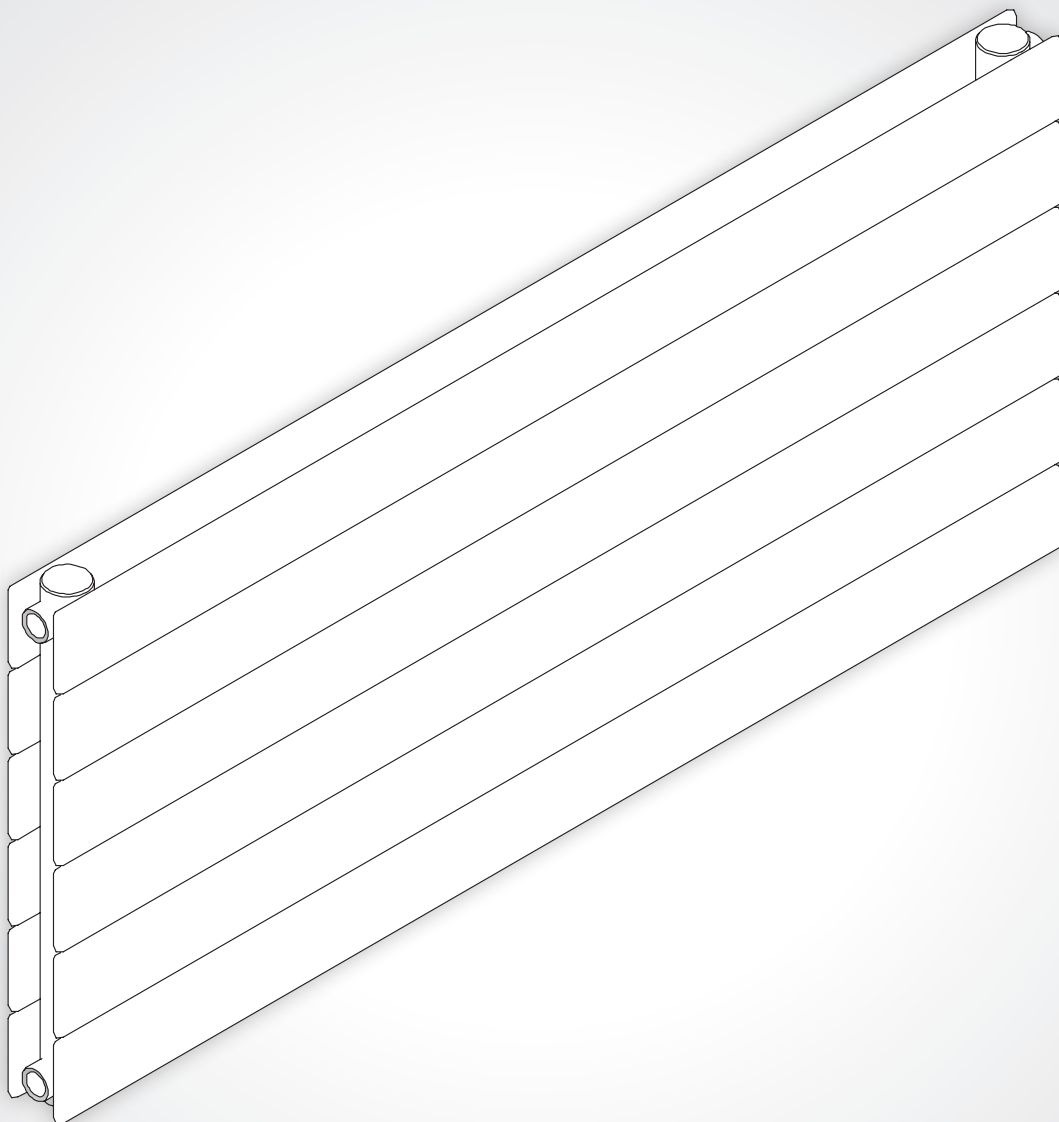


zehnder

always the
best climate

Zehnder Nova

Technical brochure



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.



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

INNOVATION OVER 4 GENERATIONS

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

REPRESENTED IN MORE THAN **70** COUNTRIES

AROUND **3,000** EMPLOYEES

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

INNOVATION SINCE **1895**

830 PATENTS AND DESIGN RIGHTS THROUGHOUT THE WORLD

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

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

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



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



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



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



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

OUR BRANDS EMBRACE INNOVATION, QUALITY AND DESIGN

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

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

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

BEST QUALITY CERTIFICATES

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



Zehnder Nova

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Subject to technical and price changes.

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Sizes, units of measurement, symbols (EN 442)

Symbol	Unit	Description
H	mm	Height
L	mm	Length
T	mm	Depth
H Lam.	mm	Height of fins
N	mm	Distance between connections
A	m ²	Surface area
V	dm ³	Water capacity
M	kg	Empty weight
E	–	Number of elements
t₁	°C	Flow temperature
t₂	°C	Return temperature
t_r	°C	Room temperature
t_m	°C	Mean water temperature $\frac{t_1 + t_2}{2}$
∅T	K	Temperature difference t _m – t _r
Φ	W=(J/s)	Heat capacity
Φ_s	W	Nominal heat emission
Φ_L	W	Nominal heat emission per module
c_p	J/kg K	Mean specific heat capacity
n	–	Radiator characteristic, exponent
s_k	%	Percentage of emission by radiation
c_K	–	Correction factor to Φ _s
q_m	kg/h/(kg/s)	Water flow
q_{ms}	kg/h/(kg/s)	Normal water flow
v	m/s	Speed
∅p	kPa	Pressure loss, pressure drop
ζ	–	Coefficient of resistance

General

Technical details such as dimensions, weights, heat surfaces always relate to the standard model of the specific product. This information is applicable only to radiators with an overall length of 1000 mm. For other lengths, the influence of the couplings and/or header tubes must be taken into consideration.

The heat emission figures are valid for connections on the same end. The influence of other connection types is described in the technical literature. We will be pleased to provide you with information regarding specific cases.



Heat capacity Φ

The heat emission of a radiator model is determined from the nominal characteristics:

$$\Phi = K_M \cdot \Delta T^n \text{ where } K_M \text{ is the constant for the model.}$$

According to the standard SIA 384.502 (EN442-2), the temperature difference is calculated from the arithmetic mean between the flow and return temperatures and the reference air temperature.

$$\Delta T = \frac{t_1 + t_2}{2} - t_r$$

Temperature difference ∅T

The heat emission for temperature differences ∅T other than the nominal temperature difference ∅T = 50 K can therefore be calculated from the equation

$$\Phi = \Phi_s \left(\frac{\Delta T K}{50 K} \right)^n$$

Example of the heat emission calculation for Φ

$$\begin{aligned} \Phi &= 459 \text{ W} \\ \text{Exponent } n &= 1.24 \\ t_1 &= 60^\circ\text{C} \\ t_2 &= 40^\circ\text{C} \\ t_r &= 15^\circ\text{C} \end{aligned}$$

$$\Delta T = \frac{60^\circ\text{C} + 40^\circ\text{C}}{2} - 15^\circ\text{C} = 35\text{K}$$

$$\Phi = 459 \text{ W} \left(\frac{35\text{K}}{50\text{K}} \right)^{1.24} = 459 \text{ W} \cdot 0.6426 = 295 \text{ W}$$

Nominal water flow q_{ms}

(heating medium flow, flow-through quantity, mass flow)

The nominal water flow q_{ms} of a radiator results in a temperature spread of 10K with a flow temperature of 75°C (nominal heat emission conditions).

$$\text{Therefore } q_{ms} = \frac{\Phi}{c_p (t_1 - t_2)} \quad c_p \approx 4187 \frac{\text{J}}{\text{Kg}\cdot\text{K}}$$

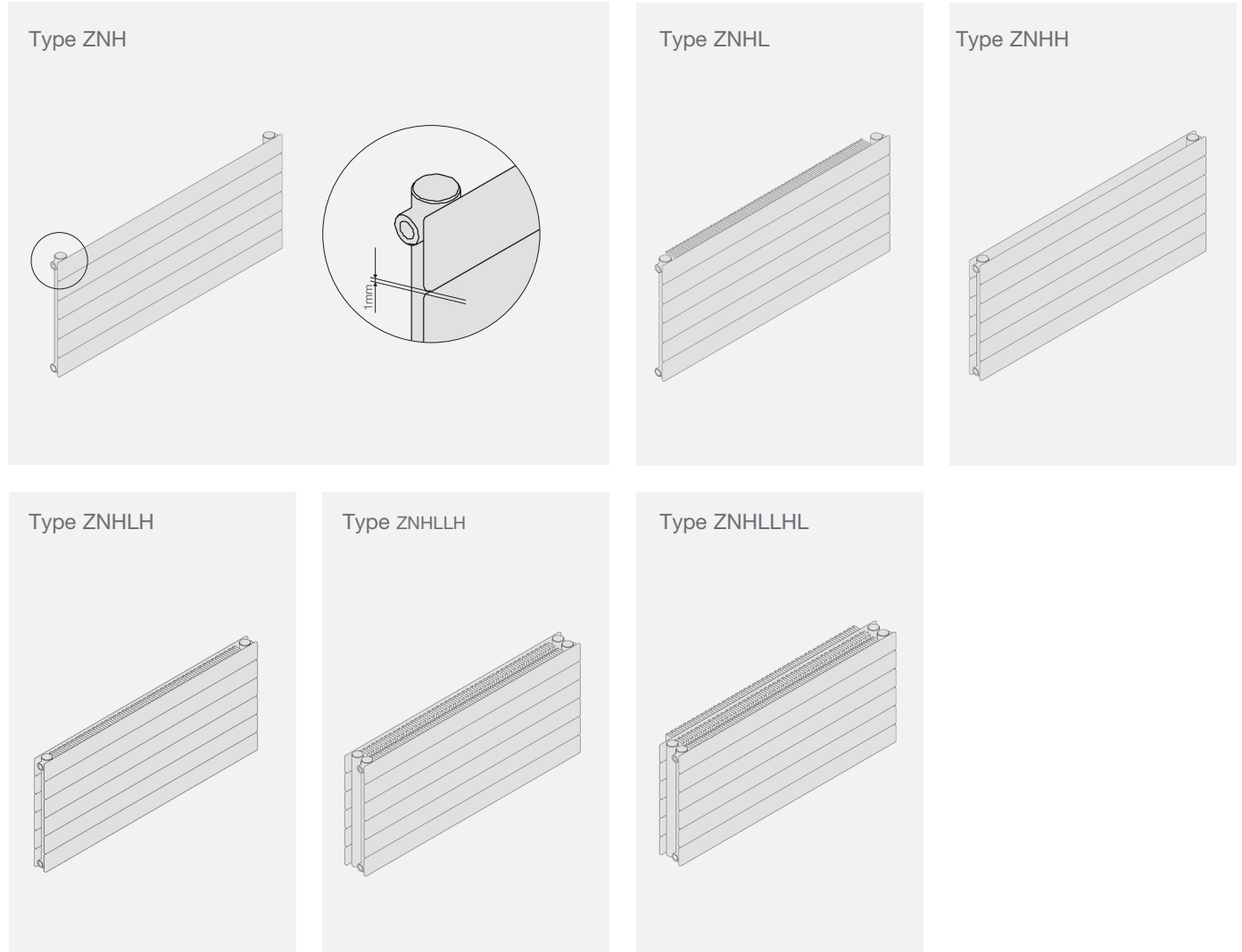
The actual water flow q_m of a radiator can differ considerably from the nominal water flow q_{ms} with flow and return temperatures other than 75/65 °C.

$$q_{ms} = \frac{459}{4187 (75-65)} \quad q_{ms} = 0.011 \text{ kg/s} \approx 39.5 \text{ kg/h}$$

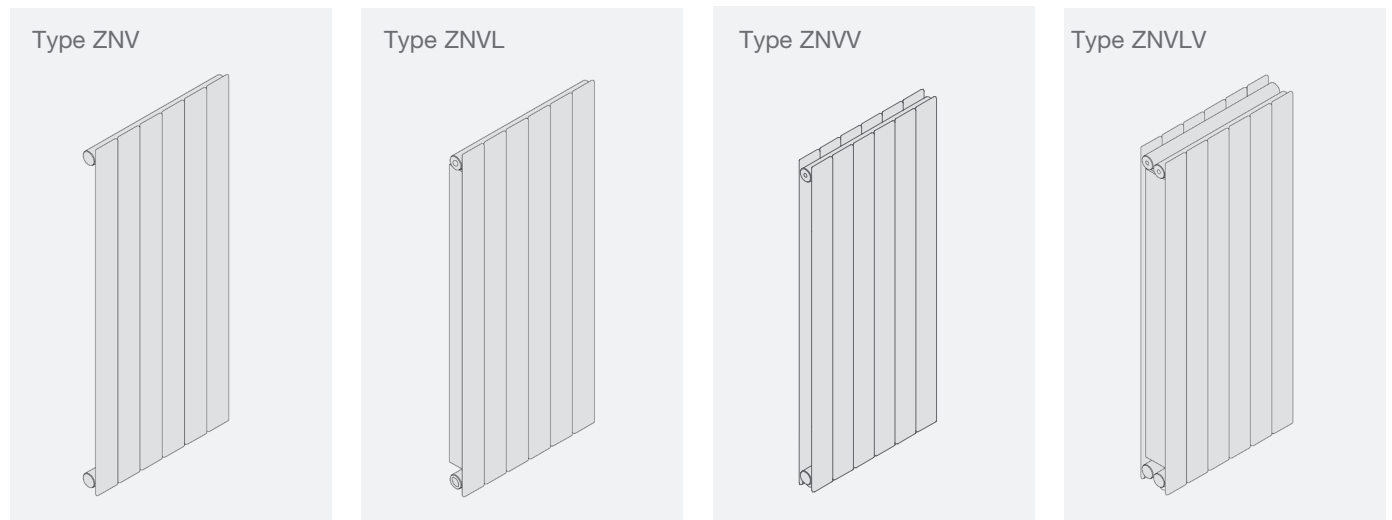
Zehnder Nova

Models overview

Horizontal



Vertical



Zehnder Nova

Product description

General

The **Zehnder** Nova panel radiator consists of flat oval precision tubes pressure-welded with a one-mm air gap to symmetric water channels. The shapes of the flat oval tubes and water channels preclude any risk of physical injury.

