2043	**1.577,78**	2457	**2.041,94**	1440	**812,27**	1809	**1.163,18**
10	709	1850	**1.158,93**	2040	**1.630,52**	2270	**1.710,95**	2730	**2.178,51**	1600	**891,70**	2010	**1.241,65**
11	780	2035	**1.232,04**	2244	**1.779,17**	2497	**1.844,12**	3003	**2.315,07**	1760	**971,14**	2211	**1.320,11**
12	851	2220	**1.305,14**	2448	**1.927,81**	2724	**1.977,30**	3276	**2.451,64**	1920	**1.050,58**	2412	**1.398,58**
13	922	2405	**1.378,25**	2652	**2.076,46**	2951	**2.110,47**	3549	**2.588,20**	2080	**1.130,02**	2613	**1.477,04**
14	993	2590	**1.451,35**	2856	**2.225,10**	3178	**2.243,64**	3822	**2.724,77**	2240	**1.209,46**	2814	**1.555,50**
15	1064	2775	**1.524,46**			3405	**2.376,81**	4095	**2.861,33**	2400	**1.288,90**	3015	**1.633,97**
16	1135	2960	**1.597,56**			3632	**2.509,99**	4368	**2.997,89**	2560	**1.368,33**	3216	**1.712,43**
17	1206	3145	**1.670,67**			3859	**2.643,16**	4641	**3.134,46**	2720	**1.447,77**	3417	**1.790,90**
18	1277	3330	**1.743,77**			4086	**2.776,33**	4914	**3.271,02**	2880	**1.527,21**	3618	**1.869,36**
19	1348	3515	**1.816,87**			4313	**2.909,50**	5187	**3.407,59**	3040	**1.606,65**	3819	**1.947,83**
20	1419	3700	**1.889,98**			4540	**3.042,68**	5460	**3.544,15**	3200	**1.686,09**	4020	**2.026,29**
21	1490	3885	**1.963,08**			4767	**3.175,85**	5733	**3.680,72**	3360	**1.765,53**	4221	**2.104,75**
22	1561	4070	**2.036,19**			4994	**3.309,02**	6006	**3.817,28**	3520	**1.844,96**	4422	**2.183,22**
23	1632	4255	**2.109,29**			5221	**3.442,19**	6279	**3.953,84**	3680	**1.924,40**	4623	**2.261,68**
24	1703	4440	**2.182,40**			5448	**3.575,37**	6552	**4.090,41**	3840	**2.003,84**	4824	**2.340,15**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

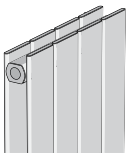
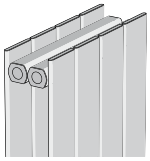
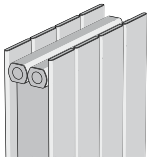
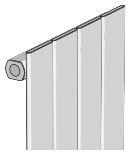
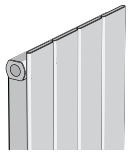
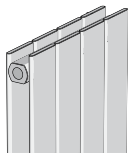
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	2200						2400					
													
Model		**NVV220**		**NVV220-4SR**		**NVLV220**		**NV240**		**NVL240**		**NVV240**	
Depth	mm	53		92		110		45		58		53	
Exponent	n	1,32		1,33		1,43		1,31		1,32		1,32	
Basic price	**€**	**153,53**		**388,13**		**850,77**		**101,87**		**487,37**		**160,81**	
Price/metre	**€**	**2.244,58**		**2.024,26**		**2.075,67**		**1.194,33**		**1.180,67**		**2.395,59**	
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	141	448	**470,02**	498	**673,55**			350	**270,27**			486	**498,59**
3	212	672	**629,38**	747	**817,27**	885	**1.290,81**	525	**355,07**	651	**737,67**	729	**668,68**
4	283	896	**788,75**	996	**961,00**	1180	**1.438,18**	700	**439,87**	868	**821,50**	972	**838,76**
5	354	1120	**948,11**	1245	**1.104,72**	1475	**1.585,56**	875	**524,66**	1085	**905,33**	1215	**1.008,85**
6	425	1344	**1.107,48**	1494	**1.248,44**	1770	**1.732,93**	1050	**609,46**	1302	**989,15**	1458	**1.178,94**
7	496	1568	**1.266,84**	1743	**1.392,16**	2065	**1.880,30**	1225	**694,26**	1519	**1.072,98**	1701	**1.349,02**
8	567	1792	**1.426,21**	1992	**1.535,89**	2360	**2.027,67**	1400	**779,06**	1736	**1.156,81**	1944	**1.519,11**
9	638	2016	**1.585,57**	2241	**1.679,61**	2655	**2.175,05**	1575	**863,85**	1953	**1.240,64**	2187	**1.689,20**
10	709	2240	**1.744,94**	2490	**1.823,33**	2950	**2.322,42**	1750	**948,65**	2170	**1.324,47**	2430	**1.859,28**
11	780	2464	**1.904,30**	2739	**1.967,05**	3245	**2.469,79**	1925	**1.033,45**	2387	**1.408,29**	2673	**2.029,37**
12	851	2688	**2.063,67**	2988	**2.110,78**	3540	**2.617,17**	2100	**1.118,24**	2604	**1.492,12**	2916	**2.199,46**
13	922	2912	**2.223,03**	3237	**2.254,50**	3835	**2.764,54**	2275	**1.203,04**	2821	**1.575,95**	3159	**2.369,54**
14	993	3136	**2.382,40**	3486	**2.398,22**	4130	**2.911,91**	2450	**1.287,84**	3038	**1.659,78**	3402	**2.539,63**
15	1064			3735	**2.541,94**	4425	**3.059,28**	2625	**1.372,64**	3255	**1.743,60**		
16	1135			3984	**2.685,67**	4720	**3.206,66**	2800	**1.457,43**	3472	**1.827,43**		
17	1206			4233	**2.829,39**	5015	**3.354,03**	2975	**1.542,23**	3689	**1.911,26**		
18	1277			4482	**2.973,11**	5310	**3.501,40**	3150	**1.627,03**	3906	**1.995,09**		
19	1348			4731	**3.116,83**	5605	**3.648,77**	3325	**1.711,83**	4123	**2.078,91**		
20	1419			4980	**3.260,55**	5900	**3.796,15**	3500	**1.796,62**	4340	**2.162,74**		
21	1490			5229	**3.404,28**	6195	**3.943,52**	3675	**1.881,42**	4557	**2.246,57**		
22	1561			5478	**3.548,00**	6490	**4.090,89**	3850	**1.966,22**	4774	**2.330,40**		
23	1632			5727	**3.691,72**	6785	**4.238,26**	4025	**2.051,02**	4991	**2.414,22**		
24	1703			5976	**3.835,44**	7080	**4.385,64**	4200	**2.135,81**	5208	**2.498,05**		

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

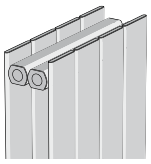
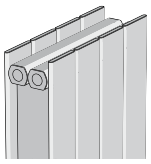
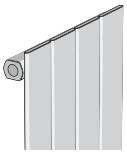
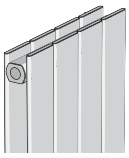
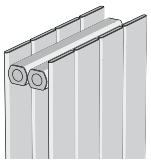
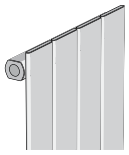
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	2400				2600						2800	
													
Model		**NVV240-4SR**		**NVLV240**		**NV260**		**NVV260**		**NVV260-4SR**		**NV280**	
Depth	mm	92		110		45		53		92		45	
Exponent	n	1,33		1,45		1,32		1,32		1,34		1,32	
Basic price	**€**	**395,26**		**886,92**		**105,27**		**168,14**		**402,45**		**108,71**	
Price/metre	**€**	**2.172,94**		**2.227,89**		**1.269,91**		**2.546,65**		**2.319,43**		**1.345,41**	
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	141	544	**701,64**			382	**284,33**	524	**527,22**	590	**729,49**	414	**298,41**
3	212	816	**855,92**	948	**1.359,23**	573	**374,49**	786	**708,03**	885	**894,17**	621	**393,94**
4	283	1088	**1.010,20**	1264	**1.517,41**	764	**464,65**	1048	**888,84**	1180	**1.058,85**	828	**489,46**
5	354	1360	**1.164,48**	1580	**1.675,59**	955	**554,82**	1310	**1.069,65**	1475	**1.223,53**	1035	**584,99**
6	425	1632	**1.318,76**	1896	**1.833,77**	1146	**644,98**	1572	**1.250,47**	1770	**1.388,21**	1242	**680,51**
7	496	1904	**1.473,04**	2212	**1.991,95**	1337	**735,15**	1834	**1.431,28**	2065	**1.552,89**	1449	**776,03**
8	567	2176	**1.627,32**	2528	**2.150,13**	1528	**825,31**	2096	**1.612,09**	2360	**1.717,57**	1656	**871,56**
9	638	2448	**1.781,60**	2844	**2.308,31**	1719	**915,47**	2358	**1.792,90**	2655	**1.882,25**	1863	**967,08**
10	709	2720	**1.935,87**	3160	**2.466,49**	1910	**1.005,64**	2620	**1.973,71**	2950	**2.046,93**	2070	**1.062,61**
11	780	2992	**2.090,15**	3476	**2.624,67**	2101	**1.095,80**	2882	**2.154,53**	3245	**2.211,61**	2277	**1.158,13**
12	851	3264	**2.244,43**	3792	**2.782,85**	2292	**1.185,96**	3144	**2.335,34**	3540	**2.376,28**	2484	**1.253,65**
13	922	3536	**2.398,71**	4108	**2.941,03**	2483	**1.276,13**	3406	**2.516,15**	3835	**2.540,96**	2691	**1.349,18**
14	993	3808	**2.552,99**	4424	**3.099,21**	2674	**1.366,29**	3668	**2.696,96**	4130	**2.705,64**	2898	**1.444,70**
15	1064	4080	**2.707,27**	4740	**3.257,39**	2865	**1.456,45**			4425	**2.870,32**	3105	**1.540,23**
16	1135	4352	**2.861,55**	5056	**3.415,58**	3056	**1.546,62**			4720	**3.035,00**	3312	**1.635,75**
17	1206	4624	**3.015,83**	5372	**3.573,76**	3247	**1.636,78**			5015	**3.199,68**	3519	**1.731,27**
18	1277	4896	**3.170,10**	5688	**3.731,94**	3438	**1.726,95**			5310	**3.364,36**	3726	**1.826,80**
19	1348	5168	**3.324,38**	6004	**3.890,12**	3629	**1.817,11**			5605	**3.529,04**	3933	**1.922,32**
20	1419	5440	**3.478,66**	6320	**4.048,30**	3820	**1.907,27**			5900	**3.693,72**	4140	**2.017,85**
21	1490	5712	**3.632,94**	6636	**4.206,48**	4011	**1.997,44**			6195	**3.858,40**	4347	**2.113,37**
22	1561	5984	**3.787,22**	6952	**4.364,66**	4202	**2.087,60**			6490	**4.023,08**	4554	**2.208,90**
23	1632	6256	**3.941,50**	7268	**4.522,84**	4393	**2.177,76**			6785	**4.187,76**	4761	**2.304,42**
24	1703	6528	**4.095,78**	7584	**4.681,02**	4584	**2.267,93**			7080	**4.352,44**	4968	**2.399,94**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

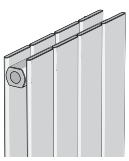
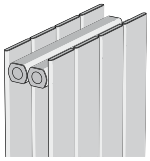
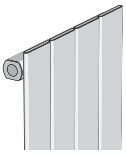
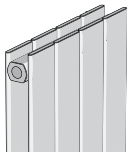
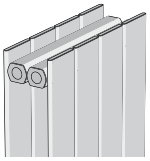
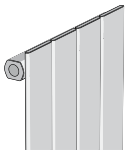
Surcharge for special colours, category 1 = 20%, category 2 = 30%

For side panels, see "Special versions", on page 37

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 Nova

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

Height	mm	2800				3000						3200	
													
Model		**NVV280**		**NVV280-4SR**		**NV300**		**NVV300**		**NVV300-4SR**		**NV320**	
Depth	mm	53		92		45		53		92		45	
Exponent	n	1,32		1,34		1,33		1,32		1,35		1,33	
Basic price	**€**	**175,45**		**409,59**		**112,13**		**182,82**		**416,81**		**115,52**	
Price/metre	**€**	**2.697,59**		**2.468,03**		**1.420,92**		**2.848,63**		**2.615,89**		**1.496,40**	
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	141	562	**555,81**	638	**757,58**	448	**312,48**	598	**584,48**	686	**785,65**	482	**326,51**
3	212	843	**747,34**	957	**932,81**	672	**413,37**	897	**786,73**	1029	**971,38**	723	**432,76**
4	283	1124	**938,87**	1276	**1.108,04**	896	**514,25**	1196	**988,98**	1372	**1.157,11**	964	**539,00**
5	354	1405	**1.130,40**	1595	**1.283,27**	1120	**615,14**	1495	**1.191,24**	1715	**1.342,84**	1205	**645,25**
6	425	1686	**1.321,93**	1914	**1.458,50**	1344	**716,02**	1794	**1.393,49**	2058	**1.528,56**	1446	**751,49**
7	496	1967	**1.513,45**	2233	**1.633,73**	1568	**816,91**	2093	**1.595,74**	2401	**1.714,29**	1687	**857,73**
8	567	2248	**1.704,98**	2552	**1.808,96**	1792	**917,79**	2392	**1.797,99**	2744	**1.900,02**	1928	**963,98**
9	638	2529	**1.896,51**	2871	**1.984,19**	2016	**1.018,68**	2691	**2.000,25**	3087	**2.085,75**	2169	**1.070,22**
10	709	2810	**2.088,04**	3190	**2.159,42**	2240	**1.119,56**	2990	**2.202,50**	3430	**2.271,48**	2410	**1.176,47**
11	780	3091	**2.279,57**	3509	**2.334,65**	2464	**1.220,45**	3289	**2.404,75**	3773	**2.457,20**	2651	**1.282,71**
12	851	3372	**2.471,10**	3828	**2.509,88**	2688	**1.321,33**	3588	**2.607,00**	4116	**2.642,93**	2892	**1.388,96**
13	922	3653	**2.662,63**	4147	**2.685,11**	2912	**1.422,22**	3887	**2.809,26**	4459	**2.828,66**	3133	**1.495,20**
14	993	3934	**2.854,16**	4466	**2.860,34**	3136	**1.523,10**	4186	**3.011,51**	4802	**3.014,39**	3374	**1.601,45**
15	1064			4785	**3.035,57**	3360	**1.623,99**			5145	**3.200,12**	3615	**1.707,69**
16	1135			5104	**3.210,80**	3584	**1.724,87**			5488	**3.385,85**	3856	**1.813,93**
17	1206			5423	**3.386,03**	3808	**1.825,76**			5831	**3.571,57**	4097	**1.920,18**
18	1277			5742	**3.561,26**	4032	**1.926,64**			6174	**3.757,30**	4338	**2.026,42**
19	1348			6061	**3.736,49**	4256	**2.027,53**			6517	**3.943,03**	4579	**2.132,67**
20	1419			6380	**3.911,72**	4480	**2.128,42**			6860	**4.128,76**	4820	**2.238,91**
21	1490			6699	**4.086,95**	4704	**2.229,30**			7203	**4.314,49**	5061	**2.345,16**
22	1561			7018	**4.262,18**	4928	**2.330,19**			7546	**4.500,21**	5302	**2.451,40**
23	1632			7337	**4.437,41**	5152	**2.431,07**			7889	**4.685,94**	5543	**2.557,64**
24	1703			7656	**4.612,65**	5376	**2.531,96**			8232	**4.871,67**	5784	**2.663,89**