Materials used

Flat oval tubes collectors	70 x 11 mm
Water-channel tubing (section)	38 ø mm
Fins	Sheet steel

Particularly advantageous features

- Small overall depth
- Modern, elegant design
- Wide range of models
- Horizontal and vertical configurations
- No sharp edges or corners
- Very low water content
- Very efficient
- Suitable for low temperature systems and minimum energy applications

Application

The extensive range of Zehnder Nova panel radiators enables their installation almost anywhere.

Dimensions

Horizontal panel radiators:

Overall lengths	500 to 6000 mm (in 100 mm increments)
Overall heights	70 to 2129 mm (max. 30 flat oval tubes)

Vertical panel radiators:

Overall lengths	74 to 1719 mm (max. 24 flat oval tubes)
Overall heights	600 to 4600 mm (in 200 mm increments)

An average length tolerance of ± 2 mm per metre run must be allowed for.

Important! Remember transport limitations!

Test pressures

Standard	6.0 bar
High pressure (price supplement)	13.0 bar

Operating pressures (EN 442)

Standard	max. 4.6 bar
High pressure (price supplement)	max. 9.0 bar
Operating temperature	max. 120 °C

Basic delivery schedule for standard configuration

Supplied ready-to-install with 2, 3 or 4 connectors for flow, return, vent and drain welded in. Stove-enamelled in RAL 9016 standard pure white with transport packing.

Special versions

- Curved or angled configuration, on request and according to drawing
- Intermediate lengths, horizontal
- Intermediate heights, vertical
- Vertical overlengths up to 6000 mm
- High-pressure version
- Covering grille
- Standard accessories in the radiator's colour
- One-pipe connections

Stove enamelling

Standard version RAL 9016 pure white

Special enamelling with price supplement

- Zehnder colour range
- Other RAL, NCS-S and sanitary ware colours

Optional on request

Metallic enamelling, clear lacquer and RAL luminous colours on request.

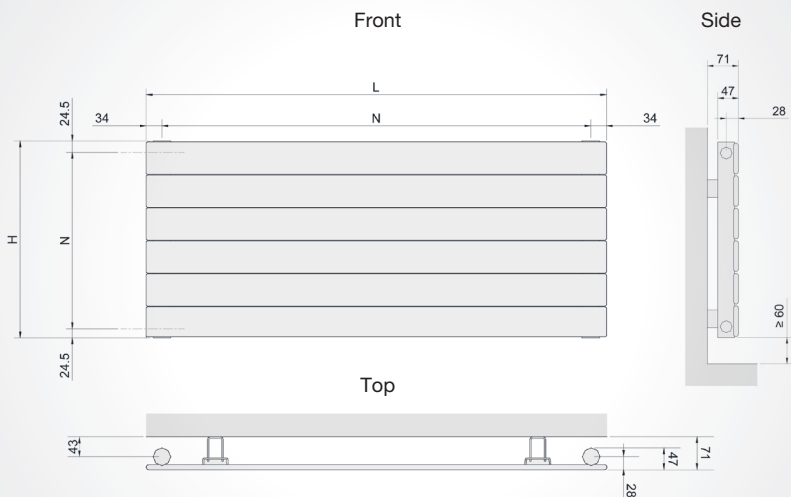
Slight variations in comparison with the original RAL or NCS colours are possible, due to varying glazes and production techniques.

The British Standard Code of Practice BS7593: 1992 Treatment of Water in Hot Water Central Heating Systems, should be observed when installing a system.

All Zehnder products are supplied with a 2 year warranty on materials and manufacture. However, this may be invalidated should adequate water treatment not be applied during installation and throughout the life of the system.

Zehnder Nova

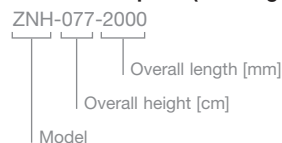
Type ZNH horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm (in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)

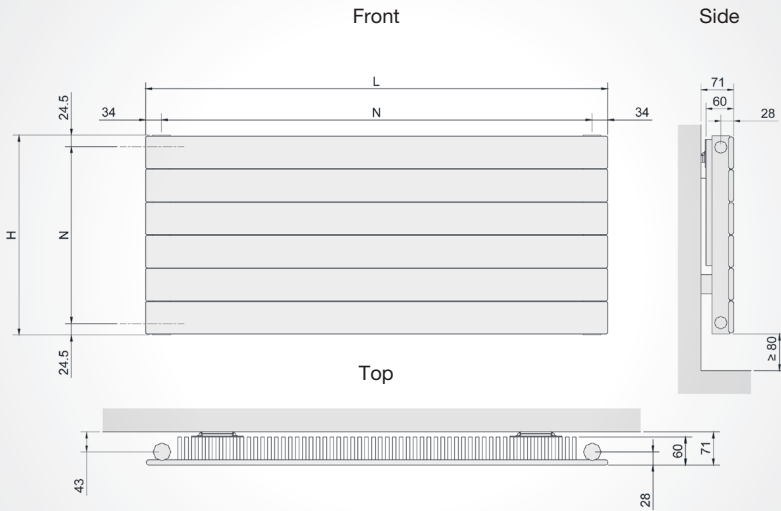


Technical data per 1000 mm

Model	H mm	V dm ³	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNH-007	74	0.61	1.76	1.2	106
ZNH-014	146	1.22	3.39	1.23	192
ZNH-021	217	1.83	5.02	1.26	272
ZNH-028	289	2.44	6.63	1.24	348
ZNH-035	360	3.05	8.25	1.23	423
ZNH-042	432	3.66	9.88	1.23	495
ZNH-049	503	4.27	11.53	1.24	567
ZNH-056	575	4.88	13.12	1.24	638
ZNH-063	646	5.49	14.74	1.25	708
ZNH-070	718	6.10	16.36	1.25	778
ZNH-077	789	6.71	18.18	1.25	846
ZNH-084	861	7.32	19.70	1.26	917
ZNH-091	932	7.92	21.23	1.26	986
ZNH-098	1004	8.53	22.86	1.27	1055
ZNH-105	1075	9.14	24.54	1.27	1125
ZNH-112	1147	9.75	26.10	1.27	1194
ZNH-119	1218	10.36	27.72	1.28	1263
ZNH-126	1290	10.97	29.35	1.28	1333
ZNH-133	1361	11.58	30.97	1.28	1403
ZNH-140	1433	12.19	32.66	1.29	1473
ZNH-147	1504	12.80	34.29	1.29	1543
ZNH-154	1576	13.41	35.93	1.29	1614
ZNH-161	1647	14.02	37.56	1.3	1685
ZNH-168	1719	14.63	39.19	1.3	1756

Zehnder Nova

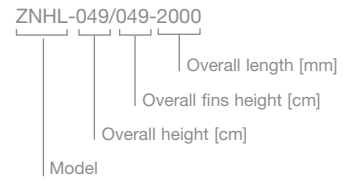
Type ZNHL horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm
(in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)

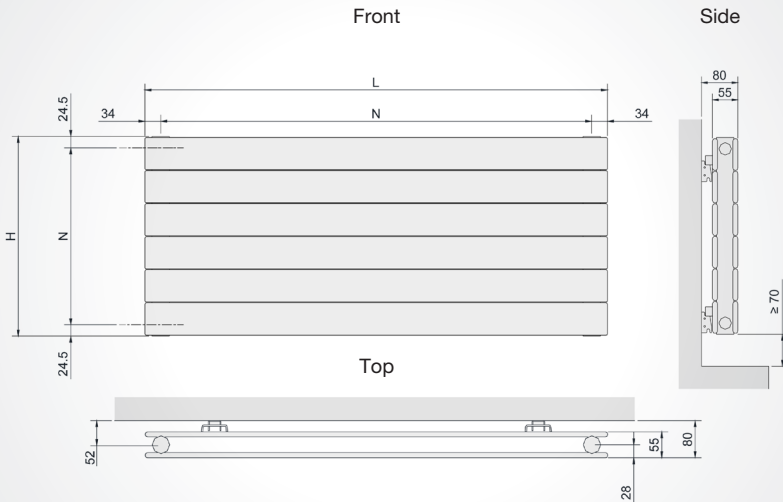


Technical data per 1000 mm

Model	H mm	V dm ³	M kg	Exp. n	Φ _L = ΔT 50 K EN 442 Watt
ZNHL-007/007	74	0.61	3.23	1.22	243
ZNHL-014/014	146	1.22	6.46	1.24	389
ZNHL-021/021	217	1.83	10.04	1.25	512
ZNHL-028/028	289	2.44	13.39	1.26	625
ZNHL-035/035	360	3.05	16.74	1.28	730
ZNHL-042/042	432	3.66	16.41	1.26	831
ZNHL-049/049	503	4.27	19.14	1.25	928
ZNHL-056/056	575	4.88	21.94	1.24	1021
ZNHL-063/056	646	5.49	23.50	1.24	1096
ZNHL-070/056	718	6.10	25.15	1.24	1163
ZNHL-077/056	789	6.71	26.96	1.24	1221
ZNHL-084/056	861	7.32	28.48	1.24	1272

Zehnder Nova

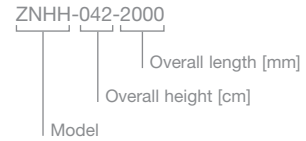
Type ZNHH horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm
(in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)

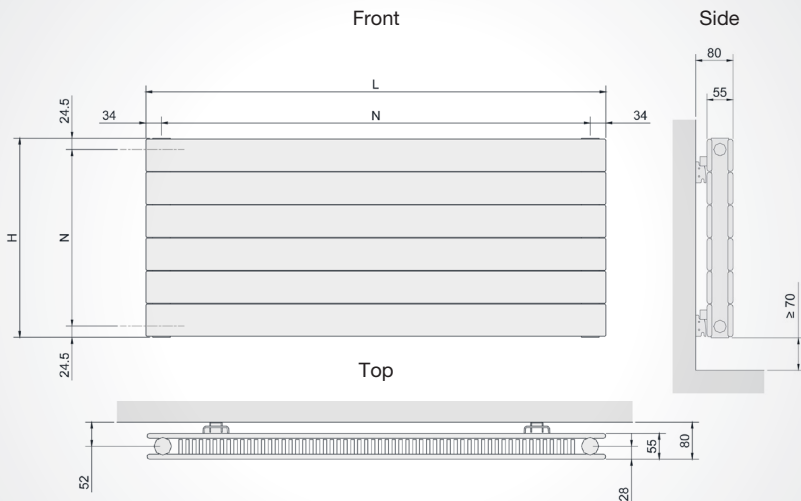


Technical data per 1000 mm

Model	H mm	V dm ³	M kg	Exp. n	Φ _L = ΔT 50 K EN 442 Watt
ZNHH-007	74	0.68	3.39	1.18	197
ZNHH-014	146	1.36	6.54	1.19	360
ZNHH-021	217	2.04	9.69	1.2	444
ZNHH-028	289	2.72	12.84	1.21	551
ZNHH-035	360	3.39	16.00	1.22	651
ZNHH-042	432	4.07	19.15	1.23	762
ZNHH-049	503	4.75	22.30	1.23	870
ZNHH-056	575	5.43	25.45	1.24	977
ZNHH-063	646	6.11	28.61	1.24	1082
ZNHH-070	718	6.79	31.76	1.25	1188
ZNHH-077	789	7.47	34.91	1.25	1291
ZNHH-084	861	8.15	38.07	1.26	1396

Zehnder Nova

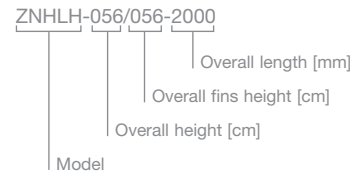
Type ZNHLH horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm
(in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)

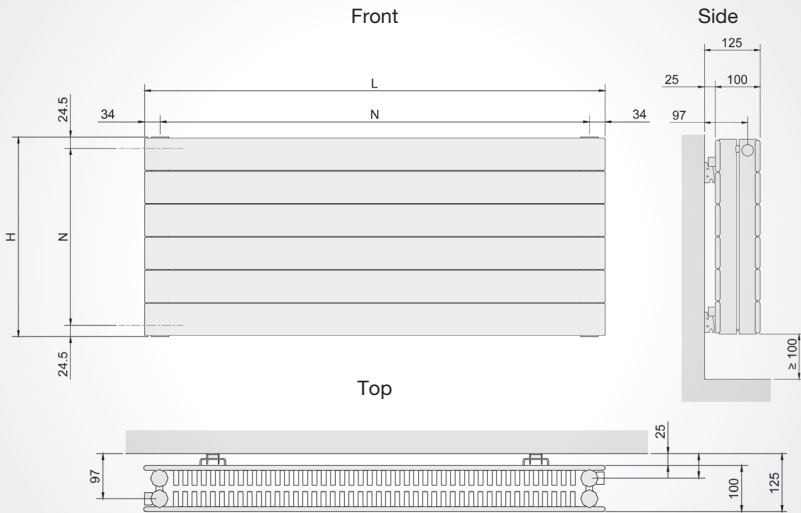


Technical data for overall 1000 mm lengths

Model	H mm	V dm ³	M kg	Exp. n	Φ _L = ΔT 50 K EN 442 Watt
ZNHLH-007/007	74	0.61	3.23	1.22	243
ZNHLH-014/014	146	1.22	6.46	1.24	389
ZNHLH-021/021	217	1.83	10.04	1.25	512
ZNHLH-028/028	289	2.44	13.39	1.26	625
ZNHLH-035/035	360	3.05	16.74	1.28	730
ZNHLH-042/042	432	3.66	16.41	1.26	831
ZNHLH-049/049	503	4.75	29.96	1.33	1051
ZNHLH-056/056	575	5.43	34.27	1.34	1161
ZNHLH-063/056	646	6.11	37.36	1.34	1240
ZNHLH-070/056	718	6.79	40.54	1.33	1317

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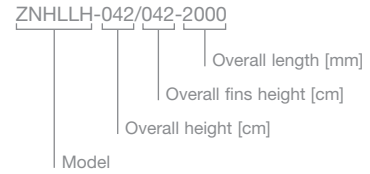
Type ZNHLLH horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm (in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm^3]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)



Location of connections

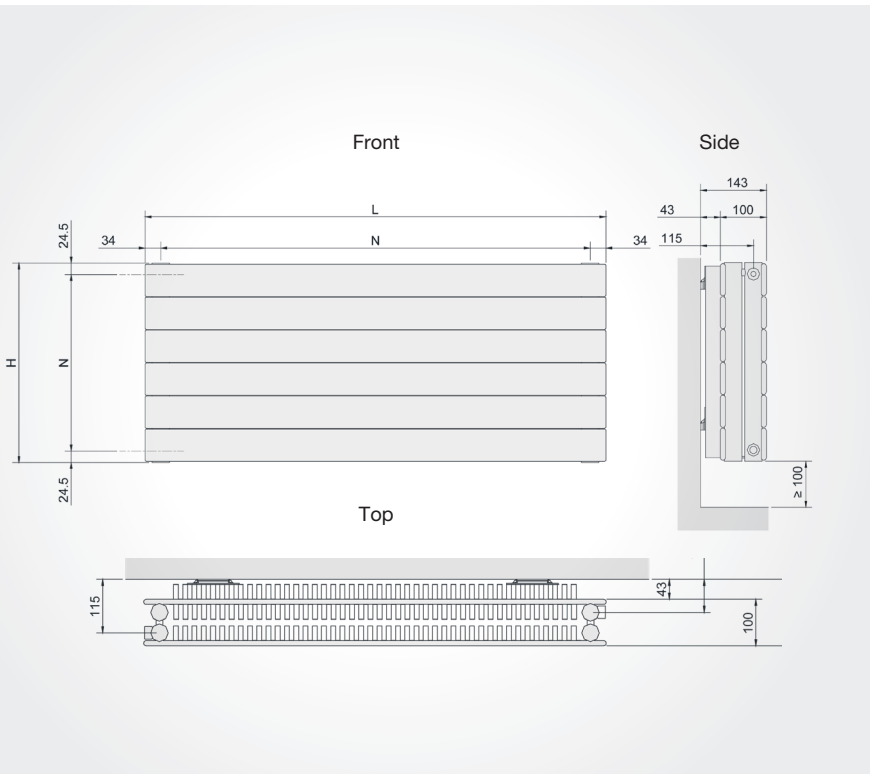
- Standard version
- Flow = front side
- Return = wall side
- Vent/drain = wall side

Technical data for overall 1000 mm lengths

Model	H mm	V dm^3	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNHLLH-007/007	74	1.22	6.00	1.22	426
ZNHLLH-014/014	146	2.44	11.90	1.24	638
ZNHLLH-021/021	217	3.66	18.00	1.25	833
ZNHLLH-028/028	289	4.87	23.80	1.27	1033
ZNHLLH-035/035	360	6.09	29.38	1.28	1240
ZNHLLH-042/042	432	7.31	33.00	1.29	1421
ZNHLLH-049/049	503	8.53	38.50	1.3	1572
ZNHLLH-056/056	575	9.75	43.90	1.31	1708
ZNHLLH-063/056	646	10.97	49.55	1.31	1828
ZNHLLH-070/056	718	12.19	55.20	1.31	1936
ZNHLLH-077/056	789	13.41	58.83	1.31	2031
ZNHLLH-084/056	861	14.63	61.88	1.31	2115

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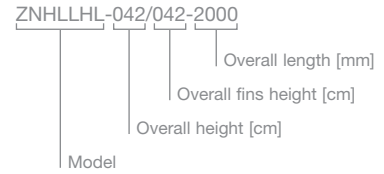
Type ZNHLHL horizontal



- H** = overall height [mm]
- L** = overall length 500 to 6000 mm (in 100 mm increments)
- N** = connection spacing [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

≤ 141 H = Welded-on floor supports recommended

Model description (ordering example)



Location of connections

- Standard version
- Flow = front side
- Return = wall side
- Vent/drain = wall side

Technical data for overall 1000 mm lengths

Model	H mm	V dm ³	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNHLHL-007/007	74	1.22	7.47	1.24	547
ZNHLHL-014/014	146	2.44	14.97	1.25	855
ZNHLHL-021/021	217	3.66	23.02	1.27	1102
ZNHLHL-028/028	289	4.87	30.56	1.28	1321
ZNHLHL-035/035	360	6.09	37.86	1.3	1515
ZNHLHL-042/042	432	7.31	39.53	1.31	1696
ZNHLHL-049/049	503	8.53	46.11	1.32	1861
ZNHLHL-056/056	575	9.75	52.72	1.32	2018
ZNHLHL-063/056	646	10.97	58.31	1.32	2120
ZNHLHL-070/056	718	12.19	63.98	1.32	2215
ZNHLHL-077/056	789	13.41	67.32	1.32	2301
ZNHLHL-084/056	861	14.63	70.66	1.32	2382

Zehnder Nova

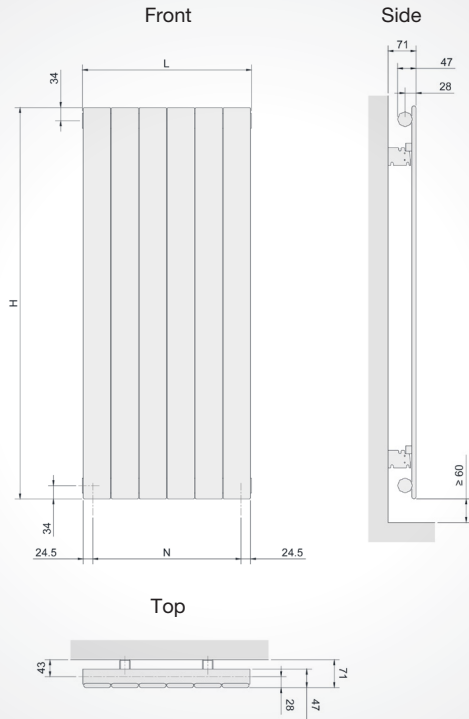
Overall lengths L in mm for vertical panel radiators

Number vertical elements	Model NV	Model NVL60 / NVL80	Model NVL100 / NVL120	Model NVL140 / NVL160	Model NVL180 / NVL200 NVL220 / NVL240
	L= [mm]				
1	74	-	-	-	-
2	145.5	-	-	-	-
3	217				
4	288.5	288.5	288.5	288.5	288.5
5	360	360	360	360	360
6	431.5	431.5	431.5	431.5	431.5
7	503	503	503	503	503
8	574.5	574.5	574.5	574.5	574.5
9	646	646	646	646	646
10	717.5	717.5	717.5	717.5	717.5
11	789	789	789	789	789
12	860.5		860.5	860.5	860.5
13	932		932	932	932
14	1003.5		1003.5	1003.5	1003.5
15	1075		1075	1075	1075
16	1146.5		1146.5	1146.5	1146.5
17	1218		1218	1218	1218
18	1289.5		1289.5	1289.5	1289.5

Overlengths on request

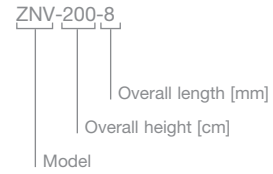
Zehnder Nova

Type ZNV vertical



- H** = overall height [mm]
- L** = overall length 74 to 1718.5 mm
- N** = connection spacing [mm]
- N₁** = connection dimension [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

Model description (ordering example)



Location of connections

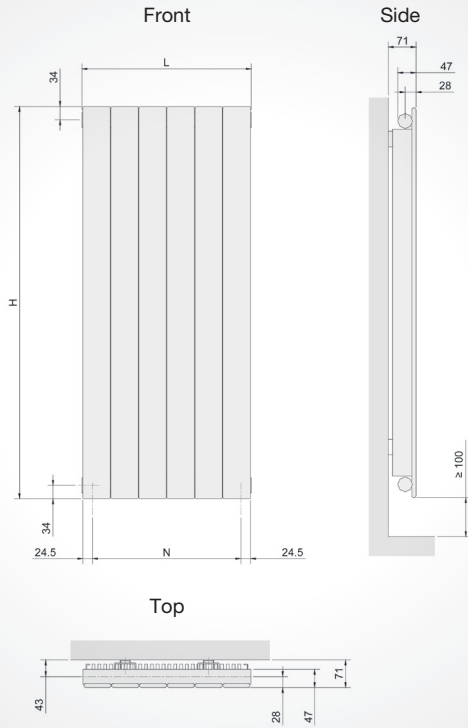
Standard connections $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{3}{4}$ " =
N₁ connection dimension 20 mm

Technical data per flat oval tube

Model	H mm	V dm ³	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNV-060	600	0.39	1.17	1.25	47
ZNV-080	800	0.50	1.48	1.26	60
ZNV-100	1000	0.61	1.78	1.27	73
ZNV-120	1200	0.72	2.09	1.27	86
ZNV-140	1400	0.83	2.39	1.28	99
ZNV-160	1600	0.94	2.70	1.28	112
ZNV-180	1800	1.05	3.01	1.28	125
ZNV-190	1900	1.10	3.16	1.28	131
ZNV-200	2000	1.16	3.32	1.28	138
ZNV-220	2200	1.27	3.62	1.28	152
ZNV-240	2400	1.37	3.93	1.29	165
ZNV-260	2600	1.48	4.23	1.29	179
ZNV-280	2800	1.59	4.54	1.30	194
ZNV-300	3000	1.70	4.85	1.31	205
ZNV-320	3200	1.81	5.15	1.31	219
ZNV-340	3400	1.92	5.45	1.31	234
ZNV-360	3600	2.03	5.76	1.31	248
ZNV-380	3800	2.14	6.07	1.32	263
ZNV-400	4000	2.25	6.38	1.32	278
ZNV-420	4200	2.36	6.68	1.32	293
ZNV-440	4400	2.47	6.99	1.33	308
ZNV-460	4600	2.58	7.29	1.33	324