Surcharge for Completto, valve at top, connections V013/V014 €: **181,73**

Surcharge for "Breakthrough", valve at top, connections V513/V514 €: **221,19**

Warning: Weight over 100 kg

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

For side panels, see "Special versions", on page 37

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 Nova

	Price €
Intermediate lengths and smaller lengths for horizontal models, charged for by the next largest catalogue length, minimum length 400 mm	**+ 10% surcharge**
Intermediate heights and smaller heights for horizontal models, charged for by the next largest catalogue height, minimum height 400 mm	**+ 10% surcharge**
Galvanised version (depending on the model, as Zehnder Nova with 4 mm gap; this can cause the height or length to deviate slightly from the standard). Not possible for Zehnder Nova Completto, Zehnder Nova "Breakthrough" and models NHH, NVV and NVV-4SR, max. size 1000 x 2000 mm. See keyword list "Galvanising"	**On request**
Angled, curved see next page	**On request**
High-pressure version max. 10 bar	**+ 12% surcharge**
Additional connections	**On request**
Immersion tube for horizontal models with connection type 3570/5310 and 2670/6210	**93,02**

Side covers for Zehnder Nova Vertical
surcharge per radiator ex works:

Models	
NV, NVV	**112,44**
NVV-4SR	**170,66**

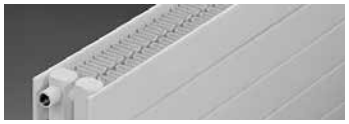
For retrofitting:

Version (price per radiator):

Model	Depth	Article number [1]	**RAL 9016**	**Colour**
NVV	34 mm	128161	**248,32**	**309,91**
NVV-4SR	73 mm	128111	**248,32**	**309,91**
NVLV	91 mm	128171	**248,32**	**309,91**

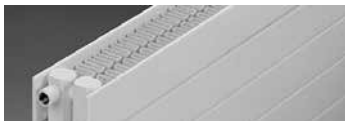
The side covers are included in the scope of delivery for the Completto and "Breakthrough" versions and for models with fins

Grille
welded in place at factory, price per metre of radiator



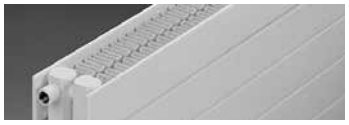

Models	
NHL	**37,93**
NHLH	**37,93**
NHLLH	**44,24**
NHLLHL	**75,84**

Cover strip
mounted at factory, for models NHL, NHLH, NHLLH, price per metre of radiator plus basic price of each radiator




Models	
NHL	**116,63**
NHLH	**116,63**
NHLLH	**116,63**
NHLLHL	**116,63**
Basic price	**174,96**

Cover strip
for retrofitting

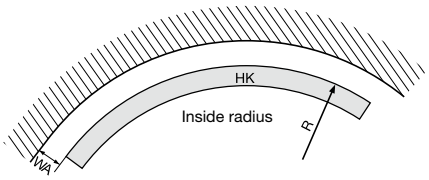
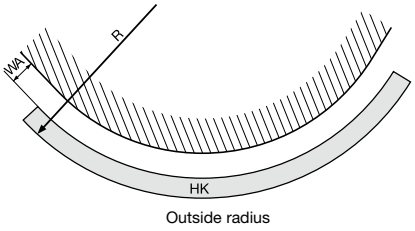


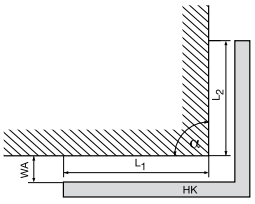
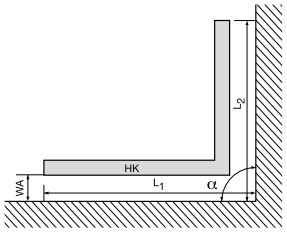
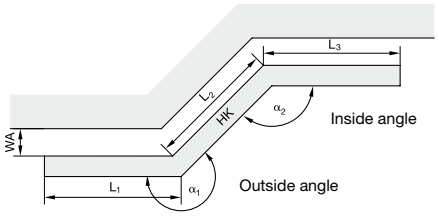

Models	Article number [1]	**RAL 9016**	**Colour**
NHL	128131	**114,85**	**172,26**
NHLH	128121	**114,85**	**172,26**
NHLLH	128141	**114,85**	**172,26**
NHLLHL	128151	**114,85**	**172,26**
Basic price		**172,26**	**258,42**

Valve position at special height for Zehnder Nova vertical, Completto, or "Breakthrough", free choice of height, but min. 118 mm from top or bottom edge of the radiator	**228,64**

[1] For subsequent ordering, the article no. of the special finish is produced by replacing the end digit 1 with the end digit 9.

Zehnder Nova

Curved version (only horizontal models)		
Version	**Sketch/template**	**Prices €**
Inside radius Possible models: NH Minimum outside radius: 1500 mm (NHL only possible to a limited extent, please ask)		**On request**
Outside radius Possible models: NH Minimum outside radius: 800 mm (NHL only possible to a limited extent, please ask)		**On request**

Angled version		
Version	**Sketch/template**	**Prices €**
Special version angled, available from 90° to 179°. Ensure that all necessary data are indicated.		**On request**
		**On request**
		**On request**

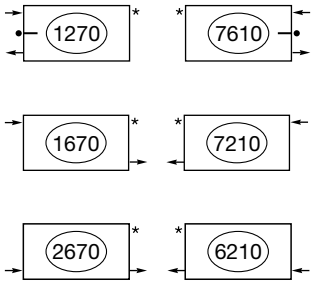
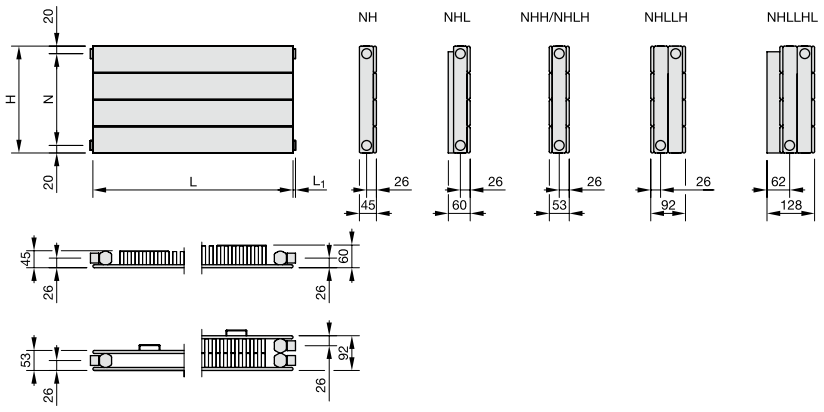
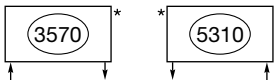
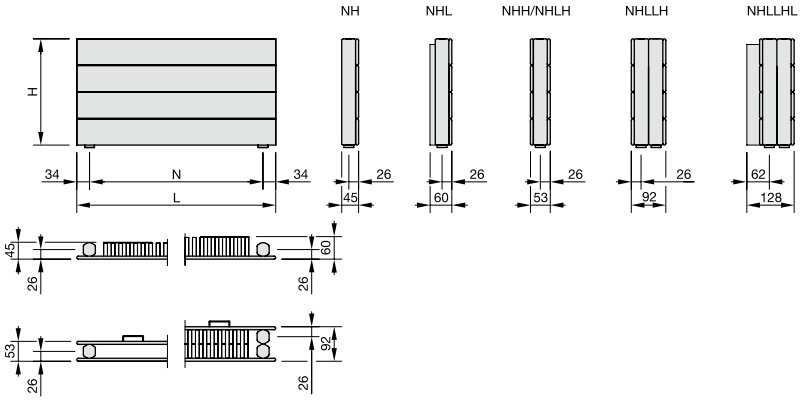
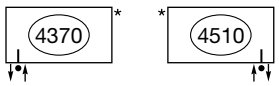
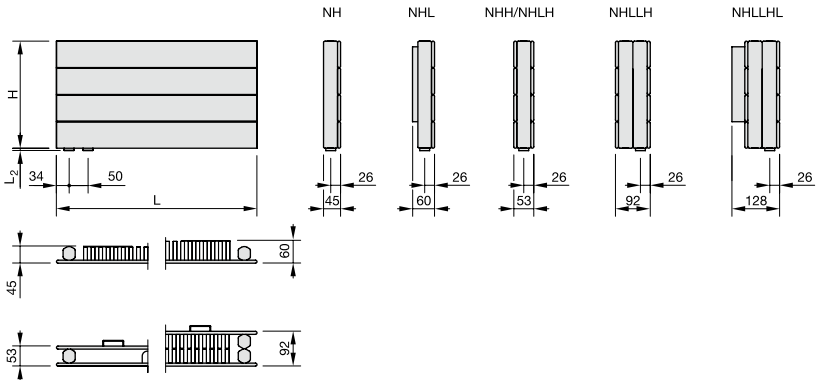
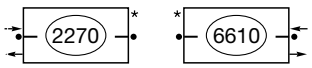
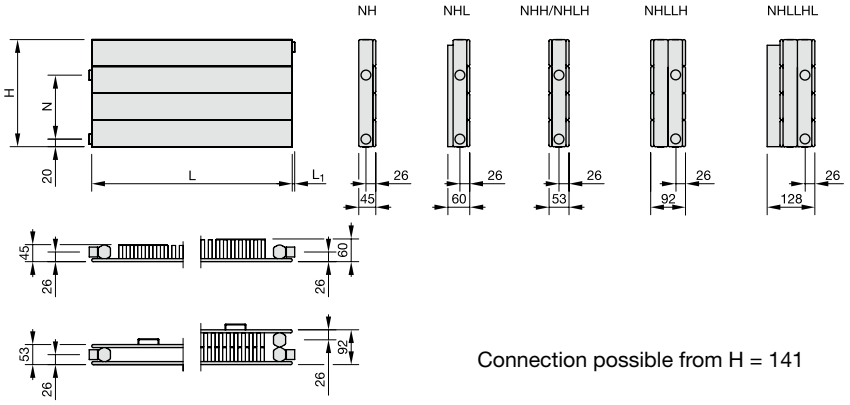
When placing an order for curved and angled radiators, please enclose sketch or template.

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

Dimensions in mm

Zehnder Nova

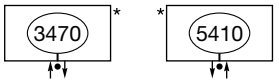
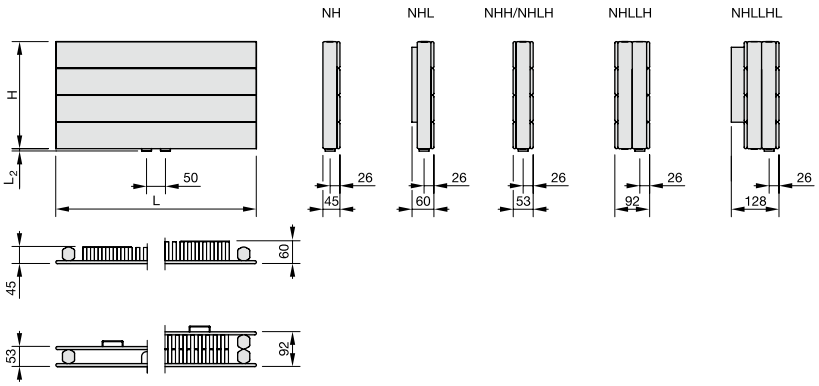
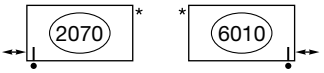
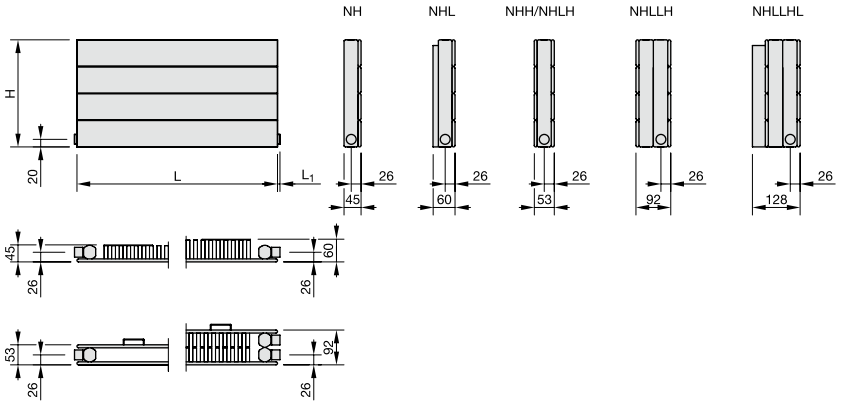
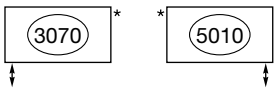
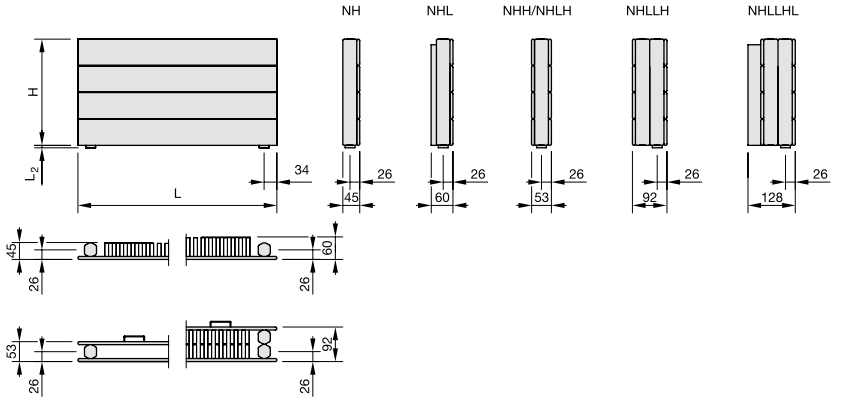
Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
same-side or opposite end 	**No additional charge**	 Connection type 1270/7610 possible from H = 141
from bottom to bottom 	**62,11**	
from bottom to bottom, at side 50 mm  Please note: For Completto, see p. 41	**166,92**	
Retrofit model, connection on the side 	**65,80**	 Connection possible from H = 141

For the Zehnder Nova horizontal the desired connection type must always be indicated.
The flow is always on the front for models with 4 collector tubes.

Zehnder Nova

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, central 50 mm 	**166,92**	
Please note: For Completto, see p. 41		Connection possible from H = 141 mm. The lowermost parallel pipes are implemented without fins (depending on the model, this results in slightly reduced output)
Connection 1-tube with external valve - See note on single-pipe system in the keyword list		
for horizontal baffle plate [1] 	**31,08**	
for vertical baffle plate [1] 	**31,08**	

For the Zehnder Nova horizontal the desired connection type must always be indicated.