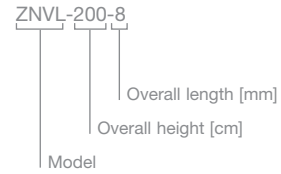
Zehnder Nova

Type ZNVL vertical



- H** = overall height [mm]
- L** = overall length 288.5 to 1289.5 mm
- N** = connection spacing [mm]
- N₁** = connection dimension [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

Model description (ordering example)



Location of connections

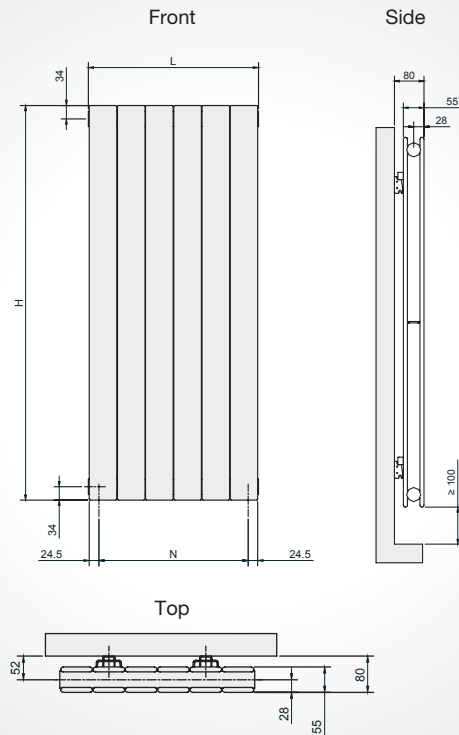
Standard connections $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " =
N₁ connection dimension 20 mm

Technical data per flat oval tube

Model	H mm	V dm ³	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNVL-060	600	0.39	1.27	1.29	70
ZNVL-080	800	0.50	1.58	1.31	88
ZNVL-100	1000	0.61	1.98	1.33	105
ZNVL-120	1200	0.72	2.29	1.34	122
ZNVL-140	1400	0.83	2.69	1.35	137
ZNVL-160	1600	0.94	3.00	1.35	152
ZNVL-180	1800	1.05	3.41	1.35	167
ZNVL-200	2000	1.16	3.72	1.34	180
ZNVL-220	2200	1.27	4.02	1.33	194
ZNVL-240	2400	1.37	4.33	1.32	207

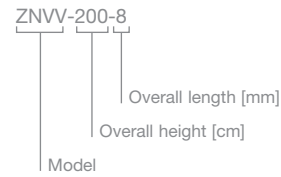
Zehnder Nova

Type ZNVV vertical



- H** = overall height [mm]
- L** = overall length 74 to 1718.5 mm
- N** = connection spacing [mm]
- N₁** = connection dimension [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

Model description (ordering example)



Location of connections

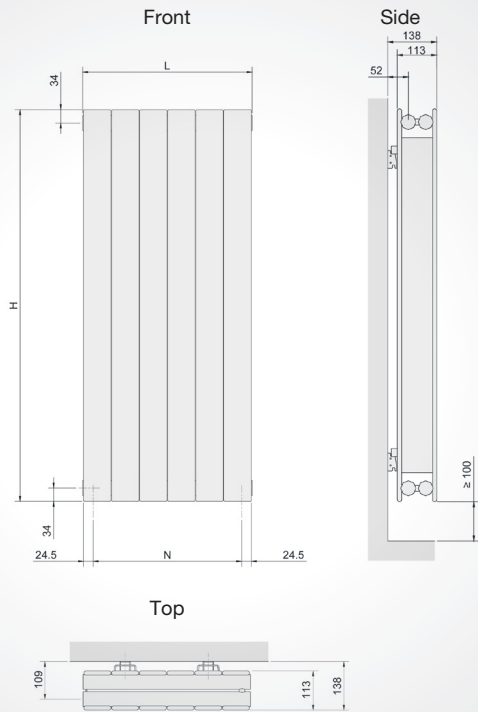
Standard connections $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " =
 N₁ connection dimension 20 mm

Technical data per flat oval tube

Model	H mm	V dm ³	M kg	Exp. n	Φ _L = ΔT 50 K EN 442 Watt
ZNVV-060	600	0.46	2.12	1.30	70
ZNVV-080	800	0.57	2.74	1.32	90
ZNVV-100	1000	0.68	3.35	1.34	109
ZNVV-120	1200	0.79	3.97	1.35	128
ZNVV-140	1400	0.90	4.57	1.37	146
ZNVV-160	1600	1.01	5.19	1.36	164
ZNVV-180	1800	1.11	5.80	1.34	181
ZNVV-200	2000	1.22	6.41	1.33	198
ZNVV-220	2200	1.33	7.02	1.33	215
ZNVV-240	2400	1.44	7.63	1.33	231
ZNVV-260	2600	1.55	8.25	1.33	247
ZNVV-280	2800	1.66	8.86	1.33	263
ZNVV-300	3000	1.77	9.47	1.32	280
ZNVV-320	3200	1.88	10.08	1.32	296
ZNVV-340	3400	1.99	10.69	1.32	311
ZNVV-350	3500	2.05	11.00	1.32	319
ZNVV-360	3600	2.10	11.30	1.32	326
ZNVV-380	3800	2.21	11.92	1.32	341
ZNVV-400	4000	2.32	12.53	1.32	356
ZNVV-420	4200	2.43	13.15	1.32	370
ZNVV-440	4400	2.54	13.76	1.31	385
ZNVV-460	4600	2.65	14.37	1.31	399

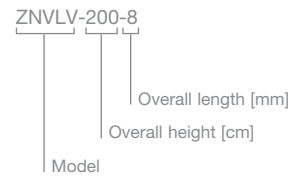
Zehnder Nova

Type ZNVLV vertical



- H** = overall height [mm]
- L** = overall length 288.5 to 1289.5 mm
- N** = connection spacing [mm]
- N₁** = connection dimension [mm]
- V** = water content [dm³]
- M** = dry weight [kg]
- n** = exponent

Model description (ordering example)



Location of connections

Standard connections $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{3}{4}$ " =
N₁ connection dimension 20 mm

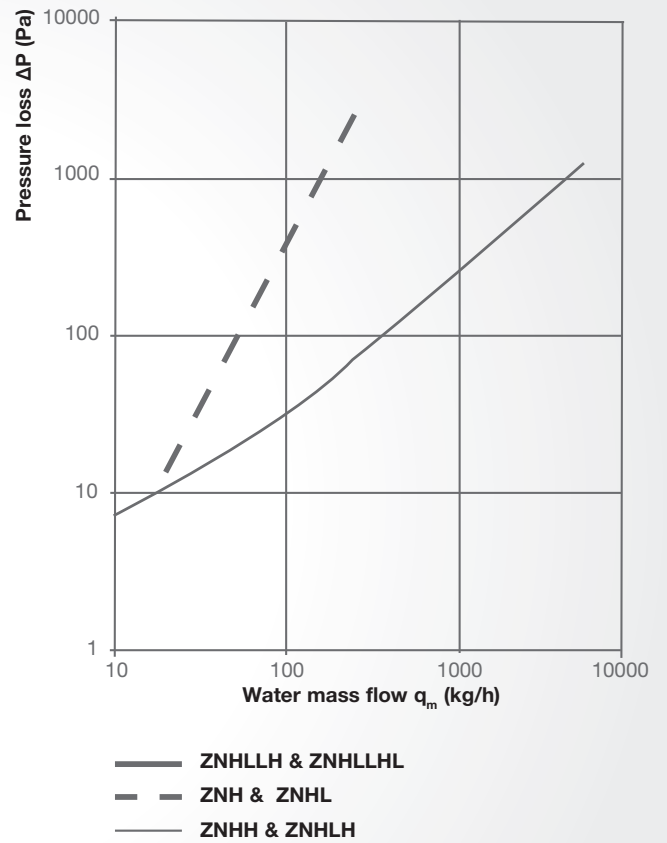
Technical data per flat oval tube

Model	H mm	V dm ³	M kg	Exp. n	$\Phi_L = \Delta T 50$ K EN 442 Watt
ZNVLV-060	600	0.78	2.56	1.34	98
ZNVLV-080	800	1.00	3.07	1.34	124
ZNVLV-100	1000	1.22	3.66	1.34	150
ZNVLV-120	1200	1.44	4.16	1.35	176
ZNVLV-140	1400	1.65	4.75	1.35	202
ZNVLV-160	1600	1.87	5.26	1.36	229
ZNVLV-180	1800	2.09	5.86	1.36	256
ZNVLV-200	2000	2.31	6.37	1.35	276
ZNVLV-220	2200	2.53	6.85	1.34	295
ZNVLV-240	2400	2.75	7.36	1.33	312

Zehnder Nova

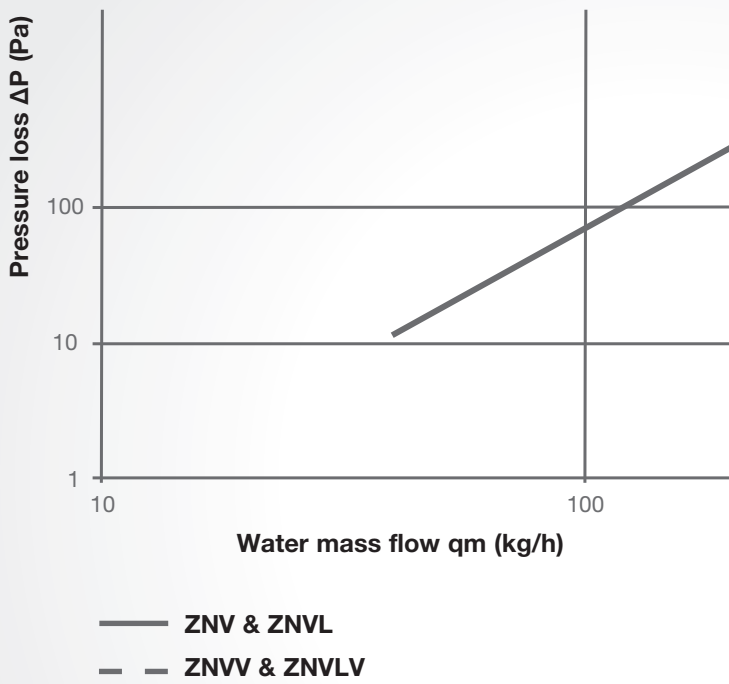
Pressure loss

Water Flow (Kg/h)	ZNH & ZNHL	ZNHH & ZNHLH	ZNHLLH & ZNHLHL
	Pressure loss (Pa)		
10			9
20	14	7	38
30	31	16	84
40	54	28	150
50	85	43	235
60	122	62	338
70	166	85	460
80	217	111	601
90	275	140	760
100	340	173	938
110	411	210	1135
120	489	249	1351
130	574	293	1586
140	666	340	1839
150	764	390	2111
160	870	444	2402
170	982	501	2712
180	1100	561	3040
190	1226	625	3387
200	1359	693	3753
210	1498	764	4138
220	1644	839	4542
230	1797	917	4964
240	1956	998	5405
250	2123	1083	5865
260	2296	1171	
270	2476	1263	
280		1358	
290		1457	
300		1559	
310		1665	
320		1774	
330		1887	
340		2003	
350		2122	



Zehnder Nova

Pressure loss



Water flow (kg/h)	Model	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Pressure loss (Pa)	ZNV & ZNVL	12	18	26	35	46	58	72	87	104	122	141	162	184	208	233	260	288
	ZNVV & ZNVLV	8	13	18	25	33	41	51	62	73	86	100	115	131	147	165	184	204

Zehnder Nova

Connection possibilities

Zehnder Nova panel radiators operate in the forced flow mode and are fitted with the necessary baffles at the factory. They must therefore be connected as ordered in accordance with the following drawings.

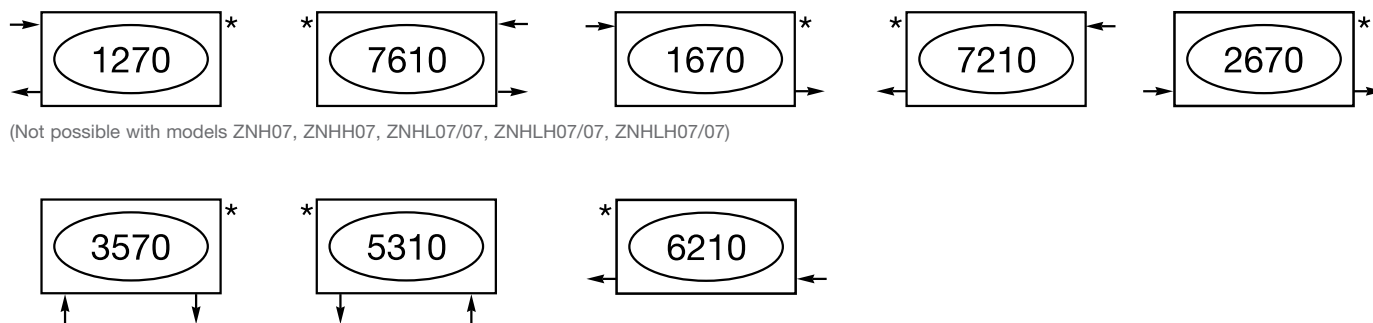
Normal connections when used with single entry connections (price supplement)

Technical data concerning the operation of the panel radiators with various valve types will be supplied on request.