H = Height
L = Length
N = Boss spacing
T = Depth
L_1 = Connection length (side connection)
L_2 = Connection length (horizontal connection)
* = Venting
Δ = Draining
• = Internal installations

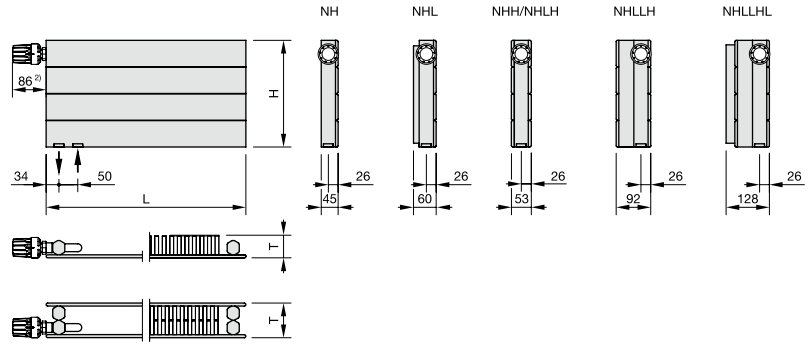
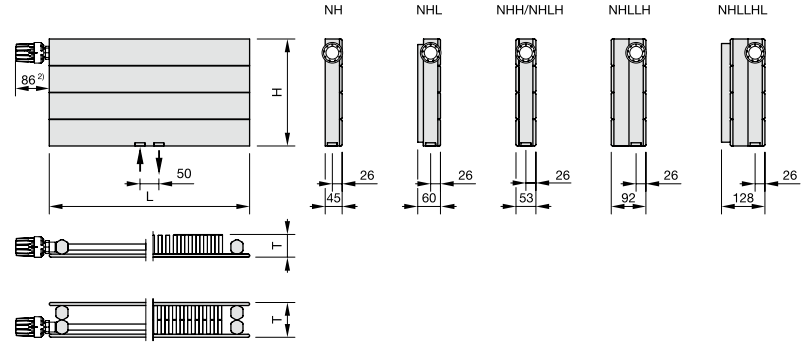
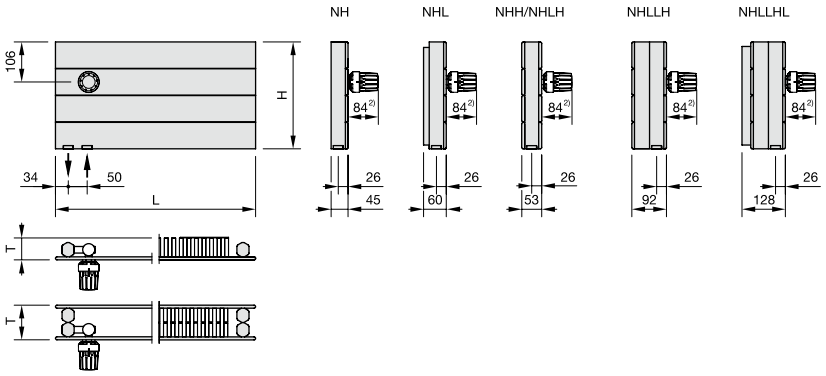
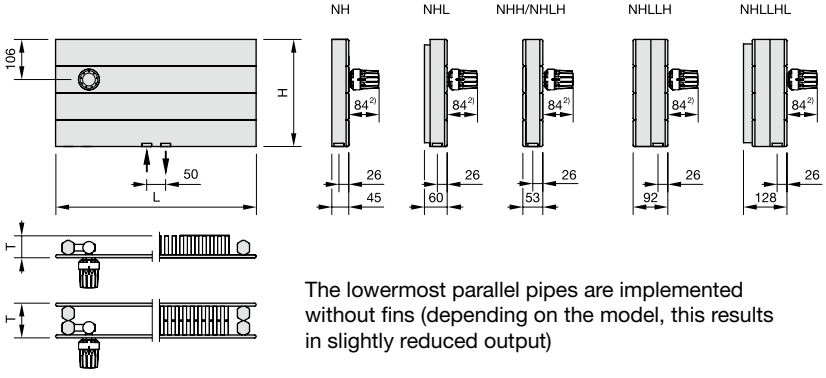
Dimensions in mm

Connection size Ø	¼"	⅜"	½"	¾"
L_1 (mm)	6	6	6	7,5
L_2 (mm)	0	0	0	24

[1] Specify valve unit when placing order
[2] Only valid for Zehnder thermostat “LH2”
[3] Other variants with integrated valve, e.g. with central connections, on request.

Zehnder Nova

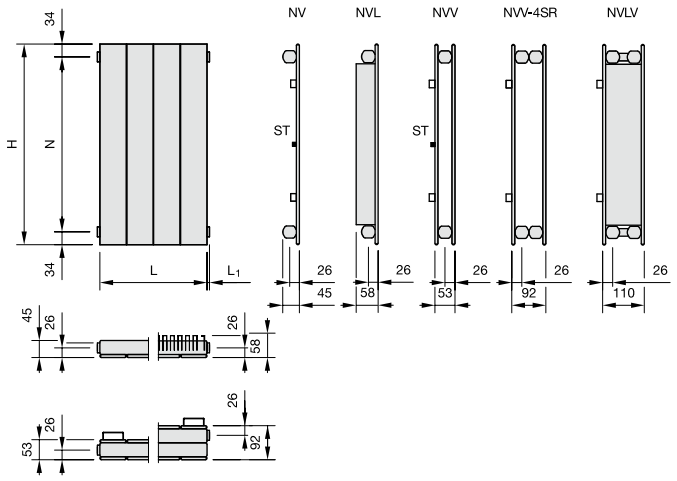
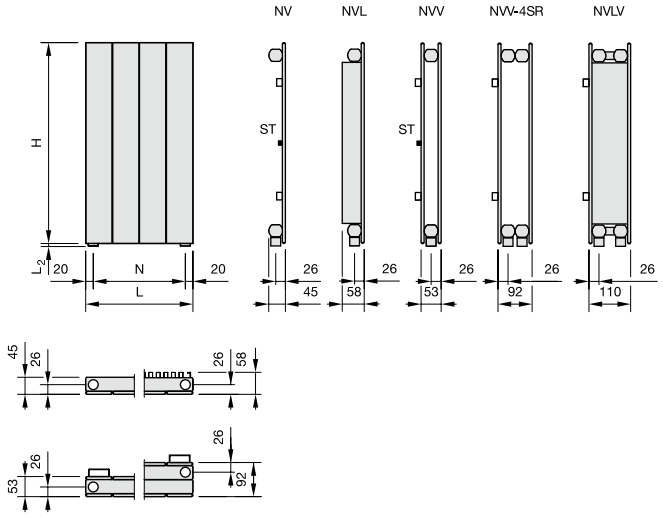
Horizontal models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Completto connection with integrated valve[3] (max. recommended flow rate 250 kg/h)		
50 mm connection on side V013 * V014 *	**181,73**	 Connection possible from H = 141
Central connection, 50 mm V007 * V008 *	**341,53**	 For model NHL, the depth is 45 mm up to H = 283 Connection possible from H = 141 mm. The lowermost parallel pipes are implemented without fins (depending on the model, this results in slightly reduced output)
Connection with valve integrated for cut-out in front panel "Breakthrough"[3] (Ø 45 mm, max. flow rate 250 kg/h)		
50 mm connection on side V513 V514	**221,19**	 Connection possible from H = 212
Central connection, 50 mm V507 V508	**374,67**	 The lowermost parallel pipes are implemented without fins (depending on the model, this results in slightly reduced output)

For the Zehnder Nova horizontal the desired connection type must always be indicated.

Zehnder Nova

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
same-side or opposite end S001 1270 * 7610 * 1670 * 7210 *	**No additional charge**	
2670 * 6210 *	**28,43**	
1706 Δ • 7102 Δ •	**56,81**	
from bottom to bottom 3570 * 5310 *	**90,50**	

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.
The flow is always on the front for models with 4 collectors.

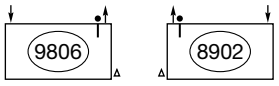
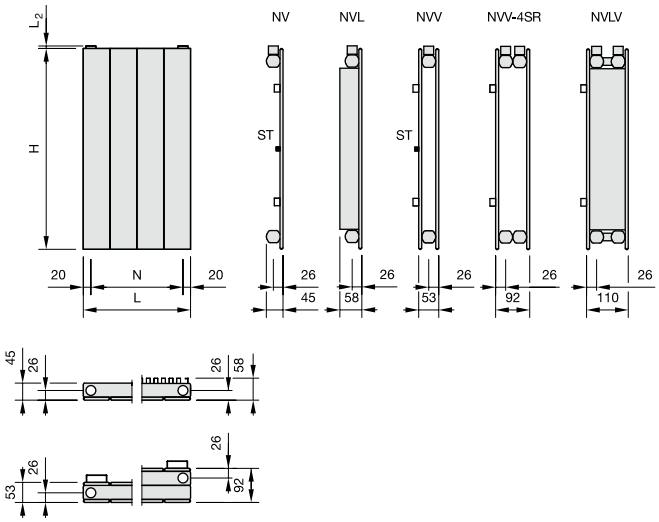
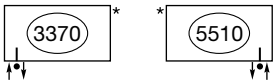
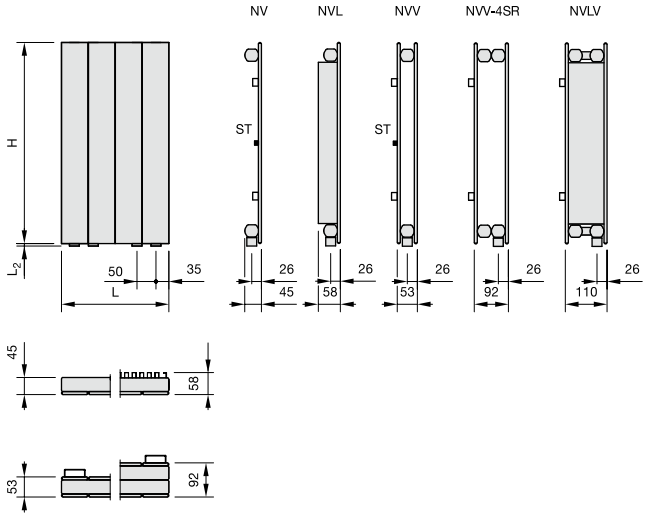
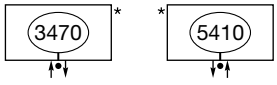
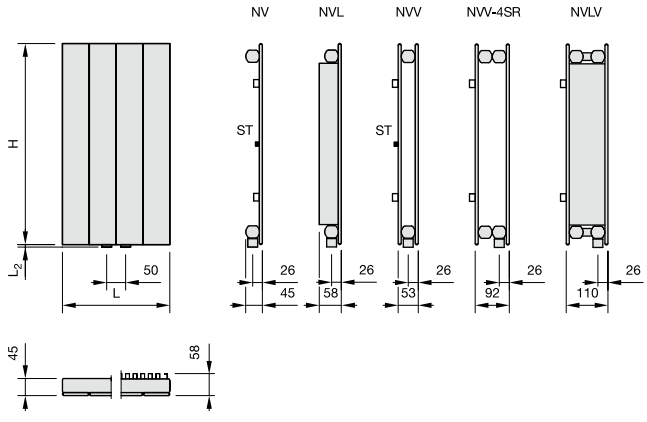
H = Height
L = Length
N = Boss spacing
ST = Brace
L_1 = Connection length (side connection)
L_2 = Connection length (bottom connection)
* = Venting
Δ = Draining
• = Internal installations

Dimensions in mm

Connection size Ø	¼"	⅜"	½"	¾"
L_1 (mm)	6	6	6	7,5
L_2 (mm)	0	0	0	24

Zehnder Nova

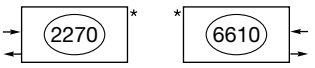
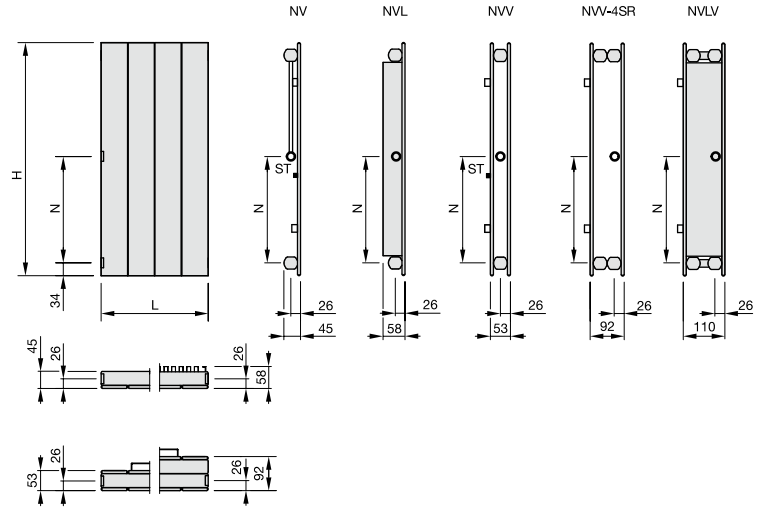
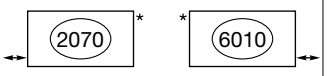
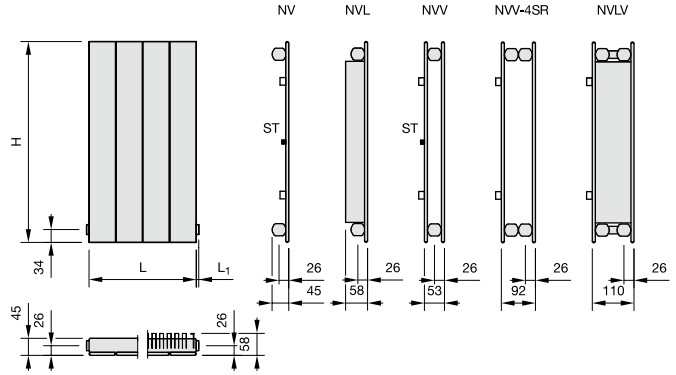
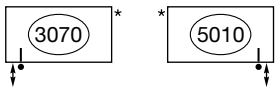
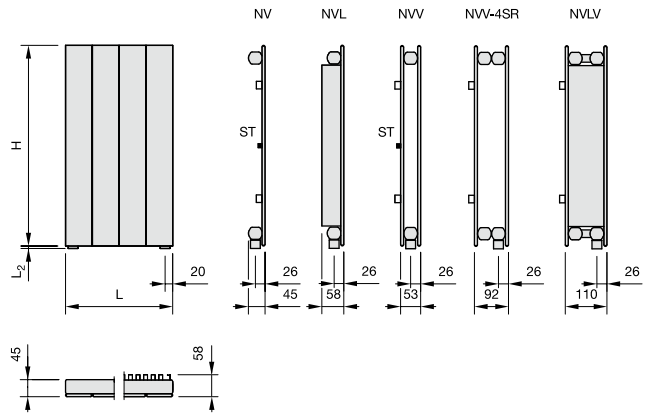
Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
from top to top 	**118,93**	
from bottom to bottom, at side 50 mm  Please note: For Completto, see p. 45	**90,50**	
from bottom to bottom, central 50 mm  Please note: For Completto, see p. 45	**184,69**	 Possible as of 2 elements

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.
The flow is always on the front for models with 4 collectors, the return always facing the wall.

Zehnder Nova

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection 2-tube with external valve		
for retrofitting, lateral connecion upon request 	**100,88**	 Possible as of 3 elements, $N_{max.}$ = H - 134 mm
Connection 1-tube with external valve - See note on single-pipe system in the keyword list		
for horizontal baffle plate [1] 	**No additional charge**	
for vertical baffle plate [1] 	**31,08**	

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
ST = Brace
L_1 = Connection length (side connection)
L_2 = Connection length (bottom connection)
* = Venting
• = Internal installations

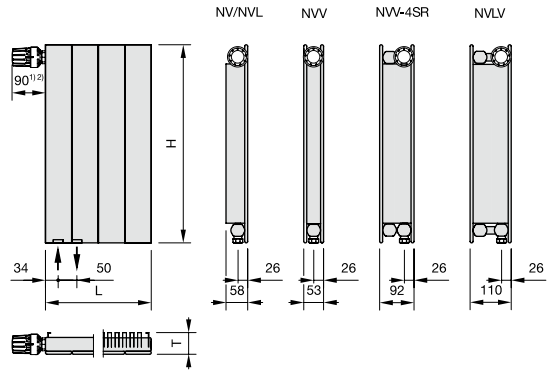
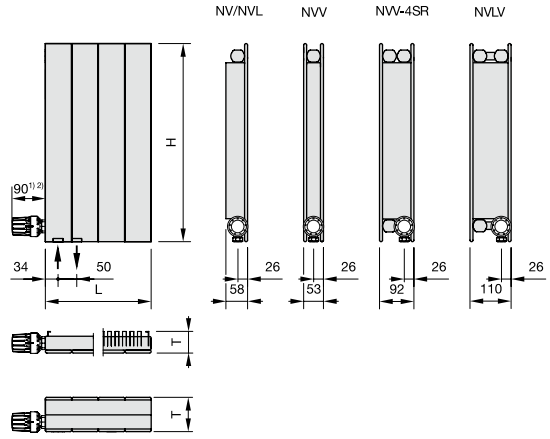
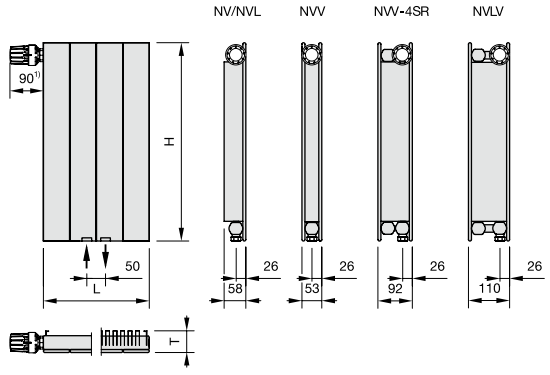
Connection size Ø	¼"	⅜"	½"	¾"
L_1 (mm)	6	6	6	7,5
L_2 (mm)	0	0	0	24

[1] Specify valve unit when placing order

Dimensions in mm

Zehnder Nova

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Completto connection with integrated valve[3] (max. recommended flow rate 250 kg/h)		
50 mm connection on side V001 * V002 *	**181,73**	 Illustration: Connection on left
V033 * V060 *	**181,73**	 Illustration: Connection on left
central connection, 50 mm V007 * V008 *	**341,53**	 Illustration: Connection central

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.