Connections when used with two-pipe systems

Types horizontal

Standard connections $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{3}{4}$ " :



* vent mandatory

◆ price supplement

Zehnder Nova

Locations of connections on double panel radiators

Standard configuration (see drawings)

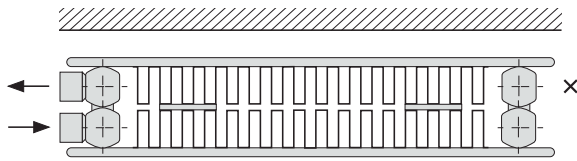
flow = front side

return = wall side

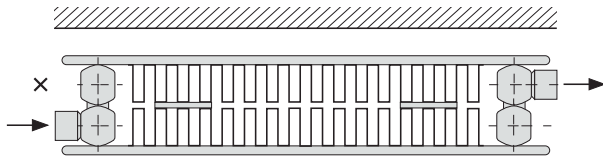
vent/drain (x) = wall side

Types ZNHLH and ZNHLHL

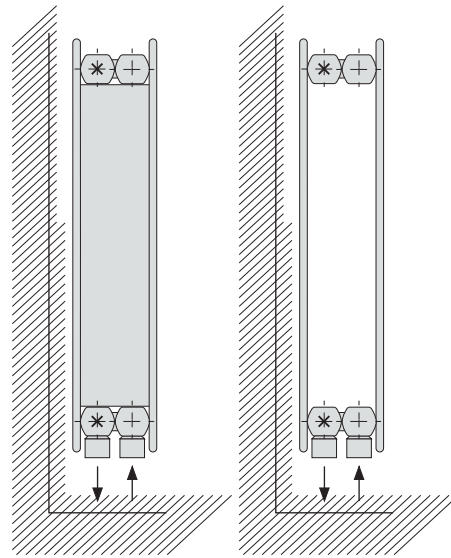
Connections on same end:



Connections on opposite ends:

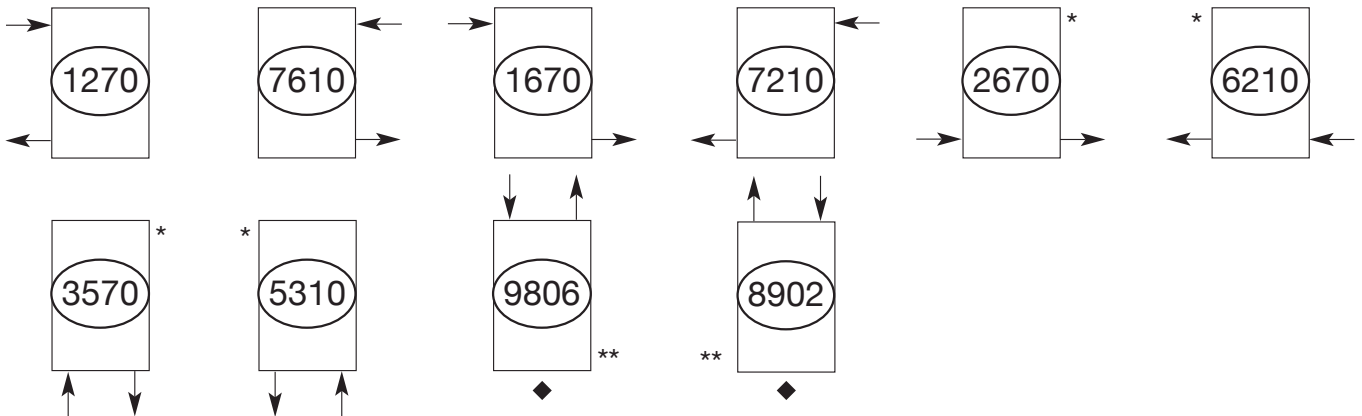


Type ZNVLV



Types vertical

Standard connections $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{3}{4}$ " :



* Vent mandatory

** Drain mandatory

♦ Price supplement

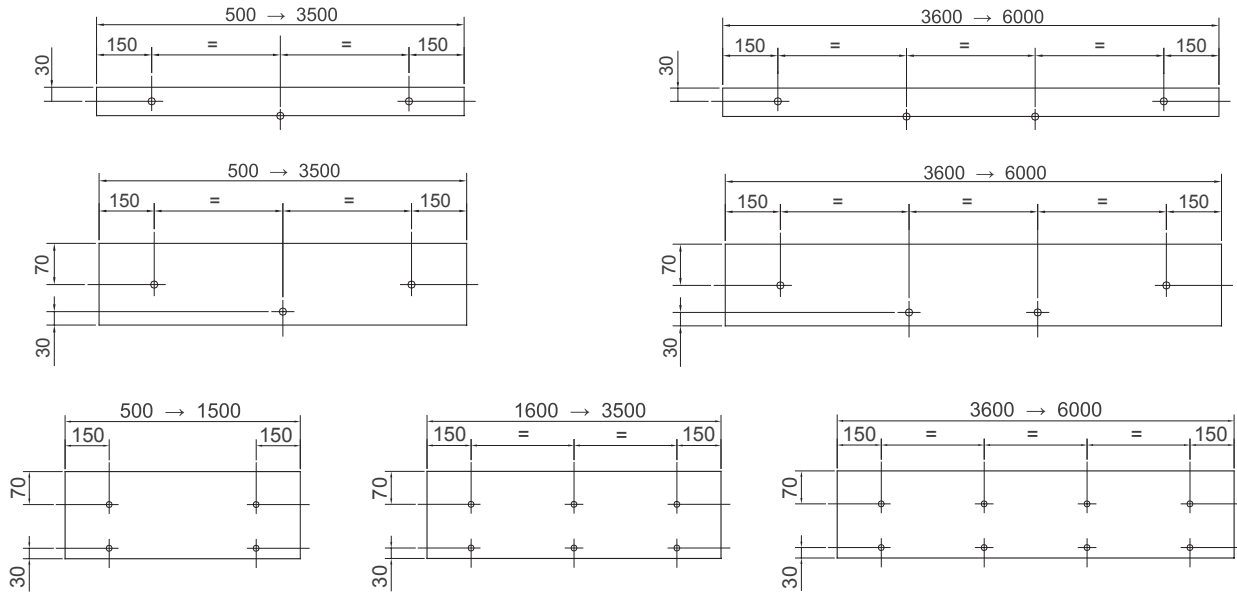
Zehnder Nova

Types ZNH, ZNHH, ZNHLH, ZNHLLH

Horizontal configuration (standard)

Drawing: view from the rear (dimensions in mm, tolerances of fixing points ± 5 mm)