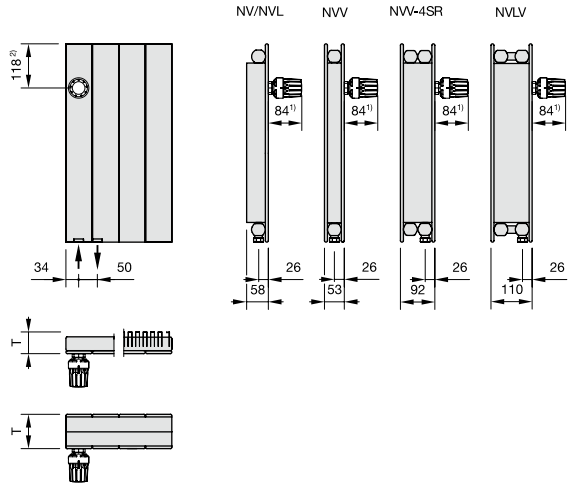
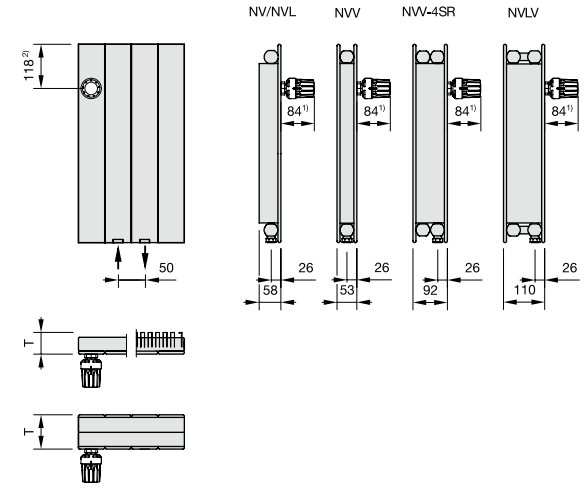
H = Height
L = Length
N = Boss spacing
T = Depth
* = Venting
• = Internal installations

1) Dimension valid for Zehnder thermostat LH2
2) The valve can be integrated at any height (surcharge, see page 37), minimum dimension from top or bottom edge 118 mm.
3) Other variants with integrated valve available on request, possible as of 2 elements.

Dimensions in mm

Zehnder Nova

Vertical models

Connection type	Price €	Dimensional drawings: Front view, side view and top view (bottom)
Connection with valve integrated for cut-out in front panel "Breakthrough"[3] (Ø 45 mm, max. flow rate, see above)		
50 mm connection on side V501 * * V502	**221,19**	 Illustration: Connection on left
central connection, 50 mm V507 V508	**374,67**	 Illustration: Connection central

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.

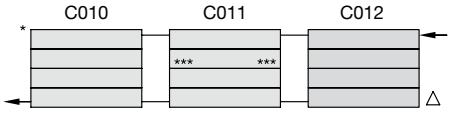
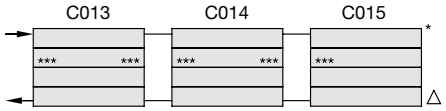
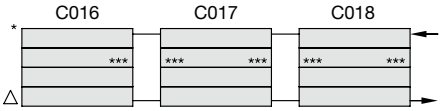
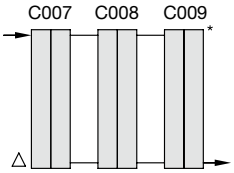
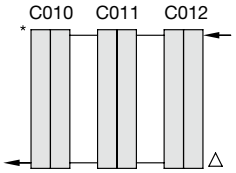
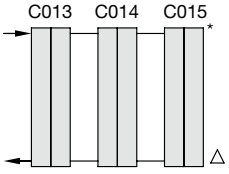
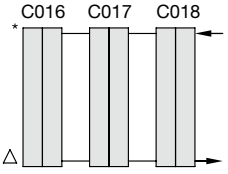
H = Height
L = Length
N = Boss spacing
T = Depth
* = Venting
• = Internal installations

Dimensions in mm

1) Dimension valid for Zehnder thermostat LH2
2) The valve can be integrated at any height (surcharge, see page 37), minimum dimension from top or bottom edge 118 mm.
3) Other variants with integrated valve, e.g. with central connections, on request.

Zehnder Nova

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 141 - 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 141 - 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 141 - 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 141 - 1680 mm Zeta value 5 x 1,8 = 9 (100% water quantity)		

* Ventilation, △ Draining, *** Baffle

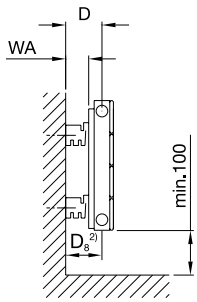
Zehnder Nova can be installed in series according to the sketches shown above. The radiators are delivered individually. The connections are to be installed on site. Not more than 3 radiators of 6000 mm in length each should be installed in series. Recommended dimension of the on-site connection ¾".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

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

Horizontal construction	20%
Vertical construction	17%

Zehnder Nova

Recommended for installation situations with normal or increased requirements (VDI 6036 Classes 1 and 2).[1]

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							
Set CVD		**Type NH**					
		Height 70 - 141 mm					
incl. retaining spring		L = 500-3500 L = 3600-6000	25	3 x CVD 2 4 x CVD 2	795321 795421	**19,53** **25,27**	**34,19** **44,82**
		Height 212 - 1703 mm					
		L = 500-1500 L = 1600-3500 L = 3600-6000	25	4 x CVD 2 6 x CVD 2 8 x CVD 2	795421 795621 795821	**25,27** **36,82** **48,35**	**44,82** **66,11** **87,40**
		Type NHH, NHLH, NHLLH					
		Height 70 - 141 mm					
		L = 500-3500 L = 3600-6000	27	3 x CVD 0 4 x CVD 0	795301 795401	**10,18** **12,77**	**25,41** **33,14**
		Height 212 - 1703 mm					
		L = 500-1500 L = 1600-3500 L = 3600-6000	27	4 x CVD 0 6 x CVD 0 8 x CVD 0	795401 795601 795801	**12,77** **18,12** **23,37**	**33,14** **48,56** **64,01**
		Type NHL with H ≤ 280 mm					
		Height 70 - 141 mm					
		L = 500-1500 L = 1600-3500 L = 3600-6000	25	3 x CVD 1 3 x CVD 1 4 x CVD 1	795311 795311 795411	**10,18** **10,18** **12,77**	**25,41** **25,41** **33,14**
		Height 212 - 283 mm					
		L = 500-1500 L = 1600-3500 L = 3600-6000	25	4 x CVD 1 6 x CVD 1 8 x CVD 1	795411 795611 795811	**12,77** **18,12** **23,37**	**33,14** **48,56** **64,01**
		Type NHL with H ≥ 350 mm, NHLLHL					
		Height 70 and 141 mm					
		L = 500-3500 L = 3600-6000	11	3 x CVD 0 [5] 4 x CVD 0	795301 795401	**10,18** **12,77**	**25,41** **33,14**
		Height 212 - 851 mm					
		L = 500-1500 L = 1600-3500 L = 3600-6000	NHL: 9 NHLLHL: 11	4 x CVD 0 6 x CVD 0 8 x CVD 0	795401 795601 795801	**12,77** **18,12** **23,37**	**33,14** **48,56** **64,01**

Distance D:

NH	44 mm
NHL	44 mm
NHH	54 mm
NHLH	54 mm
NHLLH [3]	94/54 mm
NHLLHL [3]	113/73 mm

Distance D_8 [2]:

NHLLH [3]	94/94 mm
NHLLHL [3]	103/103 mm

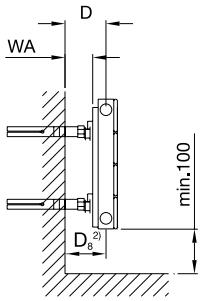
H = Height
L = Length
D/D_8 = Distance from wall to middle of connection
WA = Distance from wall to back of radiator

Dimensions in mm

[1] Notes on load requirements, safety and installation conditions in the keyword list.
[2] For models with integrated valve (Completto/“Breakthrough”), in case D differing.
[3] The connection dimension for VL/RL must be indicated for models with 2 header tubes behind each other.
[4] The article no. of the set in colour is produced by replacing the end digit 1 by the end digit 9.
[5] For height 70 mm to L = 1500: 2 x CVD.

Zehnder Nova

Recommended for installation situations with normal or increased requirements (VDI 6036 Classes 1 and 2).[1]

Illustration	Sketch Side view	Model				
		Application	Wall clearance WA mm	Brackets in set	Article no. set	**Price/set €**
Fixing details for accessory sets BKE						
Set BKE[4] 		**Type NH, NHH, NHLH, NHLLH**				
		Height 70 - 141 mm				
		L = 500-3500 L = 3600-6000	NH: 21 others: 58	3 x BKE 160 4 x BKE 160	766332 766432	**14,95** **19,94**
		Height 212 - 1703 mm				
		L = 500-1500 L = 1600-3500 L = 3600-6000	NH: 21 others: 58	4 x BKE 160 6 x BKE 160 8 x BKE 160	766432 766632 766832	**19,94** **29,92** **39,89**
		Type NHL, NHLLHL				
		Height 70 - 141 mm				
		L = 500-1500 L = 1600-3500 L = 3600-6000	42	2 x BKE 160 3 x BKE 160 4 x BKE 160	766232 766332 766432	**9,99** **14,95** **19,94**
		Height 212 - 1703 mm				
		L = 500-1500 L = 1600-3500 L = 3600-6000	42	4 x BKE 160 6 x BKE 160 8 x BKE 160	766432 766632 766832	**19,94** **29,92** **39,89**

Distance D[2]:

NH	40 mm
NHL ≤ 280 mm	61 mm
NHL ≥ 350 mm	75 mm
NHH, NHLH	85 mm
NHLLH[2]	124/84 mm
NHLLHL[2]	145/105 mm

Distance D_8:

NHLLH[3]	124/124 mm
NHLLHL[3]	145/145 mm

[1] Notes on load requirements, safety and installation conditions in the keyword list.
[2] Dimension D_8 applies to models with integrated valve (Completto/“Breakthrough”), in case D differing.
[3] The connection dimension for VL/RL must be indicated for models with 2 header tubes behind each other.
[4] Average distances are given for D and WA for set BKE, as bracket installation depth is variable. An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.

H = Height
L = Length
D/D_8 = Distance from wall to middle of connection
WA = Distance from wall to back of radiator

Dimensions in mm

Zehnder Nova

Recommended for installation situations with normal or increased requirements (VDI 6036 Classes 1 and 2).[1)]

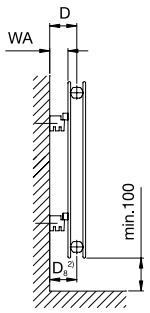
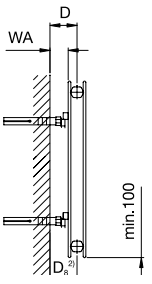
Illustration	Description	Model			
		Application	Amount + type of brackets	Article no. Piece	**Price/piece €**
For other fixing options using accessories, see page 70 onwards.					
Wall bracket AK [2)] 	For adjustable wall clearance, short and long version possible, standard: Short, RAL 9016 For details, see “Accessories”	**Type NH, NHH, NHLH, NHLLH**			
		Height 70 mm			
		L = 500-3500 L = 3600-6000	3 x AK 1 4 x AK 1	796011	**13,70**
		Height 141 mm			
		L = 500-1500 L = 1600-3500 L = 3600-6000	3 x AK 1 4 x AK 1 8 x AK 1	796011	**13,70**
		Height 212 - 1703 mm			
		L = 500-1500 L = 1600-3500 L = 3600-6000	4 x AK 1 6 x AK 1 8 x AK 1	796011	**13,70**
		Type NHL, NHLLHL			
		Height 70 - 141 mm			
		L = 500-3500 L = 3600-6000	3 x AK 1[3)] 4 x AK 1	796011	**13,70**
		Height 212 - 851 mm			
		L = 500-1500 L = 1600-3500 L = 3600-6000	4 x AK 1 6 x AK 1 8 x AK 1	796011	**13,70**
Floor bracket STF [4)] 	For mounting on unfinished or finished floor, different lengths possible, standard: RAL 9016 For details, see “Accessories”	**All types and models up to max. construction height of 600 mm**			
		L = 500-1500 L = 1600-3500 L = 3600-6000	2 x STF 1 3 x STF 1 4 x STF 1	by size	**61,78 / 66,99**
Welded floor support [4)] 	For mounting on unfinished floors, in colour of the radiator, heights[5)]: 120 - 170 mm 150 - 200 mm 200 - 250 mm For details on the cover see page 72	**All types and models**			
		L = 500-1500 L = 1600-3500 L = 3600-6000	2 x bracket 3 x bracket 4 x bracket	-	**120,48**

[1)] Notes on load requirements, safety and installation conditions in the keyword list.
[2)] An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.
[3)] For height 70 mm to L = 1500: 2 x AK1.
[4)] 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).
[5)] Height of welded floor support: Bottom edge of radiator up to bottom edge of footplate.

L = Length of radiator in mm

Zehnder Nova

Recommended for installation situations with normal or increased requirements (VDI 6036 Classes 1 and 2).[1]

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		**Type NV[5]**					
		Length 70 - 141 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	25	2 x CVD 2 3 x CVD 2 4 x CVD 2	795221 795321 795421	**13,71** **19,53** **25,27**	**23,43** **34,19** **44,82**
		Length 212 - 1703 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	25	4 x CVD 2 6 x CVD 2 8 x CVD 2	795421 795621 795821	**25,27** **36,82** **48,35**	**44,82** **66,11** **87,40**
		Type NVV, NVV-4SR, NVLV					
	Distance D[3]: NV 44 mm NVL 44 mm NVV 54 mm NVV-4SR 2) 94/54 mm NVLV[2] 112/54 mm	Length 70 - 141 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	27	2 x CVD 0 3 x CVD 0 4 x CVD 0	795201 795301 795401	**7,48** **10,18** **12,77**	**17,61** **25,41** **33,14**
incl. retaining spring		Length 212 - 1703 mm					
	Distance D_8[3]: NVV-4SR 2) 94/94 mm NVLV[2] 112/112 mm	H = 600-1500 H = 1600-3500 H = 3600-6000	27	4 x CVD 0 6 x CVD 0 8 x CVD 0	795401 795601 795801	**12,77** **18,12** **23,37**	**33,14** **48,56** **64,01**
		Type NVL – all models					
		All models	11	4 x CVD 0	795401	**12,77**	**33,14**
Set BKE[6]		**Type NV**					
		Length 70 - 141 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	21	2 x BKE 160 3 x BKE 160 4 x BKE 160	766232 766332 766432	**9,99** **14,95** **19,94**	- - -
		Length 212 - 1703 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	21	4 x BKE 160 6 x BKE 160 8 x BKE 160	766432 766632 766832	**19,94** **29,92** **39,89**	- - -
		Type NVV, NVV-4SR, NVLV					
	Distance D[3]: NV 40 mm NVL 75 mm NVV 85 mm NVV-4SR 2) 124/84 mm NVLV[2] 112/54 mm	Length 70 - 141 mm					
		H = 600-1500 H = 1600-3500 H = 3600-6000	58	2 x BKE 160 3 x BKE 160 4 x BKE 160	766232 766332 766432	**9,99** **14,95** **19,94**	- - -
		Length 212 - 1703 mm					
	Distance D_8[3]: NVV-4SR 2) 124/124 mm NVLV[2] 112/112 mm	H = 600-1500 H = 1600-3500 H = 3600-6000	58	4 x BKE 160 6 x BKE 160 8 x BKE 160	766432 766632 766832	**19,94** **29,92** **39,89**	- - -
		Type NVL – all models					
		All models	43	4 x BKE 160	766432	**19,94**	-

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

H = Height of radiator in mm

[2] The connection dimension for VL/RL must be indicated for models with 2 header tubes behind each other.