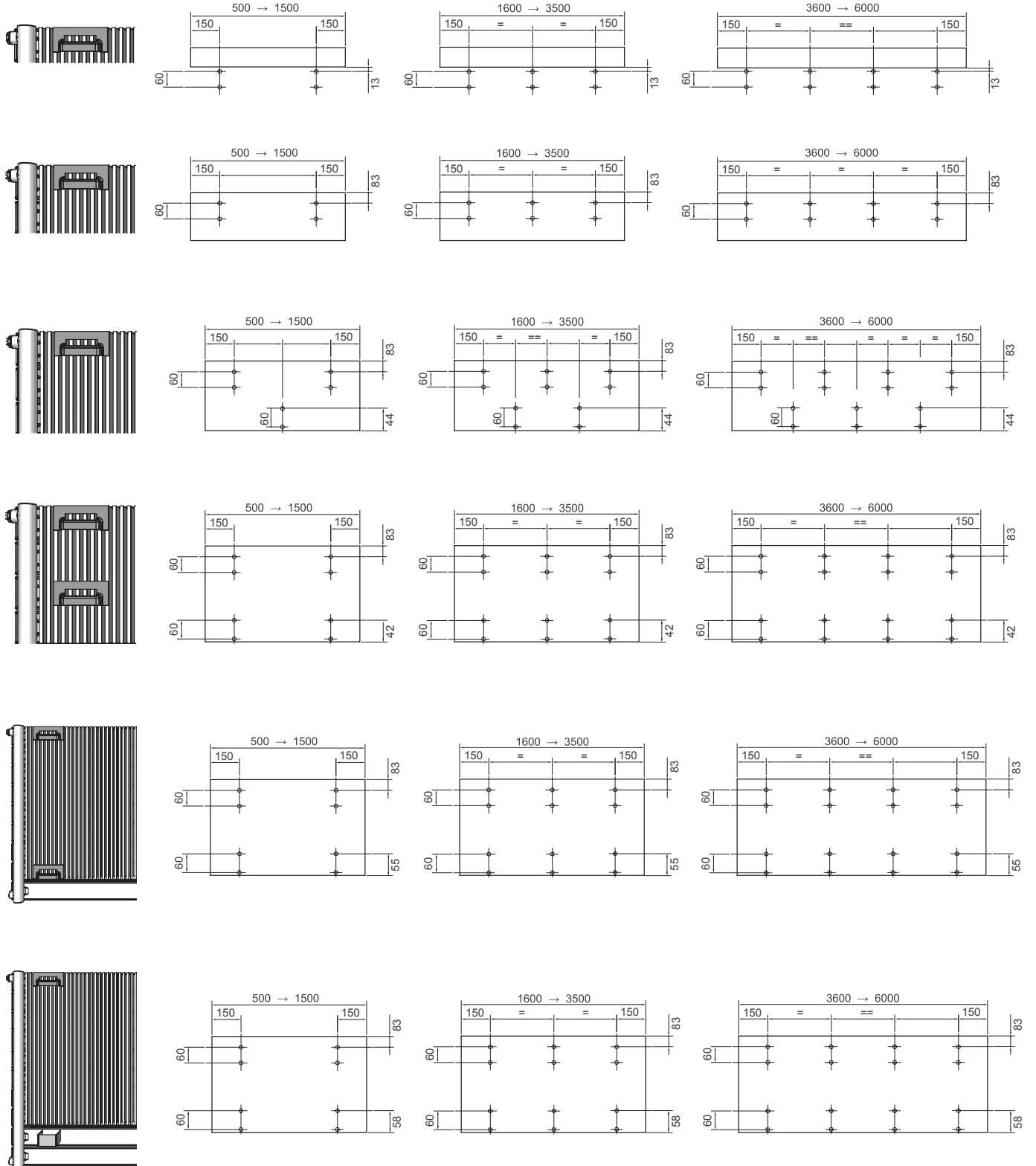
Types ZNH, ZNHH, ZNHLH, ZNHLLH



Zehnder Nova

Types ZNHL, ZNHLHL

Types ZNHL, ZNHLHL



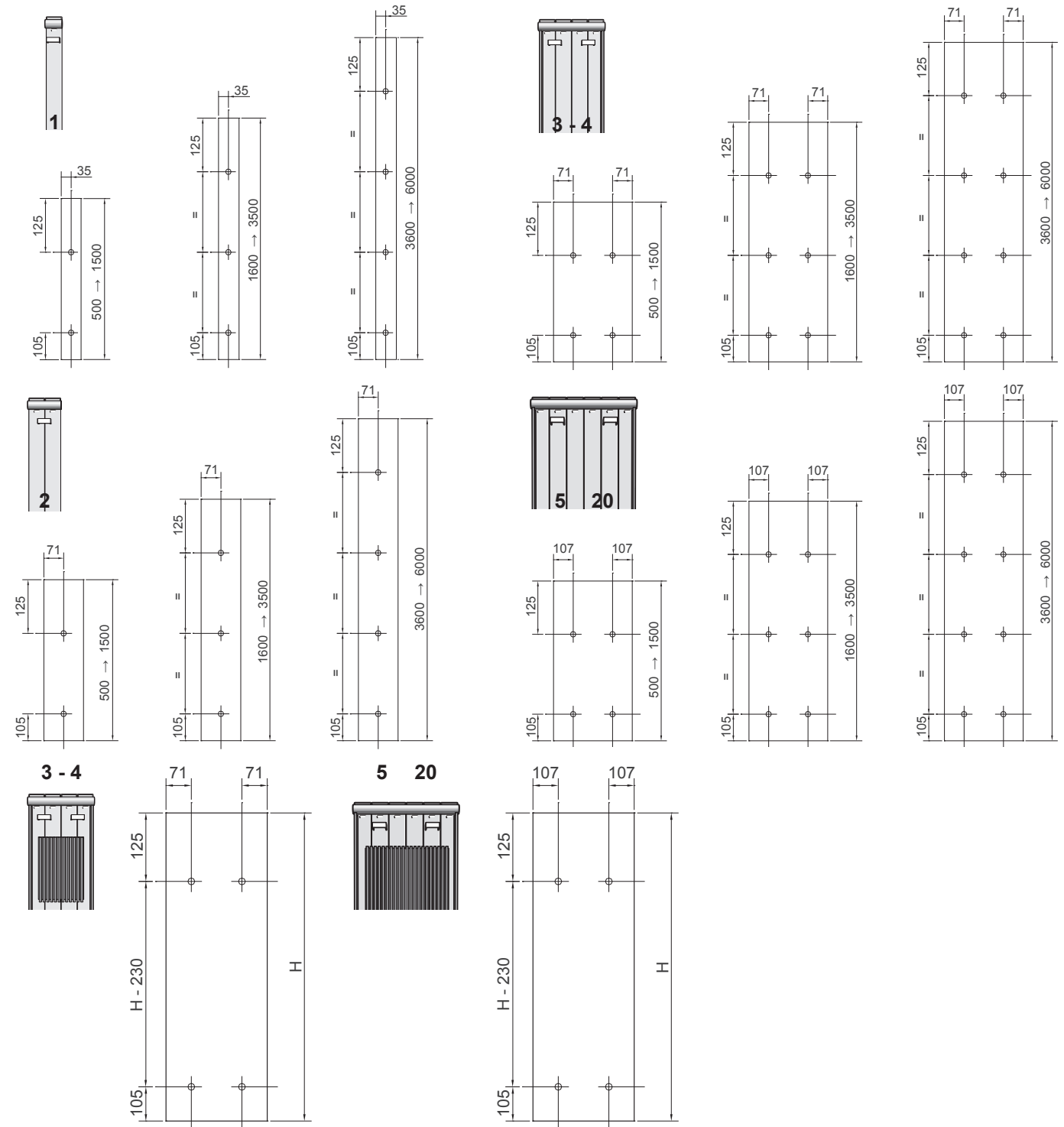
Zehnder Nova

Vertical

Vertical configuration (standard)

Drawing: view from the rear (dimensions in mm)

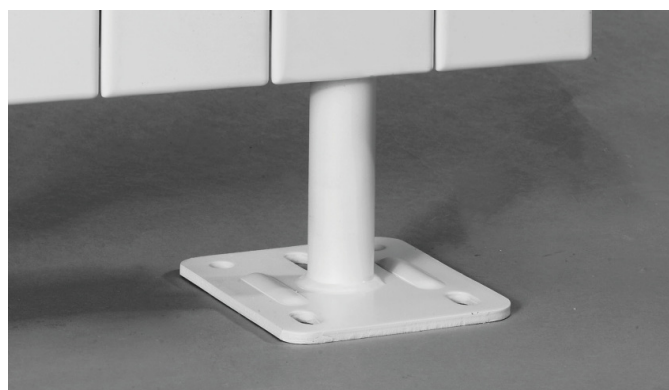
Types ZNV, ZNVV, ZNVLV



Zehnder Nova

Radiator feet

A special version is also available with welded on support legs. The leg assemblies must be ordered together with the radiators. The various ordering codes are listed below.



From a stability point of view, welded on feet are suitable for a free-standing Zehnder Nova assembly of up to around 600 mm. The floor characteristics and the radiator dimensions influence the stability of the construction.

In case of more demanding requirements, an upper fixation must be fitted.

Fixed tubular foot

Version: 34 mm ø tube welded onto base plate 120 x 70 x 5 mm, matching the radiator's colours

Application: For all **Zehnder Novas**

Description	Distance from floor mm	Order code
Fixed tubular foot	100	FR100
Fixed tubular foot	200	FR120
Fixed tubular foot	Special dimension	FRCUS

Fixed tubular foot

Version: 38 mm ø sleeve, L = 105 mm, welded onto radiator, clamp screws to the rear, 34mm ø tube, welded onto base plate 120 x 70 x 5 mm, delivered loose. Matching radiator's colours.

Application: For all **Zehnder Novas**

Description	Distance from floor mm	Order code
Adjustable tubular foot	120-170	FR170
Adjustable tubular foot	150-200	FR200
Adjustable tubular foot	200-250	FR250

Base plate cover

As a cover for the base plate, dimensions 125 x 75 x 20 mm, made of painted steel. The foot opening is recessed to the rear, allowing the option of mounting later.

Foot cover for tubular foot with base plate 120 x 70 mm

Designation	Description	Art. N° RAL 9016	Art. N° Special colour
Cover	Single unit 123 x 73 x 20	976481	976489

Zehnder Nova

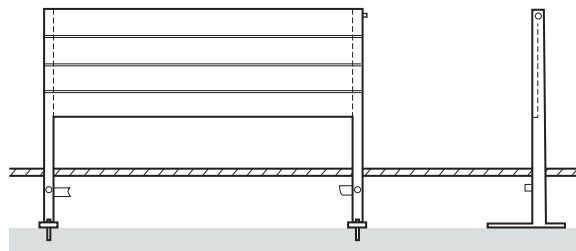
RAF panel radiators / RAF connections

RAF panel radiators

This type of radiator has been developed to blend with modern building methods. All fixing, pipe and valve connections can be concealed under the raised access floor. Only the functional panel radiator and the two headers are visible. These smooth lines make it easy to clean and very attractive, particularly if it is free standing in front of glazing.

This range of radiators has been developed with the designer in mind. There are a number of variations to the basic model that can be selected, enabling the radiator to fit into the design and function of the building.

RAF panel radiators are also available for wall fixing with standard brackets, and without base plates on the extended headers.



RAF (Raised Access Floor) connections

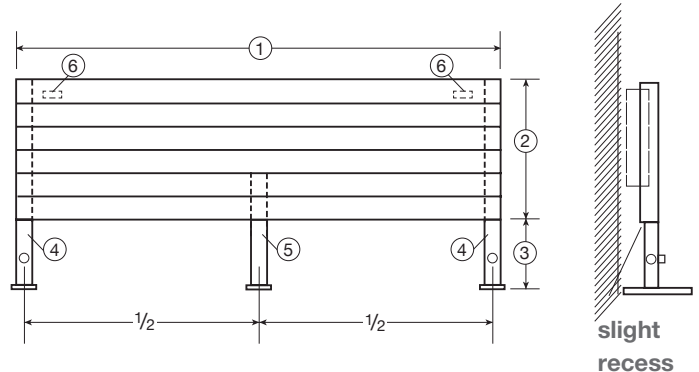
Extended header tube (38 mm diameter) with floor fixing base plate.

Recommended position of connections:

Inner or outer surface of extended header, with connections not higher than 35 mm from the base, to avoid deadwater area at base of feet. Connections higher than 35 mm above base plate available at extra cost. Connections on front or back face of extended header available at extra cost.

For radiator greater than 1500 mm long, additional (adjustable) feet will be required.

Please note: The alignment of the additional intermediate feet will differ from the extended header RAF feet.



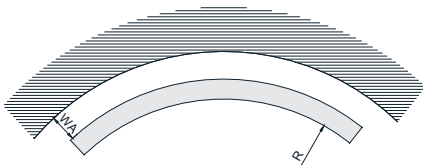
- 1 Length: 500 mm to maximum of 3000 mm
- 2 Height: 70 mm to maximum of 700 mm
- 3 Height of RAF feet: Maximum of 500 mm
- 4 Extended headers: 38 mm diameter
- 5 Base Plate: 120 x 70 x 5 mm
- 6 Panels with heights of 420 mm to 700 mm need 2 additional wall brackets at the top (refer to catalogue)

Zehnder Nova

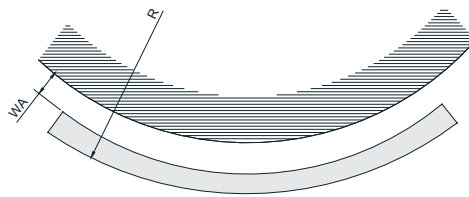
Special Versions

Curved configurations

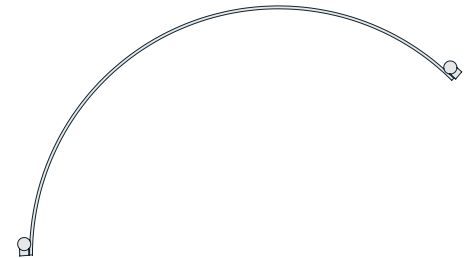
Inside radius $R^{\min.} = 3700$ mm,
 Outside radius $R^{\min.} = 3700$ mm
 (available on ZNH model only)
 Please supply drawing with order.



Inside radius

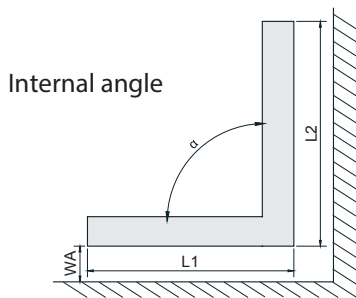
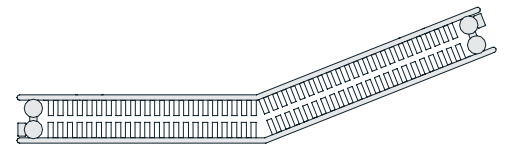


Outside radius



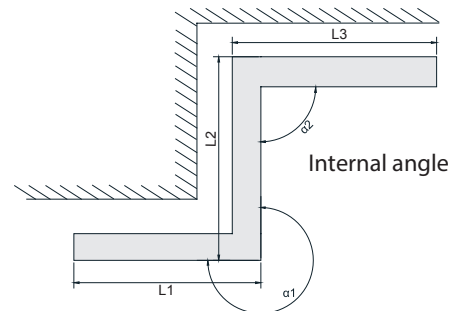
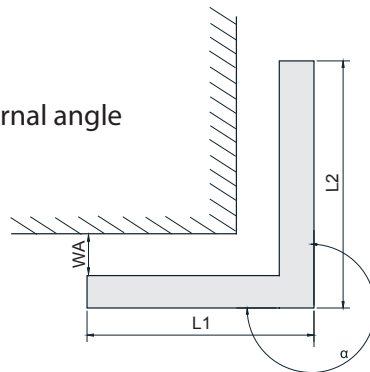
Angled configurations

Panel radiators with several angles can be supplied
 (max. 3 or 4 angles, available for all models). Please supply
 drawing with order.



Internal angle

External angle



Internal angle

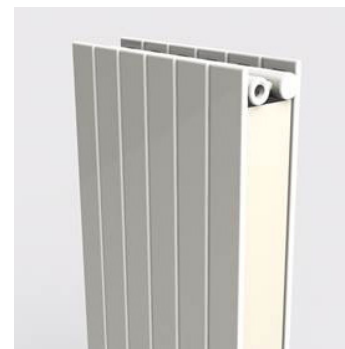
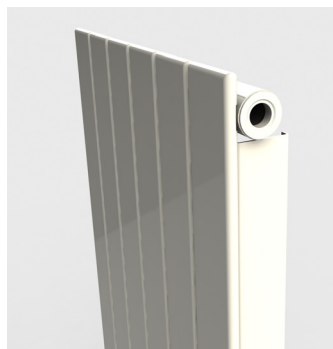
External angle

Cover grilles and lateral cover plates

Cover grilles can be supplied for horizontal models ZNHL,
 ZNHLH and ZNLLH. Lateral cover plates can be supplied
 for all vertical models.



Cover grilles









Lateral cover plates are either welded on or inserted with
 spring clips (dependant on model).