[3] Dimension D_8 applies to models with integrated valve (Completto/"Breakthrough"), in case D differing.

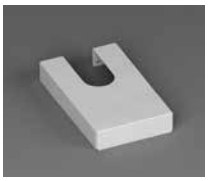
[4] The article no. of the set in colour is produced by replacing the end digit 1 by the end digit 9.

[5] Model NV in special solution with side covers is supplied with brackets CVD 0.

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

Zehnder Nova

Recommended for installation situations with normal or increased requirements (VDI 6036 Classes 1 and 2).[1)]

Illustration	Description	Model			
		Application	Amount + type of brackets	Article no. Piece	**Price/piece €**
For other fixing options using accessories, see page 70 onwards.					
Wall bracket AK [3)] 	For adjustable wall clearance, short and long version possible, standard: short, RAL 9016 For details, see “Accessories”	**Type NV, NVV, NVLV**			
		Length 70 - 141 mm			
		H = 600-1500 H = 1600-3500 H = 3600-4600	2 x AK 1 3 x AK 1 4 x AK 1	796011	**13,70**
		Length 212 - 1703 mm			
		H = 600-1500 H = 1600-3500 H = 3600-4600	4 x AK 1 6 x AK 1 8 x AK 1	796011	**13,70**
		Type NVL			
		All lengths			
		H = 600-2400	4 x AK 1	796011	**13,70**
Welded floor support [4)] 	For mounting on unfinished floors, in colour of the radiator, heights [2)]: 120 - 170 mm 150 - 200 mm 200 - 250 mm	**All models up to max. construction height of 600 mm**			
		L = 283-1206 L = 1277-1703	2 x footplate 3 x footplate	-	**120,48**
Cover 	For welded floor support (dimension 123 x 73 x 20 mm made of steel, painted)	White Special finish		753141 753149	**25,82** **38,79**

[1)] Notes on load requirements, safety and installation conditions in the keyword list.
[2)] Height of welded floor support: Bottom edge of radiator up to bottom edge of footplate.
[3)] An on-site locking device may be required depending on the installation and connection situation, and net weight of the radiator.
[4)] 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).

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

Zehnder Nova

Pressure loss

Pressure loss determination ΔP
The pressure loss of a Zehnder Nova is determined using the following formula:

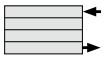
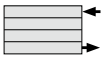
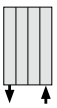
$$\triangle P = q_m^{1,9125} \cdot C$$

ΔP = Pressure loss in Pa
q_m = Water flow in kg/h
C = Pressure loss constant

The pressure loss constant C is to be read from the table below, depending on the type, height and connection type.

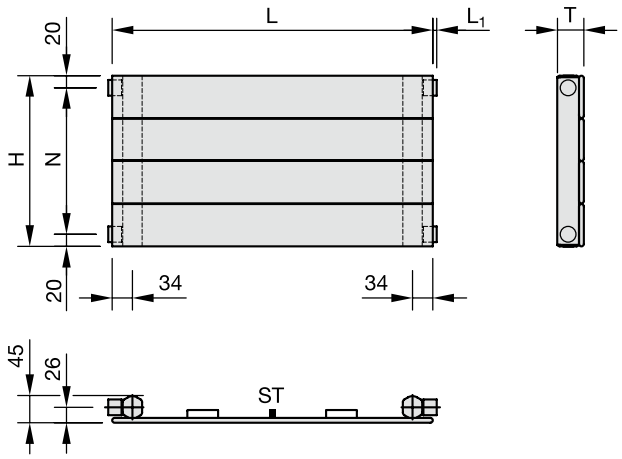
Example: Model NH 70, length 1000 mm
Same-end connection,
q_{ms} = 63,0 kg/h
Pressure loss constant C = 0,2993
Result: $\Delta P = 63{,}00^{1,9125} \cdot 0{,}2993$
ΔP = 827 Pa

Pressure loss constant C

	 NH, NHL	 NHH, NHLLH, NHLH, NHLLHL	 NH, NHL	 NHH, NHLLH, NHLLHL, NHLH	 NH, NHL	 NHH, NHLLH, NHLLHL, NHLH
Height mm	**Factor C**					
70 141 212	0,0748	0,0199	-	0,0397	0,0199	0,0397
283 354 425	0,2244	0,0596	0,1496		0,0596	
496 567 638 709 780 851			0,2993	0,0795		0,0795
922 993 1064 1135 1206	0,3741	0,0994			0,0994	
1277 1348 1419 1490 1561 1632 1703	0,5237	01391	0,4489	0,1192	0,1391	0,1192
	 NV, NVL	 NVV, NVV-4SR, NVLV	 NV, NVL	 NVV, NVV-4SR	 NV, NVL	 NVV, NVV-4SR NVLV
Height mm	**Factor C**					
600 to 4600	0,0073	0,0073	0,0073	0,0073	0,1496	0,0397

Zehnder Nova

Model NH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
ST = Stabilising brace
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

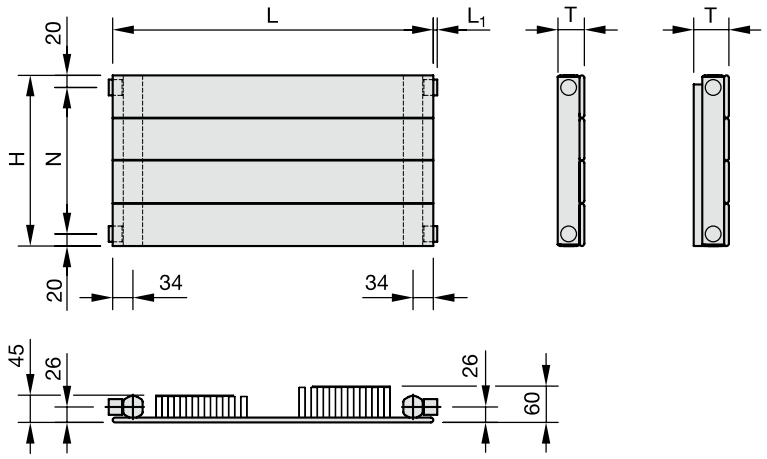
Dimensions in mm

Technical specifications for length 1000 mm

Model	H	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
NH07	70	30	45	0,18	0,4	2,3	38	9,0	1,22	105	85	56
NH14	141	101	45	0,36	0,9	4,3	36	16,0	1,23	182	148	96
NH21	212	172	45	0,53	1,3	6,2	36	22,0	1,23	254	206	135
NH28	283	243	45	0,70	1,8	8,2	36	28,0	1,24	323	262	170
NH35	354	314	45	0,87	2,2	10,1	35	34,0	1,24	391	317	206
NH42	425	385	45	1,04	2,7	12,1	35	39,0	1,25	459	371	241
NH49	496	456	45	1,21	3,1	14,0	35	45,0	1,25	527	426	276
NH56	567	527	45	1,37	3,5	16,0	35	51,0	1,26	596	481	311
NH63	638	598	45	1,54	4,0	17,9	34	57,0	1,26	665	537	347
NH70	709	669	45	1,71	4,4	19,8	34	63,0	1,27	736	593	382
NH77	780	740	45	1,88	4,9	21,8	34	70,0	1,27	808	651	419
NH84	851	811	45	2,05	5,3	23,7	34	76,0	1,28	882	710	455
NH91	922	882	45	2,22	5,8	25,7	34	82,0	1,28	957	770	494
NH98	993	953	45	2,39	6,2	27,6	34	88,0	1,28	1024	824	528
NH105	1064	1024	45	2,56	6,7	29,5	34	94,0	1,28	1089	877	562
NH112	1135	1095	45	2,73	7,1	31,5	34	99,0	1,28	1153	928	595
NH119	1206	1166	45	2,89	7,5	33,4	34	105,0	1,28	1218	980	629
NH126	1277	1237	45	3,06	8,0	35,4	34	110,0	1,28	1282	1032	662
NH133	1348	1308	45	3,23	8,4	37,3	34	116,0	1,29	1347	1082	692
NH140	1419	1379	45	3,40	8,9	39,2	34	122,0	1,29	1411	1134	724

Zehnder Nova

Model NHL horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

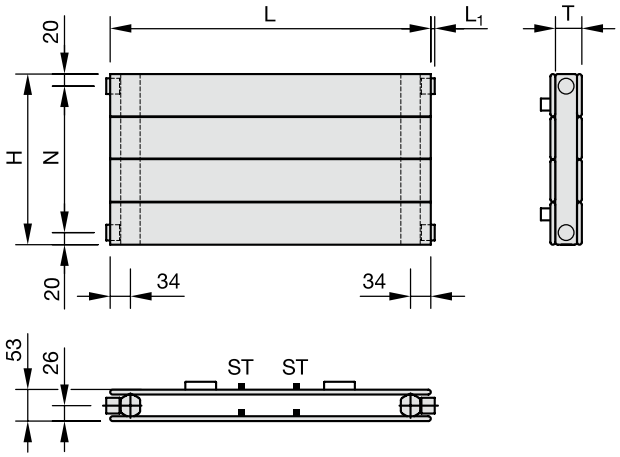
Dimensions in mm

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
NHL07/07	70	55	30	45	0,62	0,4	3,5	21	17,0	1,22	194	158	103
NHL14/14	141	125	101	45	1,28	0,9	6,6	19	29,0	1,23	339	275	180
NHL21/21	212	195	172	45	1,95	1,3	9,7	19	39,0	1,25	456	369	239
NHL28/28	283	265	243	45	2,61	1,8	12,9	20	47,0	1,26	545	440	284
NHL35/21	354	195	314	60	2,77	2,2	14,7	22	52,0	1,25	606	490	318
NHL35/35	354	330	314	60	4,06	2,2	17,6	20	61,0	1,27	710	572	368
NHL42/21	425	195	385	60	2,94	2,7	16,6	23	58,0	1,26	673	543	351
NHL42/42	425	400	385	60	4,90	2,7	21,1	20	70,0	1,27	814	656	422
NHL49/28	496	265	456	60	3,78	3,1	20,1	23	68,0	1,26	789	637	411
NHL49/49	496	471	456	60	5,75	3,1	24,6	20	79,0	1,28	917	738	473
NHL56/28	567	265	527	60	3,95	3,5	22,1	24	74,0	1,27	857	691	445
NHL56/56	567	541	527	60	6,58	3,5	28,1	21	88,0	1,29	1024	823	526
NHL63/28	638	265	598	60	4,12	4,0	24,0	25	80,0	1,27	927	747	481
NHL63/56	638	541	598	60	6,75	4,0	30,0	22	93,0	1,29	1086	873	558
NHL70/28	709	265	669	60	4,28	4,4	25,9	26	86,0	1,27	996	803	517
NHL70/56	709	541	669	60	6,92	4,4	32,0	23	99,0	1,29	1149	923	590
NHL77/28	780	265	740	60	4,88	4,9	28,0	24	92,0	1,27	1065	859	552
NHL77/56	780	541	740	60	8,12	4,9	34,0	22	104,0	1,29	1212	974	622
NHL84/28	851	265	811	60	5,48	5,3	29,9	24	97,0	1,27	1132	913	587
NHL84/56	851	541	811	60	9,32	5,3	36,0	22	110,0	1,29	1274	1024	654

Zehnder Nova

Model NHH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
ST = Stabilising brace
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

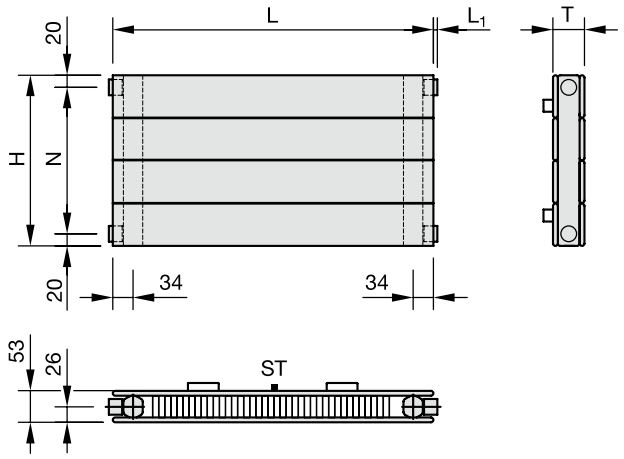
Dimensions in mm

Technical specifications for length 1000 mm

Model	H	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
NHH07	70	30	53	0,33	0,9	3,9	24	15,0	1,23	179	145	95
NHH14	141	101	53	0,67	1,8	7,7	23	26,0	1,24	303	246	160
NHH21	212	172	53	0,99	2,6	11,3	22	36,0	1,24	415	336	219
NHH28	283	243	53	1,31	3,5	15,0	22	45,0	1,25	522	422	274
NHH35	354	314	53	1,63	4,4	18,7	22	54,0	1,25	626	506	328
NHH42	425	385	53	1,96	5,3	22,3	22	63,0	1,26	729	589	380
NHH49	496	456	53	2,28	6,2	25,9	22	72,0	1,26	832	672	434
NHH56	567	527	53	2,60	7,1	29,6	22	80,0	1,27	935	754	485
NHH63	638	598	53	2,92	8,0	33,2	22	89,0	1,27	1040	838	540
NHH70	709	669	53	3,24	8,9	36,9	22	99,0	1,28	1146	922	591
NHH77	780	740	53	3,50	8,6	40,5	22	108,0	1,28	1253	1008	647
NHH84	851	811	53	3,80	9,4	44,2	22	118,0	1,29	1362	1094	699

Zehnder Nova

Model NHLH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
ST = Stabilising brace
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

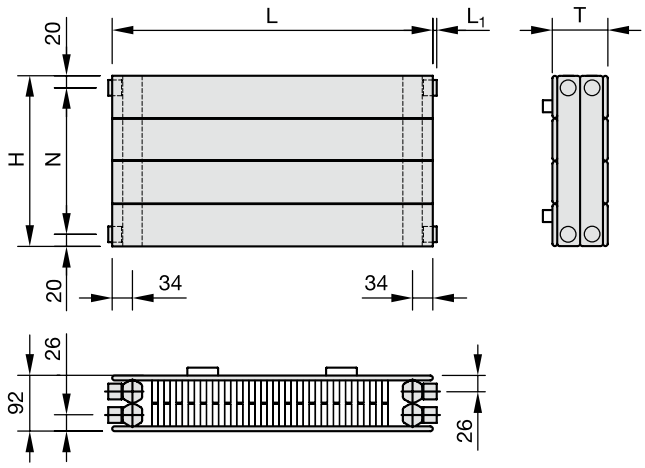
Dimensions in mm

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
NHLH07/07	70	55	30	53	0,80	0,9	5,8	15	23,0	1,24	263	213	139
NHLH14/14	141	125	101	53	1,64	1,8	10,9	13	38,0	1,25	442	358	232
NHLH21/21	212	195	172	53	2,49	2,6	16,0	12	51,0	1,27	595	480	309
NHLH28/28	283	265	243	53	3,33	3,5	21,1	12	63,0	1,29	730	587	375
NHLH35/21	354	195	314	53	3,67	4,4	24,8	15	66,0	1,28	773	622	399
NHLH35/35	354	330	314	53	4,96	4,4	27,8	12	73,0	1,30	850	682	434
NHLH42/21	425	195	385	53	4,02	5,3	28,7	15	74,0	1,28	865	696	446
NHLH42/42	425	400	385	53	5,98	5,3	33,2	12	83,0	1,32	962	769	486
NHLH49/28	496	265	456	53	5,04	6,2	34,1	15	85,0	1,30	989	793	505
NHLH49/49	496	471	456	53	7,01	6,2	38,6	13	92,0	1,33	1072	855	539
NHLH56/28	567	265	527	53	5,39	7,1	38,0	15	93,0	1,30	1081	867	552
NHLH56/56	567	541	527	53	8,02	7,1	44,0	13	102,0	1,34	1185	944	593
NHLH63/28	638	265	598	53	5,74	8,0	41,9	16	101,0	1,30	1177	944	601
NHLH63/56	638	541	598	53	8,37	8,0	47,9	14	109,0	1,34	1265	1008	633
NHLH70/28	709	265	669	53	6,08	8,9	45,8	16	110,0	1,30	1275	1023	651
NHLH70/56	709	541	669	53	8,72	8,9	51,8	14	116,0	1,33	1344	1073	676