HK	= Panel radiator
WA	= Distance from wall [mm]
R	= Wall radius [mm]
$\alpha, \alpha_1, \alpha_2$	= Wall angles [°]
L1, L2, L3	= Length [mm]







Zehnder Nova

Overall height = 74 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																		
Model	ZNH 007			ZNHL 0070/07			ZNHH 007/007			ZNHLH 007/007			ZNHLLH 007/007			ZNHLLHL 007/007		
T mm	47			60			55			55			100			132		
H mm	74			74			74			74			74			74		
H Lam mm	-			64			-			64			64			64		
Exp. N	1.2			1.22			1.18			1.24			1.22			1.24		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	29	53	61	65	122	140	54	99	113	68	129	148	114	213	245	145	274	315
600	34	64	73	78	146	167	65	118	135	82	155	178	137	256	293	174	328	378
700	40	74	85	91	170	195	75	138	158	96	181	208	160	298	342	203	383	441
800	46	85	97	104	194	223	86	158	180	110	206	238	183	341	391	232	438	504
900	52	95	109	117	219	251	97	177	203	123	232	267	206	383	440	261	492	567
900	95	109	118	175	200	218	161	185	202	237	272	297	338	388	422	407	466	506
1000	57	106	121	130	243	279	108	197	225	137	258	297	228	426	489	290	547	630
1100	63	117	134	143	267	307	119	217	248	151	284	327	251	469	538	319	602	692
1200	69	127	146	156	292	335	129	236	270	164	310	356	274	511	587	348	656	755
1300	75	138	158	169	316	363	140	256	293	178	335	386	297	554	636	377	711	818
1400	80	148	170	182	340	391	151	276	315	192	361	416	320	596	685	406	766	881
1500	86	159	182	195	365	419	162	296	338	205	387	445	343	639	734	435	821	944
1600	92	170	194	208	389	446	173	315	360	219	413	475	365	682	783	465	875	1,007
1700	98	180	206	222	413	474	183	335	383	233	439	505	388	724	832	494	930	1,070
1800	103	191	219	235	437	502	194	355	405	246	464	534	411	767	880	523	985	1,133
1900	109	201	231	248	462	530	205	374	428	260	490	564	434	809	929	552	1,039	1,196
2000	115	212	243	261	486	558	216	394	450	274	516	594	457	852	978	581	1,094	1,259
2200	126	233	267	287	535	614	237	433	495	301	568	653	503	937	1,076	639	1,203	1,385
2400	138	254	291	313	583	670	259	473	540	329	619	713	548	1,022	1,174	697	1,313	1,511
2600	149	276	316	339	632	725	280	512	585	356	671	772	594	1,108	1,272	755	1,422	1,637
2800	161	297	340	365	680	781	302	552	631	383	722	831	640	1,193	1,370	813	1,532	1,763
3000	172	318	364	391	729	837	323	591	676	411	774	891	685	1,278	1,467	871	1,641	1,889
3200	184	339	389	417	778	893	345	630	721	438	826	950	731	1,363	1,565	929	1,750	2,015
3400	195	360	413	443	826	949	367	670	766	466	877	1,010	777	1,448	1,663	987	1,860	2,140
3600	207	382	437	469	875	1,005	388	709	811	493	929	1,069	822	1,534	1,761	1,045	1,969	2,266
3800	218	403	461	495	923	1,060	410	749	856	520	980	1,128	868	1,619	1,859	1,103	2,079	2,392
4000	230	424	486	521	972	1,116	431	788	901	548	1,032	1,188	914	1,704	1,957	1,161	2,188	2,518
4200	241	445	510	547	1,021	1,172	453	827	946	575	1,084	1,247	959	1,789	2,054	1,219	2,297	2,644
4400	253	466	534	573	1,069	1,228	474	867	991	603	1,135	1,306	1,005	1,874	2,152	1,277	2,407	2,770
4600	264	488	559	599	1,118	1,284	496	906	1,036	630	1,187	1,366	1,051	1,960	2,250	1,336	2,516	2,896
4800	276	509	583	625	1,166	1,339	518	946	1,081	657	1,238	1,425	1,096	2,045	2,348	1,394	2,626	3,022
5000	287	530	607	652	1,215	1,395	539	985	1,126	685	1,290	1,485	1,142	2,130	2,446	1,452	2,735	3,148
5200	299	551	631	678	1,264	1,451	561	1,024	1,171	712	1,342	1,544	1,188	2,215	2,544	1,510	2,844	3,274
5400	310	572	656	704	1,312	1,507	582	1,064	1,216	739	1,393	1,603	1,234	2,300	2,641	1,568	2,954	3,399
5600	322	594	680	730	1,361	1,563	604	1,103	1,261	767	1,445	1,663	1,279	2,386	2,739	1,626	3,063	3,525
5800	333	615	704	756	1,409	1,618	625	1,143	1,306	794	1,496	1,722	1,325	2,471	2,837	1,684	3,173	3,651
6000	345	636	729	782	1,458	1,674	647	1,182	1,351	822	1,548	1,782	1,371	2,556	2,935	1,742	3,282	3,777







Zehnder Nova

Overall height = 146 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																		
Model	ZNH 014			ZNHL 014/014			ZNHH 014			ZNHLH 014/014			ZNHLLH 104/014			ZNHLLHL 014/014		
T mm	47			60			55			55			100			132		
H mm	146			146			146			146			146			146		
H Lam mm	-			122			-			122			122			122		
Exp. N	1.23			1.24			1.19			1.25			1.24			1.25		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	51	96	110	103	195	224	98	180	206	114	217	249	169	319	367	226	428	493
600	61	115	132	124	233	269	118	216	247	137	260	299	203	383	441	271	513	591
700	72	134	155	145	272	313	137	252	288	160	303	349	237	447	514	316	599	690
800	82	154	177	165	311	358	157	288	330	183	346	399	271	510	587	361	684	788
900	92	173	199	186	350	403	176	324	371	206	390	449	305	574	661	406	770	887
1000	102	192	221	206	389	448	196	360	412	229	433	499	339	638	734	451	855	985
1100	113	211	243	227	428	492	216	396	453	252	476	549	372	702	808	497	941	1,084
1200	123	230	265	248	467	537	235	432	494	274	520	599	406	766	881	542	1,026	1,182
1300	133	250	287	268	506	582	255	468	536	297	563	649	440	829	955	587	1,112	1,281
1400	143	269	309	289	545	627	274	504	577	320	606	698	474	893	1,028	632	1,197	1,379
1500	154	288	331	310	584	672	294	540	618	343	650	748	508	957	1,101	677	1,283	1,478
1600	164	307	353	330	622	716	314	576	659	366	693	798	542	1,021	1,175	722	1,368	1,576
1700	174	326	375	351	661	761	333	612	700	389	736	848	576	1,085	1,248	768	1,454	1,675
1800	184	346	397	372	700	806	353	648	742	412	779	898	610	1,148	1,322	813	1,539	1,773
1900	195	365	419	392	739	851	372	684	783	434	823	948	643	1,212	1,395	858	1,625	1,872
2000	205	384	441	413	778	895	392	720	824	457	866	998	677	1,276	1,469	903	1,710	1,970
2200	225	422	486	454	856	985	431	792	906	503	953	1,098	745	1,404	1,615	993	1,881	2,167
2400	246	461	530	496	934	1,074	470	864	989	549	1,039	1,197	813	1,531	1,762	1,084	2,052	2,364
2600	266	499	574	537	1,011	1,164	510	936	1,071	594	1,126	1,297	880	1,659	1,909	1,174	2,223	2,561
2800	287	538	618	578	1,089	1,254	549	1,008	1,154	640	1,212	1,397	948	1,786	2,056	1,264	2,394	2,758
3000	307	576	662	619	1,167	1,343	588	1,080	1,236	686	1,299	1,497	1,016	1,914	2,203	1,354	2,565	2,955
3200	328	614	706	661	1,245	1,433	627	1,152	1,318	732	1,386	1,596	1,084	2,042	2,350	1,445	2,736	3,152
3400	348	653	750	702	1,323	1,522	666	1,224	1,401	777	1,472	1,696	1,151	2,169	2,496	1,535	2,907	3,349
3600	369	691	795	743	1,400	1,612	706	1,296	1,483	823	1,559	1,796	1,219	2,297	2,643	1,625	3,078	3,546
3800	389	730	839	785	1,478	1,701	745	1,368	1,566	869	1,645	1,896	1,287	2,424	2,790	1,716	3,249	3,743
4000	410	768	883	826	1,556	1,791	784	1,440	1,648	915	1,732	1,996	1,355	2,552	2,937	1,806	3,420	3,940
4200	430	806	927	867	1,634	1,880	823	1,512	1,730	960	1,819	2,095	1,422	2,680	3,084	1,896	3,591	4,137
4400	451	845	971	908	1,712	1,970	862	1,584	1,813	1,006	1,905	2,195	1,490	2,807	3,231	1,987	3,762	4,335
4600	471	883	1,015	950	1,789	2,059	902	1,656	1,895	1,052	1,992	2,295	1,558	2,935	3,378	2,077	3,933	4,532
4800	492	922	1,059	991	1,867	2,149	941	1,728	1,977	1,098	2,078	2,395	1,625	3,062	3,524	2,167	4,104	4,729
5000	512	960	1,104	1,032	1,945	2,238	980	1,800	2,060	1,143	2,165	2,494	1,693	3,190	3,671	2,257	4,275	4,926
5200	533	998	1,148	1,074	2,023	2,328	1,019	1,872	2,142	1,189	2,252	2,594	1,761	3,318	3,818	2,348	4,446	5,123
5400	553	1,037	1,192	1,115	2,101	2,418	1,059	1,944	2,225	1,235	2,338	2,694	1,829	3,445	3,965	2,438	4,617	5,320
5600	574	1,075	1,236	1,156	2,178	2,507	1,098	2,016	2,307	1,280	2,425	2,794	1,896	3,573	4,112	2,528	4,788	5,517
5800	594	1,114	1,280	1,198	2,256	2,597	1,137	2,088	2,389	1,326	2,511	2,894	1,964	3,700	4,259	2,619	4,959	5,714
6000	615	1,152	1,324	1,239	2,334	2,686	1,176	2,160	2,472	1,372	2,598	2,993	2,032	3,828	4,406	2,709	5,130	5,911







Zehnder Nova

Overall height = 217 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 021			ZNHL 021/021			ZNHH 021			ZNHLH 021/021			ZNHLLH 021/021			ZNHLLHL 021/021		
T mm	47			47			55			55			100			132		
H mm	217			217			217			217			217			217		
H Lam mm	-			196			-			196			196			196		
Exp. N	1.26			1.25			1.2			1.27			1.25			1.27		
Length	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
500	71	136	157	135	256	295	120	222	254	152	292	337	220	417	480	288	551	636
600	86	163	188	162	307	354	144	266	305	183	350	404	264	500	576	346	661	764
700	100	190	220	189	358	413	168	311	356	213	408	471	308	583	672	403	771	891
800	114	218	251	216	410	472	192	355	407	244	466	539	352	666	768	461	882	1,018
900	129	245	282	243	461	531	216	400	458	274	525	606	396	750	864	518	992	1,145
1000	143	272	314	270	512	590	241	444	509	305	583	673	440	833	960	576	1,102	1,273
1100	157	299	345	297	563	649	265	488	560	335	641	741	484	916	1,056	634	1,212	1,400
1200	171	326	376	324	614	708	289	533	610	366	700	808	528	1,000	1,152	691	1,322	1,527
1300	186	354	408	351	666	767	313	577	661	396	758	875	572	1,083	1,248	749	1,433	1,654
1400	200	381	439	379	717	826	337	622	712	427	816	943	616	1,166	1,344	806	1,543	1,782
1500	214	408	471	406	768	885	361	666	763	457	875	1,010	660	1,250	1,440	864	1,653	1,909
1600	229	435	502	433	819	944	385	710	814	488	933	1,077	704	1,333	1,536	922	1,763	2,036
1700	243	462	533	460	870	1,003	409	755	865	518	991	1,145	748	1,416	1,632	979	1,873	2,163
1800	257	490	565	487	922	1,062	433	799	916	549	1,049	1,212	792	1,499	1,728	1,037	1,984	2,291
1900	272	517	596	514	973	1,121	457	844	966	579	1,108	1,279	836	1,583	1,824	1,094	2,094	2,418
2000	286	544	627	541	1,024	1,180	481	888	1,017	609	1,166	1,346	880	1,666	1,920	1,152	2,204	2,545
2200	314	598	690	595	1,126	1,298	529	977	1,119	670	1,283	1,481	968	1,833	2,111	1,267	2,424	2,800
2400	343	653	753	649	1,229	1,416	577	1,066	1,221	731	1,399	1,616	1,056	1,999	2,303	1,382	2,645	3,054
2600	372	707	816	703	1,331	1,534	625	1,154	1,323	792	1,516	1,750	1,144	2,166	2,495	1,498	2,865	3,309
2800	400	762	878	757	1,434	1,652	673	1,243	1,424	853	1,632	1,885	1,232	2,332	2,687	1,613	3,086	3,563
3000	429	816	941	811	1,536	1,770	722	1,332	1,526	914	1,749	2,020	1,320	2,499	2,879	1,728	3,306	3,818
3200	457	870	1,004	865	1,638	1,888	770	1,421	1,628	975	1,866	2,154	1,408	2,666	3,071	1,843	3,526	4,072
3400	486	925	1,067	919	1,741	2,006	818	1,510	1,730	1,036	1,982	2,289	1,496	2,832	3,263	1,958	3,747	4,327
3600	514	979	1,129	973	1,843	2,124	866	1,598	1,831	1,097	2,099	2,424	1,584	2,999	3,455	2,074	3,967	4,581
3800	543	1,034	1,192	1,027	1,946	2,242	914	1,687	1,933	1,158	2,215	2,558	1,672	3,165	3,647	2,189	4,188	4,836
4000	572	1,088	1,255	1,081	2,048	2,360	962	1,776	2,035	1,219	2,332	2,693	1,760	3,332	3,839	2,304	4,408	5,090
4200	600	1,142	1,318	1,136	2,150	2,478	1,010	1,865	2,136	1,280	2,449	2,828	1,847	3,499	4,031	2,419	4,628	5,345
4400	629	1,197	1,380	1,190	2,253	2,596	1,058	1,954	2,238	1,341	2,565	2,962	1,935	3,665	4,223	2,534	4,849	5,599
4600	657	1,251	1,443	1,244	2,355	2,714	1,106	2,042	2,340	1,402	2,682	3,097	2,023	3,832	4,415	2,650	5,069	5,854
4800	686	1,306	1,506	1,298	2,458	2,832	1,155	2,131	2,442	1,463	2,798	3,232	2,111	3,998	4,607	2,765	5,290	6,108
5000	715	1,360	1,569	1,352	2,560	2,950	1,203	2,220	2,543	1,524	2,915	3,366	2,199	4,165	4,799	2,880	5,510	6,363
5200	743	1,414	1,631	1,406	2,662	3,068	1,251	2,309	2,645	1,585	3,032	3,501	2,287	4,332	4,991	2,995	5,730	6,617
5400	772	1,469	1,694	1,460	2,765	3,186	1,299	2,398	2,747	1,646	3,148	3,636	2,375	4,498	5,183	3,110	5,951	6,872
5600	800	1,523	1,757	1,514	2,867	3,304	1,347	2,486	2,849	1,707	3,265	3,770	2,463	4,665	5,375	3,226	6,171	7,127
5800	829	1,578	1,820	1,568	2,970	3,422	1,395	2,575	2,950	1,767	3,381	3,905	2,551	4,831	5,567	3,341	6,392	7,381
6000	857	1,632	1,882	1,622	3,072	3,540	1,443	2,664	3,052	1,828	3,498	4,039	2,639	4,998	5,759	3,456	6,612	7,636