Zehnder Nova

Model NHLLH horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

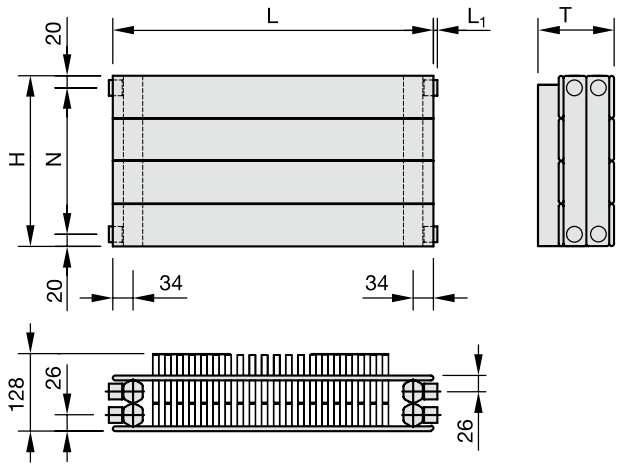
Dimensions in mm

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
NHLLH07/07	70	55	30	92	1,14	0,9	5,9	15	32,0	1,21	376	306	201
NHLLH14/14	141	125	101	92	2,47	1,8	11,8	13	54,0	1,23	630	511	334
NHLLH21/21	212	195	172	92	3,80	2,7	17,7	12	74,0	1,25	857	693	449
NHLLH28/28	283	265	243	92	5,12	3,5	23,6	12	91,0	1,28	1062	855	548
NHLLH35/21	354	195	314	92	4,48	4,4	25,9	15	91,0	1,27	1062	856	551
NHLLH35/35	354	330	314	92	6,38	4,4	29,6	12	107,0	1,30	1250	1003	638
NHLLH42/21	425	195	385	92	4,82	5,3	29,8	15	101,0	1,28	1170	942	604
NHLLH42/42	425	400	385	92	7,71	5,3	35,4	12	122,0	1,31	1424	1140	724
NHLLH49/28	496	265	456	92	6,14	6,2	35,6	15	118,0	1,29	1370	1101	703
NHLLH49/49	496	471	456	92	9,05	6,2	41,3	13	137,0	1,33	1590	1269	800
NHLLH56/28	567	265	527	92	6,48	7,1	39,4	15	127,0	1,29	1480	1189	760
NHLLH56/56	567	541	527	92	10,34	7,1	47,1	13	150,0	1,34	1750	1394	876
NHLLH63/28	638	265	598	92	6,82	8,0	43,3	16	137,0	1,30	1590	1275	812
NHLLH63/56	638	541	598	92	10,72	8,0	50,9	14	158,0	1,34	1843	1468	922
NHLLH70/28	709	265	669	92	7,16	8,9	47,2	16	146,0	1,30	1699	1363	868
NHLLH70/56	709	541	669	92	11,06	8,9	54,8	14	166,0	1,34	1936	1542	969
NHLLH77/28	780	265	740	92	7,89	9,7	51,2	15	155,0	1,30	1804	1447	921
NHLLH77/56	780	541	740	92	12,28	9,7	58,6	13	174,0	1,34	2029	1616	1015
NHLLH84/28	851	265	811	92	8,80	10,6	55,2	15	164,0	1,31	1904	1525	967
NHLLH84/56	851	541	811	92	13,86	10,6	62,4	13	182,0	1,34	2122	1690	1062

Zehnder Nova

Model NHLLHL horizontal



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

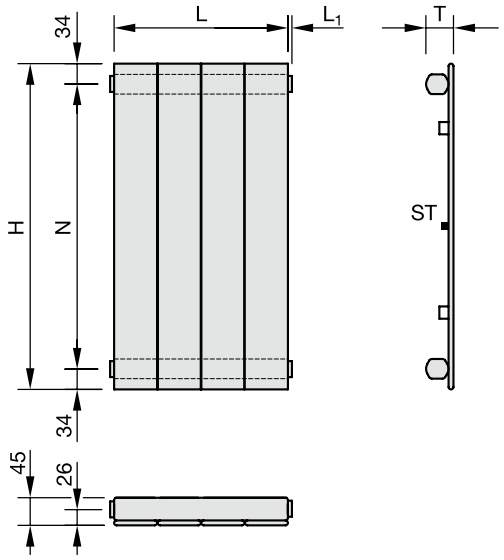
Dimensions in mm

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
NHLLHL07/07	70	55	30	128	1,58	0,9	6,9	16	39,0	1,20	452	369	243
NHLLHL14/14	141	125	101	128	3,40	1,8	13,8	12	66,0	1,23	763	619	404
NHLLHL21/21	212	195	172	128	5,23	2,7	20,7	12	89,0	1,25	1037	839	544
NHLLHL28/28	283	265	243	128	7,05	3,5	27,6	11	110,0	1,28	1281	1031	661
NHLLHL35/21	354	195	314	128	5,90	4,4	28,7	13	105,0	1,27	1224	987	635
NHLLHL35/35	354	330	314	128	8,77	4,4	34,4	11	129,0	1,30	1504	1206	768
NHLLHL42/21	425	195	385	128	6,24	5,3	32,7	14	115,0	1,27	1333	1075	692
NHLLHL42/42	425	400	385	128	10,59	5,3	41,3	11	147,0	1,31	1711	1370	869
NHLLHL49/28	496	265	456	128	8,07	6,2	39,6	14	136,0	1,29	1583	1272	813
NHLLHL49/49	496	471	456	128	12,44	6,2	48,1	11	164,0	1,33	1910	1524	961
NHLLHL56/28	567	265	527	128	8,40	7,1	43,5	14	146,0	1,29	1702	1367	874
NHLLHL56/56	567	541	527	128	14,27	7,1	55,0	12	181,0	1,35	2109	1677	1050
NHLLHL63/28	638	265	598	128	8,74	8,0	47,4	15	157,0	1,29	1823	1465	936
NHLLHL63/56	638	541	598	128	14,60	8,0	58,9	12	189,0	1,35	2200	1750	1095
NHLLHL70/28	709	265	669	128	9,08	8,9	51,4	16	167,0	1,30	1942	1558	992
NHLLHL70/56	709	541	669	128	14,94	8,9	62,9	13	197,0	1,35	2291	1822	1140
NHLLHL77/28	780	265	740	128	7,89	9,7	55,1	15	177,0	1,30	2055	1648	1050
NHLLHL77/56	780	541	740	128	12,28	9,7	66,8	13	205,0	1,35	2382	1894	1186
NHLLHL84/28	851	265	811	128	8,80	10,6	58,9	15	186,0	1,31	2158	1728	1097
NHLLHL84/56	851	541	811	128	13,86	10,6	70,7	13	213,0	1,35	2473	1967	1231

Zehnder Nova

Model NV vertical



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
ST = Stabilising brace
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

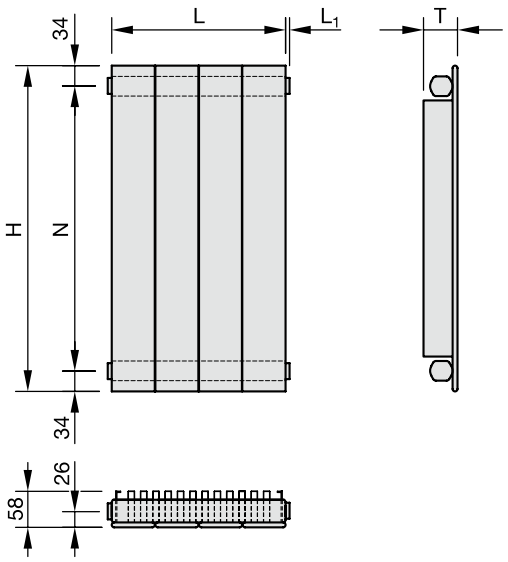
Dimensions in mm

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
NV60	600	532	45	0,11	0,3	1,6	33	4,0	1,27	46,0	37,1	23,9
NV80	800	732	45	0,14	0,4	2,0	33	5,0	1,27	60,0	48,4	31,1
NV100	1000	932	45	0,17	0,4	2,2	33	6,0	1,28	74,0	59,6	38,2
NV120	1200	1132	45	0,20	0,5	2,5	33	8,0	1,28	88,0	70,8	45,4
NV140	1400	1332	45	0,23	0,6	2,9	33	9,0	1,29	101,0	81,1	51,9
NV160	1600	1532	45	0,28	0,7	3,3	33	10,0	1,29	116,0	93,2	59,6
NV180	1800	1732	45	0,31	0,7	3,6	33	11,0	1,30	130,0	104,3	66,4
NV200	2000	1932	45	0,34	0,8	4,0	33	12,0	1,30	145,0	116,3	74,1
NV220	2200	2132	45	0,37	0,9	4,3	33	14,0	1,31	160,0	128,1	81,3
NV240	2400	2332	45	0,40	0,9	4,7	34	15,0	1,31	175,0	140,1	88,9
NV260	2600	2532	45	0,43	1,0	5,0	34	16,0	1,32	191,0	152,7	96,6
NV280	2800	2732	45	0,46	1,1	5,4	34	18,0	1,32	207,0	165,5	104,6
NV300	3000	2932	45	0,49	1,1	5,7	34	19,0	1,33	224,0	178,8	112,7
NV320	3200	3132	45	0,52	1,2	6,0	34	20,0	1,33	241,0	192,3	121,2

Zehnder Nova

Model NVL vertical



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

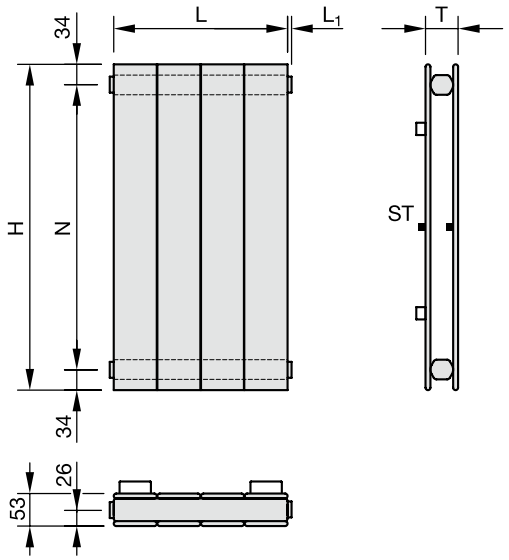
Dimensions in mm

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
NVL60	600	532	58	0,28	0,3	1,7	24	6,0	1,28	71,0	57,1	36,6
NVL80	800	732	58	0,32	0,4	2,1	25	8,0	1,28	88,0	70,8	45,4
NVL100	1000	932	58	0,52	0,4	2,8	24	9,0	1,29	105,0	84,4	53,9
NVL120	1200	1132	58	0,55	0,5	3,2	25	10,0	1,29	121,0	97,2	62,1
NVL140	1400	1332	58	0,75	0,6	3,9	25	12,0	1,30	137,0	109,9	70,0
NVL160	1600	1532	58	0,79	0,7	4,3	26	13,0	1,30	153,0	122,7	78,1
NVL180	1800	1732	58	0,98	0,7	5,0	25	15,0	1,31	169,0	135,3	85,9
NVL200	2000	1932	58	1,02	0,8	5,4	26	16,0	1,31	185,0	148,1	94,0
NVL220	2200	2132	58	1,05	0,9	5,8	27	17,0	1,32	201,0	160,7	101,6
NVL240	2400	2332	58	1,09	0,9	6,1	28	19,0	1,32	217,0	173,5	109,7

Zehnder Nova

Model NVV vertical



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
ST = Stabilising brace
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

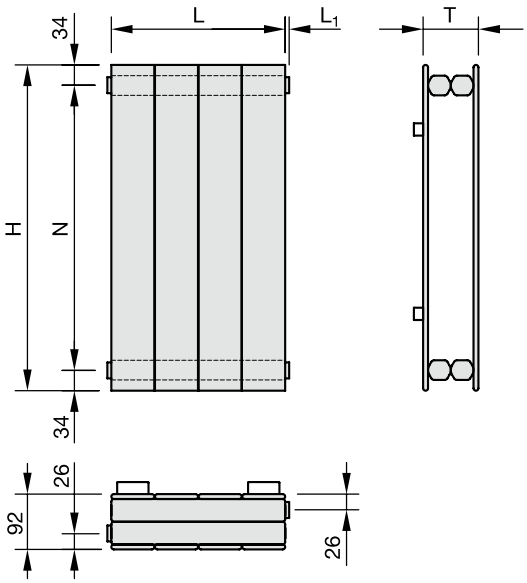
Dimensions in mm

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
NVV60	600	532	53	0,20	0,5	2,3	23	6,0	1,32	67,0	53,6	33,9
NVV80	800	732	53	0,26	0,6	3,0	23	7,0	1,32	87,0	69,5	44,0
NVV100	1000	932	53	0,32	0,8	3,6	23	9,0	1,32	107,0	85,5	54,1
NVV120	1200	1132	53	0,38	0,9	4,3	23	11,0	1,32	127,0	101,5	64,2
NVV140	1400	1332	53	0,44	1,1	5,0	23	13,0	1,32	147,0	117,5	74,3
NVV160	1600	1532	53	0,50	1,2	5,7	23	14,0	1,32	166,0	132,7	83,9
NVV180	1800	1732	53	0,56	1,3	6,3	24	16,0	1,32	185,0	147,9	93,5
NVV200	2000	1932	53	0,62	1,5	7,0	24	18,0	1,32	204,0	163,1	103,1
NVV220	2200	2132	53	0,68	1,6	7,7	24	19,0	1,32	224,0	179,1	113,2
NVV240	2400	2332	53	0,74	1,7	8,4	25	21,0	1,32	243,0	194,2	122,8
NVV260	2600	2532	53	0,80	1,9	9,0	24	23,0	1,32	262,0	209,4	132,4
NVV280	2800	2732	53	0,87	2,0	9,7	24	24,0	1,32	280,0	223,8	141,5
NVV300	3000	2932	53	0,93	2,1	10,4	25	26,0	1,32	299,0	239,0	151,2

Zehnder Nova

Model NVV-4SR vertical



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

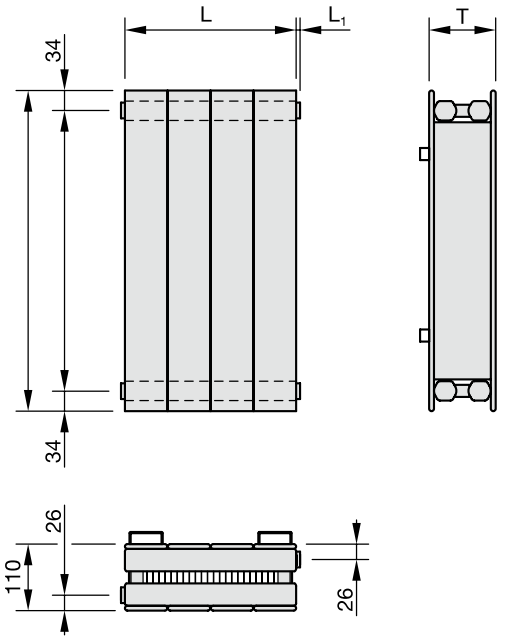
Dimensions in mm

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
NVV60-4SR	600	532	92	0,22	0,6	2,5	23	7,0	1,28	79,0	63,6	40,8
NVV80-4SR	800	732	92	0,26	0,8	3,2	23	9,0	1,29	100,0	80,3	51,3
NVV100-4SR	1000	932	92	0,32	0,9	3,9	23	10,0	1,29	121,0	97,2	62,1
NVV120-4SR	1200	1132	92	0,40	1,0	4,6	23	12,0	1,30	141,0	113,1	72,0
NVV140-4SR	1400	1332	92	0,44	1,2	5,2	23	14,0	1,31	163,0	130,5	82,8
NVV160-4SR	1600	1532	92	0,51	1,3	6,0	23	16,0	1,31	184,0	147,3	93,5
NVV180-4SR	1800	1732	92	0,57	1,4	6,6	24	18,0	1,32	205,0	163,9	103,6
NVV200-4SR	2000	1932	92	0,63	1,6	7,3	24	20,0	1,32	227,0	181,5	114,8
NVV220-4SR	2200	2132	92	0,70	1,7	8,0	24	21,0	1,33	249,0	198,7	125,2
NVV240-4SR	2400	2332	92	0,76	1,8	8,7	25	23,0	1,33	272,0	217,1	136,8
NVV260-4SR	2600	2532	92	0,82	2,0	9,3	25	25,0	1,34	295,0	235,0	147,6
NVV280-4SR	2800	2732	92	0,88	2,1	10,1	25	27,0	1,34	319,0	254,1	159,6
NVV300-4SR	3000	2932	92	0,94	2,2	10,7	25	29,0	1,35	343,0	272,8	170,7

Zehnder Nova

Model NVLV vertical



H = Height
L = Length
N = Boss spacing
L_1 = Excess length thread, ¼", ⅜", ½" = 6; ¾" = 7,5
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

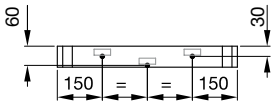
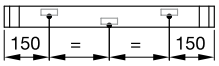
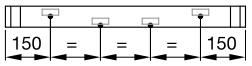
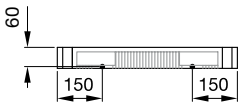
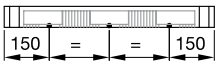
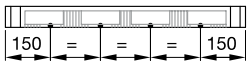
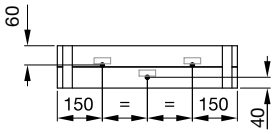
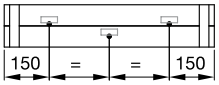
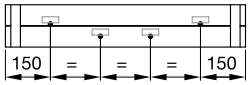
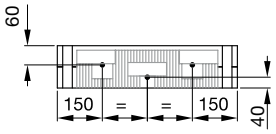
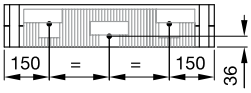
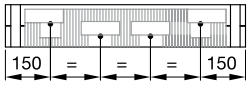
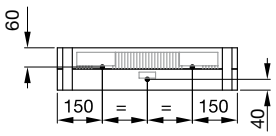
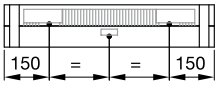
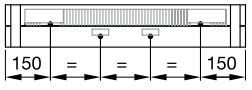
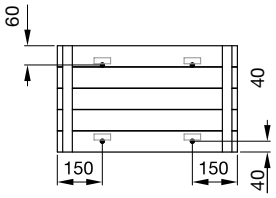
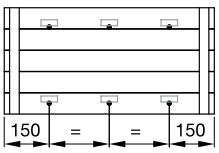
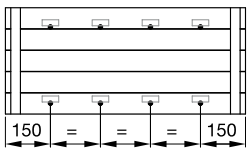
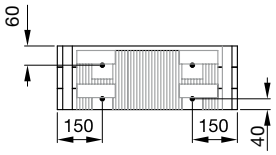
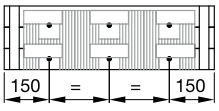
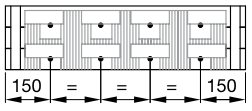
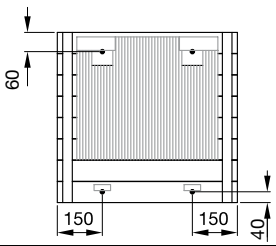
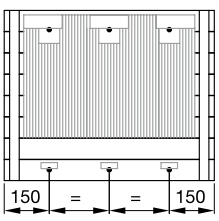
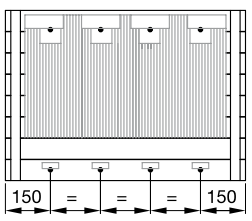
Technical specifications per element

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
NVLV60	600	532	110	0,39	0,6	3,0	24	8,0	1,31	96,1	77,3	49,6
NVLV80	800	732	110	0,46	0,8	3,7	25	10,0	1,32	120,0	95,9	60,7
NVLV100	1000	932	110	0,69	0,9	4,8	24	12,0	1,33	144,0	114,9	72,4
NVLV120	1200	1132	110	0,75	1,0	5,5	25	15,0	1,34	169,0	134,6	84,5
NVLV140	1400	1332	110	0,98	1,2	6,5	25	17,0	1,35	195,0	155,1	97,1
NVLV160	1600	1532	110	1,05	1,3	7,3	26	19,0	1,35	222,0	176,5	110,5
NVLV180	1800	1732	110	1,27	1,4	8,4	25	22,0	1,35	251,0	199,6	124,9
NVLV200	2000	1932	110	1,34	1,6	9,0	26	23,0	1,35	273,0	217,1	135,9
NVLV220	2200	2132	110	1,40	1,7	9,8	27	25,0	1,35	295,0	234,6	146,8
NVLV240	2400	2332	110	1,47	1,8	10,5	28	27,0	1,35	316,0	251,3	157,3

Zehnder Nova

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

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

H = 70[1)]	B	L = 400 - 1500	B	L > 1500 - 3500	B	L > 3500 - 6000
NH, NHH, NHLH, NHLLH 	3		3		4	
NHL, NHLLHL 	2		3		4	
H = 141[1)]	**B**	**L = 400 - 1500**	**B**	**L > 1500 - 3500**	**B**	**L > 3500 - 6000**
NH, NHH, NHLH, NHLLH 	3		3		4	
NHL, NHLLHL 	3		3		4	
NHL, NHLLHL – variable fins  	3		3		4	
H = 212 - 1419	**B**	**L = 400 - 1500**	**B**	**L > 1500 - 3500**	**B**	**L > 3500 - 6000**
NH, NHH, NHLH, NHLLH 	4		6		8	
NHL, NHLLHL 	4		6		8	
NHL, NHLLHL – variable fins  	4		6		8	

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

[1)] Models with heights 70 and 141 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.

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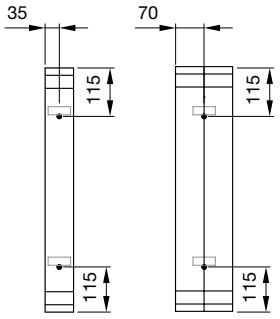
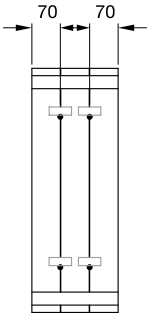
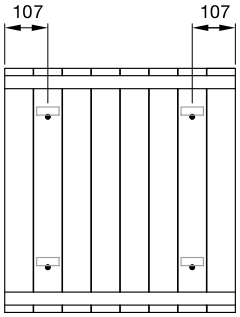
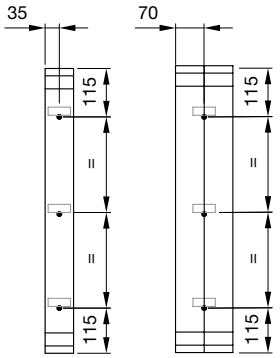
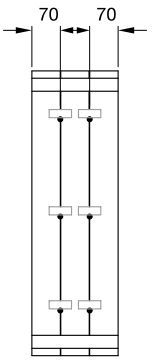
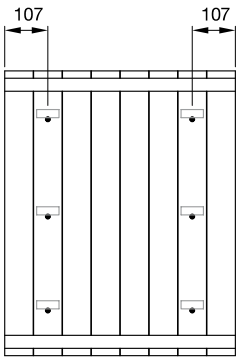
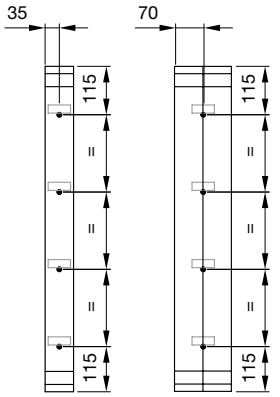
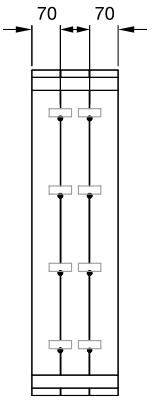
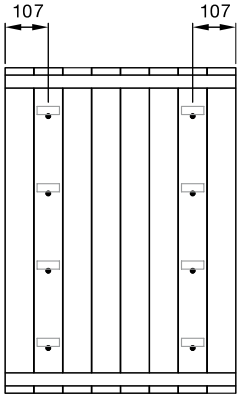
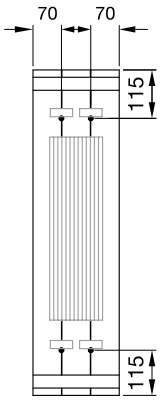
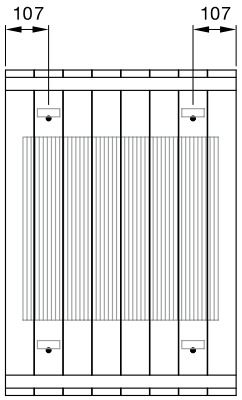
Notes on load requirements, safety and installation conditions in the keyword list.

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

H = 600 - 1500	B	L = 70 - 141[1)]	B	L = 212	B	L = 283 - 2129
NV, NVV, NVLV, NVV4SR 	2		4		4	
H = 1600 - 3500	**B**	**L = 70 - 141[1)]**	**B**	**L = 212**	**B**	**L = 283 - 2129**
NV, NVV, NVLV, NVV4SR 	3		6		6	
H = 3600 - 4600	**B**	**L = 70 - 141[1)]**	**B**	**L = 212**	**B**	**L = 283 - 2129**
NV, NVV, NVLV, NVV4SR 	4		8		8	
H = 600 - 2400	**B**		**B**	**L = 212**	**B**	**L = 283 - 2129**
NVL 			4		4	

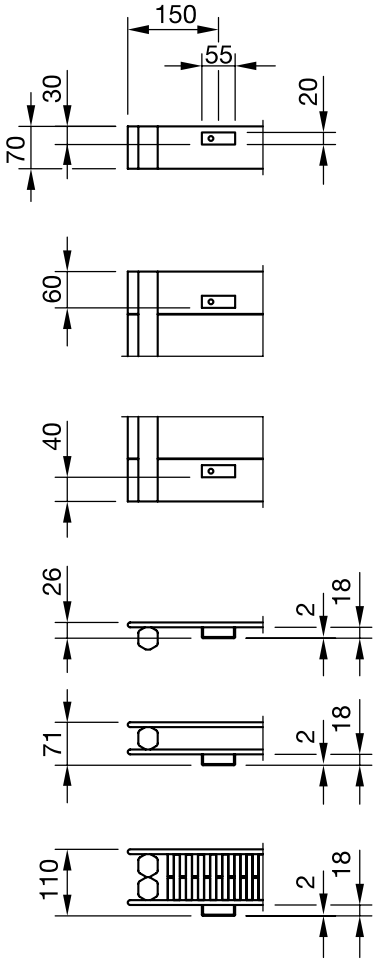
[1)] Models with heights 70 and 141 mm may need to be stabilised by means of the connections, otherwise it is possible that the radiator may tip over due to the position of the mounting axes.

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

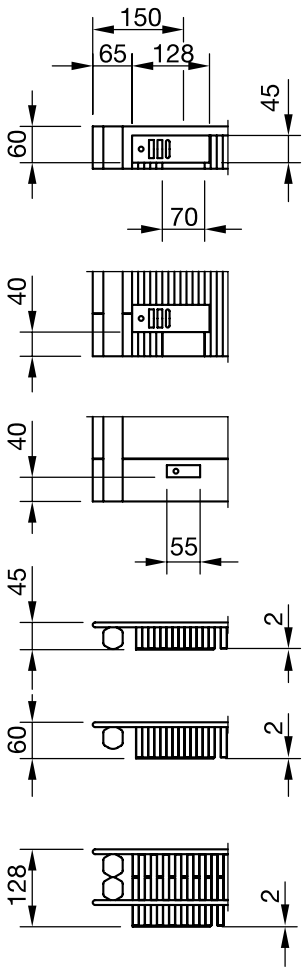
Dimensions in mm

Detail of lugs for horizontal version

NH, NHH, NHLH, NHLH



NHL, NHLLHL



Dimensions in mm

Note:
On the version with integrated valve (Completto/“Breakthrough”), the position of the lugs and installation points change for the length ≥ 283 mm. Details on request.

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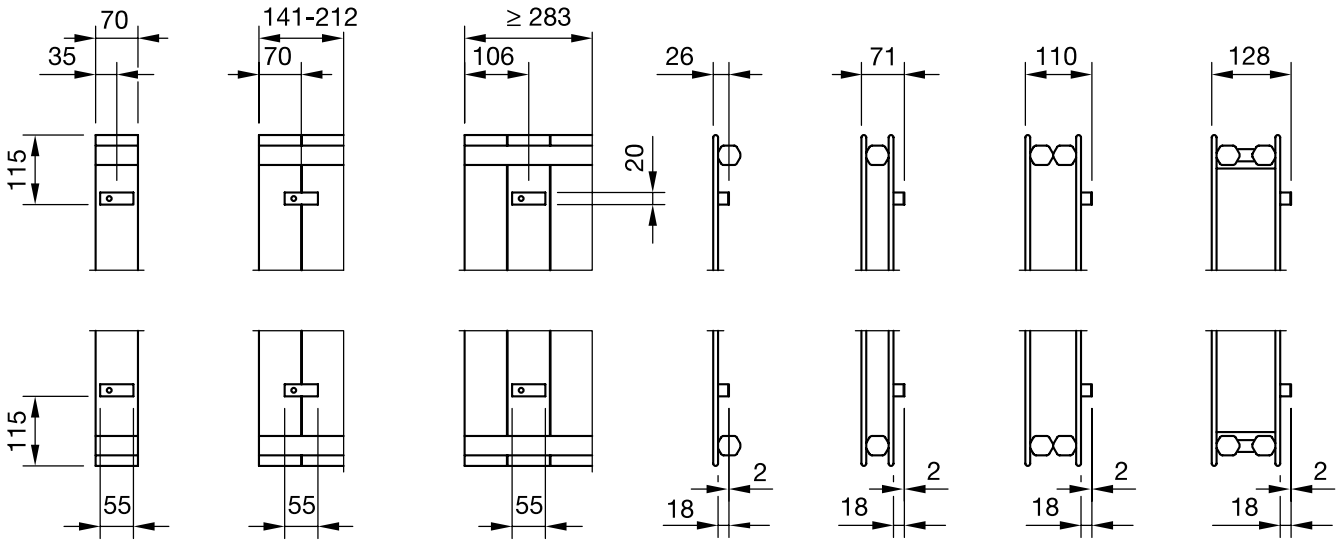
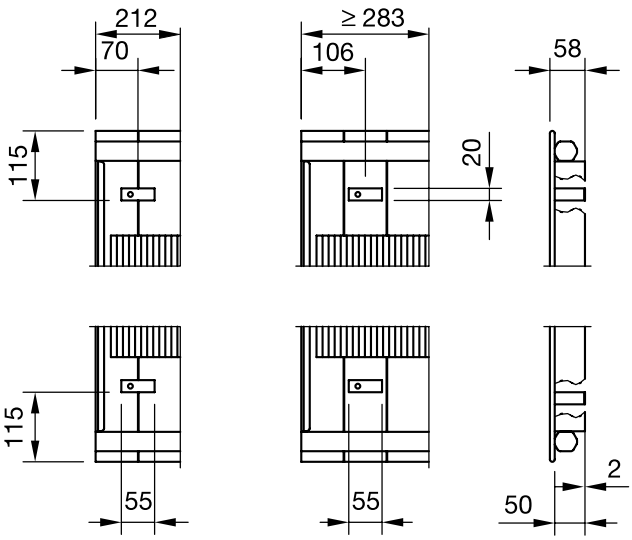
Detail of lugs for vertical version

NV, NVV, NVLV, NVV4SR



NVL

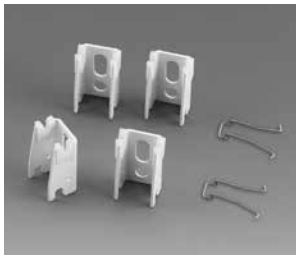
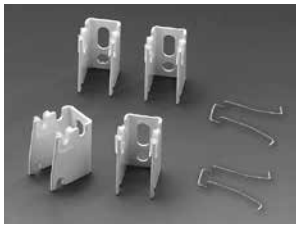
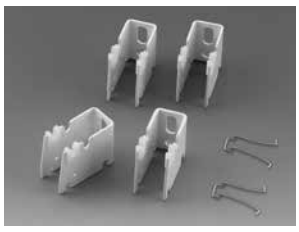


Dimensions in mm

Note:
On the version with integrated valve (Completto/“Breakthrough”), the position of the lugs and installation points change for the length ≥ 283 mm. Details on request.

Notes

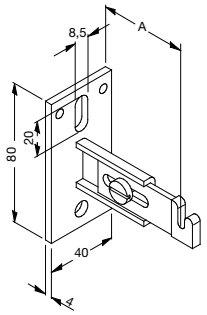
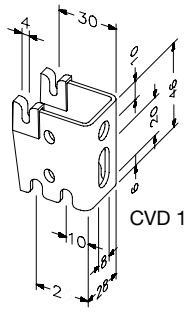
Sets for wall mounting

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 Nova Zehnder
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 Nova (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 Nova (not all models)
Set CVD 2 Fixing set, consisting of: - Bracket CVD 2 - Attenuator (white) - Locking mechanism		RAL 9016 3 x CVD 2 4 x CVD 2 6 x CVD 2 8 x CVD 2 10 x CVD 2	 795321 795421 795621 795821 795921	 **19,53** **25,27** **36,82** **48,35** **59,84**	Zehnder Nova (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

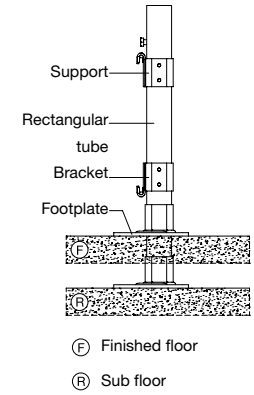
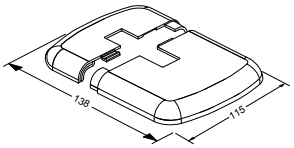
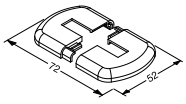
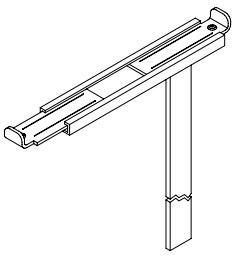
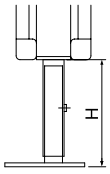
[1)] An on-site locking device may be required depending on the installation and connection situation and the net weight of the radiator

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 Zehnder Nova

[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**	For all radiators with lugs up to a construction height of 600 mm[1)] Exceptions: Zehnder Nova models NV
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				**120,48**	Zehnder Nova

[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 Nova
Magnetic towel hooks for panel radiators Max. load 5 kg		Chrome	470328	**135,31**	Zehnder Nova

Thermostats

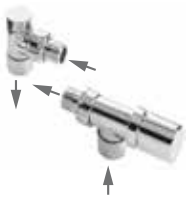
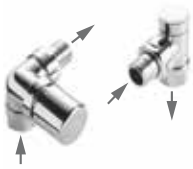
Description		Version	Article number	**Price €**	Application
Zehnder thermostat “LH2” Thermostat with integrated fluid sensor, tested according to EN 215. Can be restricted and locked to individual reference value of 7 to 28 °C. Version with zero setting and threaded connection for thermostat M 30 x 1,5		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**	

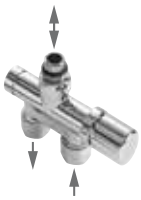
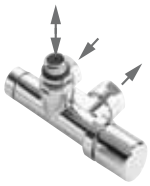
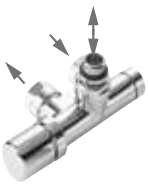
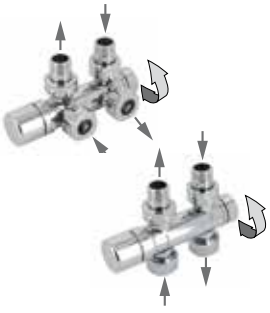
Zehnder Design Line Valve

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.

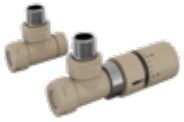
All valves respectively connection fittings are delivered with handwheels as protection caps (thermostatic heads to be ordered separately) and union nuts as transition to the tube (matching adaptors and connection sets are to be ordered separately!) --> see page 78

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!

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 Copper Ø 12 mm Copper Ø 14 mm Copper Ø 15 mm Copper Ø 16 mm		 Brass Brass Brass Brass Brass	 842080 842090 842100 842110 842120	 **7,13** **7,13** **7,13** **7,13** **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**	

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 Nova	CE - 05

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 Nova	1000 x 2000 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 Nova	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 Nova - vertical models	17%
Zehnder Nova - 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 Nova	4,5	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 [1]	X [3]

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 86/87.
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 Nova:

Model NH21, length 2000 mm
Φ_s = 508 W, exponent n = 1,23
t_1 = 70 °C, t_2 = 50 °C, t_r = 22 °C

Φ = 508 W x 0,692 = 352 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

Functional principle

ComfoFond
Geothermal heat exchanger (optional)

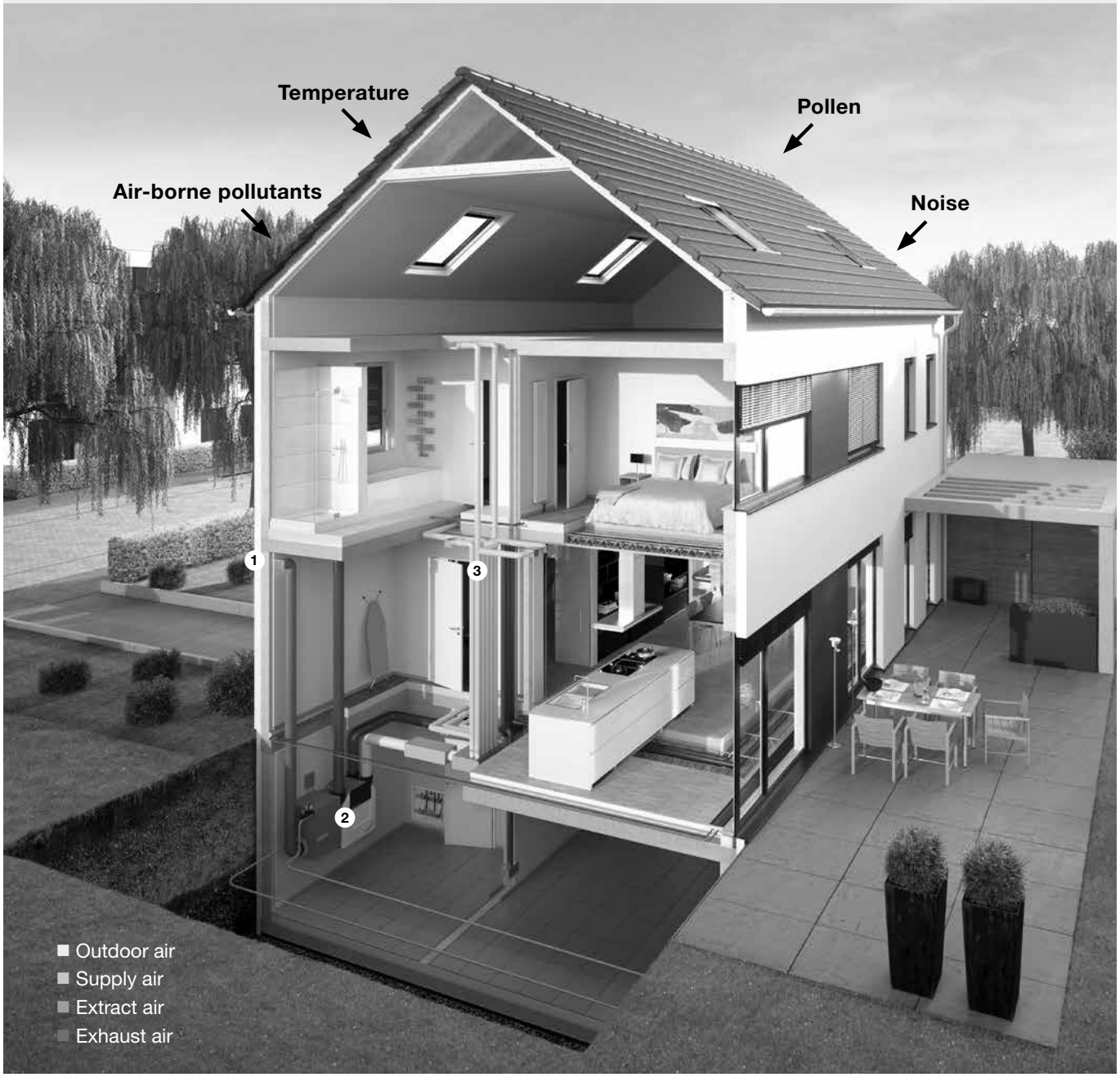
ComfoUnit
Ventilation units

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.

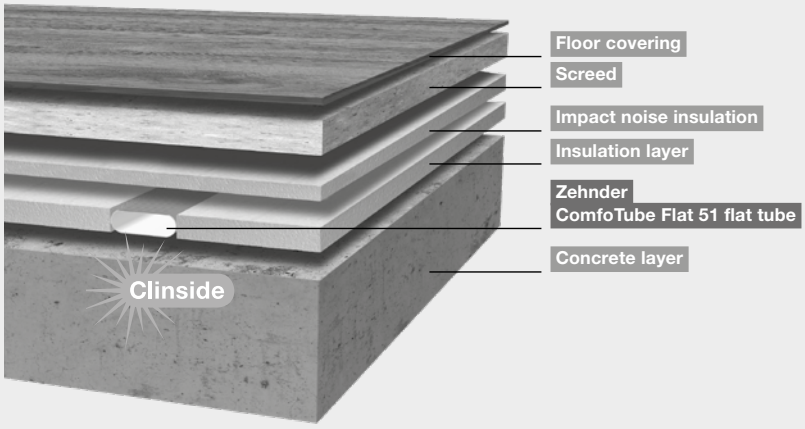
3. The Zehnder ComfoFresh air distribution system channels fresh air at the right temperature to individual rooms as needed and vents the extract air to the outside. The air volume can be individually adjusted for each room.



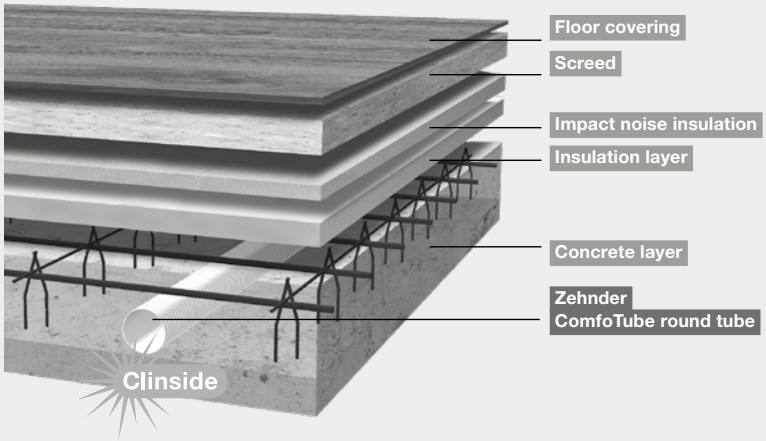
Air distribution system – effective and hygienic

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.

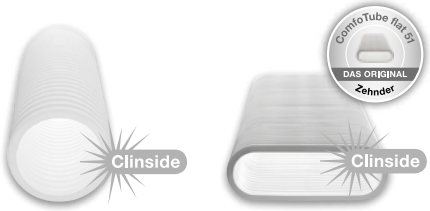
The air distribution system with flat tube for cover, wall and floor (Zehnder OnFloor)



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

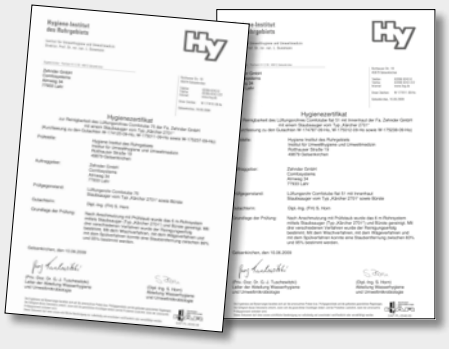


- Easy to install, flexible pipes
- High-quality food grade plastic (HDPE)
- Clinside smooth inner skin for clean tubes
- Centrally and peripherally adjustable airflow rates
- Low pressure loss
- Easy to clean



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

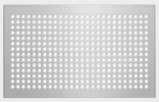
- For use in demanding residential and commercial buildings
- Up to 95% heat recovery by cross-counterflow heat exchanger
- Fans with extremely efficient EC motors
- 100% automatic bypass
- Option: Electric pre-heater or enthalpy exchanger

Zehnder ComfoAir Q350 TR

Passive house certified

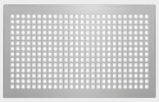
Zehnder designer grilles

- 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

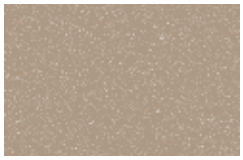
White Quartz [1)]
0521

Pure White [2)]
RAL 9010 / 9010

Edelweiss
0067

Cream
RAL 9001 / 9001

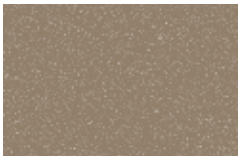
Telegrey 4
RAL 7047 / 7247



Beige Quartz
0523

Golden Sand
0258

Yellow Grey
RAL 7034 / 7234



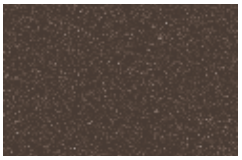
Pearl Beige
RAL 1035 / 1235

Beach Gold
0272

Concrete Grey
0265

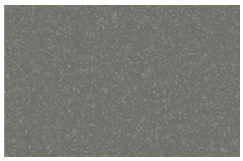
Beige Grey
0267

Bronze
0276

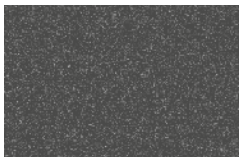


Brown Quartz
0529

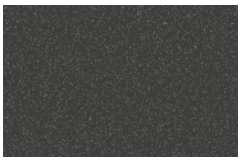
Dark Brown
0270



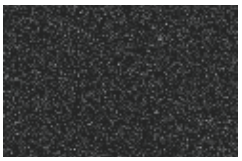
Grey Aluminium
9007



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

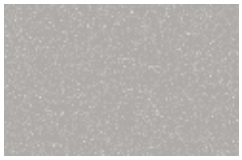
Cool colours

Colour category 1: CORE

White Matt
0556

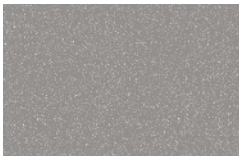
Light Beige
0253

Light Grey
0262

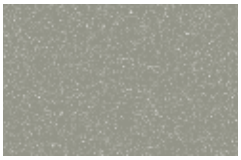


White Aluminium
9006

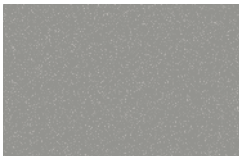
Light Jeans
0264



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

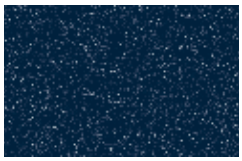
Surcharge for colour category 1: 20 %

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-Nova, en, subject to change without notice