Zehnder Nova

Overall height = 289 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 028			ZNHL 028/028			ZNHH 028			ZNHLH 028/028			ZNHLLH 028/028			ZNHLLHL 028/028		
T mm	47			60			59			55			100			132		
H mm	289			289			289			289			289			289		
H Lam mm	-			270			-			270			270			270		
Exp. N	1.24			1.26			1.21			1.29			1.27			1.28		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	92	174	200	164	313	360	148	276	316	185	358	414	270	517	596	343	661	764
600	111	209	240	197	375	433	178	331	379	222	429	497	324	620	716	412	793	916
700	129	244	280	230	438	505	208	386	442	259	501	579	378	723	835	481	925	1,069
800	148	278	320	263	500	577	238	441	506	296	572	662	432	826	954	550	1,057	1,222
900	166	313	360	296	563	649	267	496	569	333	644	745	486	930	1,074	618	1,189	1,374
1000	185	348	401	328	625	721	297	551	632	370	715	828	540	1,033	1,193	687	1,321	1,527
1100	203	383	441	361	688	793	327	606	695	407	787	910	594	1,136	1,312	756	1,453	1,680
1200	222	418	481	394	750	865	356	661	758	444	858	993	648	1,240	1,431	824	1,585	1,833
1300	240	452	521	427	813	937	386	716	822	481	930	1,076	702	1,343	1,551	893	1,717	1,985
1400	259	487	561	460	875	1,009	416	771	885	518	1,001	1,159	756	1,446	1,670	962	1,849	2,138
1500	277	522	601	493	938	1,081	445	827	948	555	1,073	1,241	810	1,550	1,789	1,030	1,982	2,291
1600	296	557	641	525	1,000	1,153	475	882	1,011	592	1,144	1,324	864	1,653	1,909	1,099	2,114	2,444
1700	314	592	681	558	1,063	1,226	505	937	1,074	629	1,216	1,407	918	1,756	2,028	1,168	2,246	2,596
1800	332	626	721	591	1,125	1,298	535	992	1,138	666	1,287	1,490	972	1,859	2,147	1,237	2,378	2,749
1900	351	661	761	624	1,188	1,370	564	1,047	1,201	703	1,359	1,572	1,026	1,963	2,267	1,305	2,510	2,902
2000	369	696	801	657	1,250	1,442	594	1,102	1,264	740	1,430	1,655	1,080	2,066	2,386	1,374	2,642	3,054
2200	406	766	881	722	1,375	1,586	653	1,212	1,390	814	1,573	1,821	1,188	2,273	2,624	1,511	2,906	3,360
2400	443	835	961	788	1,500	1,730	713	1,322	1,517	888	1,716	1,986	1,296	2,479	2,863	1,649	3,170	3,665
2600	480	905	1,041	854	1,625	1,874	772	1,433	1,643	962	1,859	2,152	1,404	2,686	3,102	1,786	3,435	3,971
2800	517	974	1,121	919	1,750	2,019	832	1,543	1,770	1,036	2,002	2,317	1,512	2,892	3,340	1,924	3,699	4,276
3000	554	1,044	1,202	985	1,875	2,163	891	1,653	1,896	1,110	2,145	2,483	1,620	3,099	3,579	2,061	3,963	4,582
3200	591	1,114	1,282	1,051	2,000	2,307	950	1,763	2,022	1,184	2,288	2,648	1,728	3,306	3,817	2,198	4,227	4,887
3400	628	1,183	1,362	1,116	2,125	2,451	1,010	1,873	2,149	1,258	2,431	2,814	1,836	3,512	4,056	2,336	4,491	5,193
3600	665	1,253	1,442	1,182	2,250	2,595	1,069	1,984	2,275	1,332	2,574	2,979	1,944	3,719	4,294	2,473	4,756	5,498
3800	702	1,322	1,522	1,248	2,375	2,740	1,128	2,094	2,402	1,406	2,717	3,145	2,052	3,925	4,533	2,610	5,020	5,803
4000	739	1,392	1,602	1,313	2,500	2,884	1,188	2,204	2,528	1,480	2,860	3,310	2,160	4,132	4,772	2,748	5,284	6,109
4200	776	1,462	1,682	1,379	2,625	3,028	1,247	2,314	2,654	1,554	3,003	3,476	2,268	4,339	5,010	2,885	5,548	6,414
4400	813	1,531	1,762	1,445	2,750	3,172	1,307	2,424	2,781	1,628	3,146	3,641	2,376	4,545	5,249	3,023	5,812	6,720
4600	850	1,601	1,842	1,510	2,875	3,316	1,366	2,535	2,907	1,702	3,289	3,807	2,484	4,752	5,487	3,160	6,077	7,025
4800	887	1,670	1,922	1,576	3,000	3,460	1,425	2,645	3,034	1,776	3,432	3,972	2,592	4,958	5,726	3,297	6,341	7,331
5000	924	1,740	2,003	1,642	3,125	3,605	1,485	2,755	3,160	1,850	3,575	4,138	2,700	5,165	5,965	3,435	6,605	7,636
5200	960	1,810	2,083	1,707	3,250	3,749	1,544	2,865	3,286	1,924	3,718	4,303	2,808	5,372	6,203	3,572	6,869	7,942
5400	997	1,879	2,163	1,773	3,375	3,893	1,604	2,975	3,413	1,998	3,861	4,469	2,916	5,578	6,442	3,710	7,133	8,247
5600	1,034	1,949	2,243	1,839	3,500	4,037	1,663	3,086	3,539	2,072	4,004	4,634	3,024	5,785	6,680	3,847	7,398	8,552
5800	1,071	2,018	2,323	1,904	3,625	4,181	1,722	3,196	3,666	2,146	4,147	4,800	3,132	5,991	6,919	3,984	7,662	8,858
6000	1,108	2,088	2,403	1,970	3,750	4,326	1,782	3,306	3,792	2,220	4,290	4,965	3,240	6,198	7,157	4,122	7,926	9,163







Zehnder Nova

Overall height = 360 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																		
Model	ZNH 035			ZNHL 035/035			ZNHH 035			ZNHLH 035/035			ZNHLLH 035/035			ZNHLLHL 035/035		
T mm	47			60			55			55			100			132		
H mm	360			360			360			360			360			360		
H Lam mm	-			344			-			344			344			344		
Exp. N	1.23			1.28			1.22			1.3			1.28			1.3		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	113	212	243	190	365	422	175	326	374	214	417	483	322	620	717	390	758	878
600	135	254	292	228	438	506	209	391	449	257	500	579	387	744	860	468	909	1,053
700	158	296	340	266	511	591	244	456	523	300	583	676	451	868	1,004	546	1,061	1,229
800	181	338	389	304	584	675	279	521	598	343	666	772	516	992	1,147	624	1,212	1,404
900	203	381	438	342	657	760	314	586	673	386	750	869	580	1,116	1,290	702	1,364	1,580
1000	226	423	486	380	730	844	349	651	748	429	833	965	645	1,240	1,434	780	1,515	1,755
1100	248	465	535	418	803	928	384	716	822	472	916	1,062	709	1,364	1,577	858	1,667	1,931
1200	271	508	584	456	876	1,013	419	781	897	515	1,000	1,158	774	1,488	1,720	936	1,818	2,107
1300	293	550	632	494	949	1,097	454	846	972	557	1,083	1,255	838	1,612	1,864	1,014	1,970	2,282
1400	316	592	681	531	1,022	1,182	489	911	1,047	600	1,166	1,351	903	1,736	2,007	1,092	2,121	2,458
1500	338	635	729	569	1,095	1,266	524	977	1,121	643	1,250	1,448	967	1,860	2,150	1,170	2,273	2,633
1600	361	677	778	607	1,168	1,350	559	1,042	1,196	686	1,333	1,544	1,032	1,984	2,294	1,248	2,424	2,809
1700	384	719	827	645	1,241	1,435	593	1,107	1,271	729	1,416	1,641	1,096	2,108	2,437	1,326	2,576	2,984
1800	406	761	875	683	1,314	1,519	628	1,172	1,346	772	1,499	1,737	1,161	2,232	2,580	1,404	2,727	3,160
1900	429	804	924	721	1,387	1,604	663	1,237	1,420	815	1,583	1,834	1,225	2,356	2,724	1,482	2,879	3,335
2000	451	846	973	759	1,460	1,688	698	1,302	1,495	858	1,666	1,930	1,290	2,480	2,867	1,560	3,030	3,511
2200	496	931	1,070	835	1,606	1,857	768	1,432	1,645	943	1,833	2,123	1,419	2,728	3,154	1,716	3,333	3,862
2400	542	1,015	1,167	911	1,752	2,026	838	1,562	1,794	1,029	1,999	2,317	1,548	2,976	3,441	1,872	3,636	4,213
2600	587	1,100	1,264	987	1,898	2,194	908	1,693	1,944	1,115	2,166	2,510	1,677	3,224	3,727	2,028	3,939	4,564
2800	632	1,184	1,362	1,063	2,044	2,363	977	1,823	2,093	1,201	2,332	2,703	1,806	3,472	4,014	2,184	4,242	4,915
3000	677	1,269	1,459	1,139	2,190	2,532	1,047	1,953	2,243	1,286	2,499	2,896	1,935	3,720	4,301	2,340	4,545	5,266
3200	722	1,354	1,556	1,215	2,336	2,701	1,117	2,083	2,392	1,372	2,666	3,089	2,064	3,968	4,587	2,496	4,848	5,618
3400	767	1,438	1,653	1,291	2,482	2,869	1,187	2,213	2,542	1,458	2,832	3,282	2,192	4,216	4,874	2,651	5,151	5,969
3600	812	1,523	1,751	1,367	2,628	3,038	1,257	2,344	2,691	1,544	2,999	3,475	2,321	4,464	5,161	2,807	5,454	6,320
3800	858	1,607	1,848	1,443	2,774	3,207	1,327	2,474	2,841	1,629	3,165	3,668	2,450	4,712	5,448	2,963	5,757	6,671
4000	903	1,692	1,945	1,519	2,920	3,376	1,396	2,604	2,990	1,715	3,332	3,861	2,579	4,960	5,734	3,119	6,060	7,022
4200	948	1,777	2,042	1,594	3,066	3,545	1,466	2,734	3,140	1,801	3,499	4,054	2,708	5,208	6,021	3,275	6,363	7,373
4400	993	1,861	2,140	1,670	3,212	3,713	1,536	2,864	3,289	1,887	3,665	4,247	2,837	5,456	6,308	3,431	6,666	7,724
4600	1,038	1,946	2,237	1,746	3,358	3,882	1,606	2,995	3,439	1,972	3,832	4,440	2,966	5,704	6,594	3,587	6,969	8,075
4800	1,083	2,030	2,334	1,822	3,504	4,051	1,676	3,125	3,588	2,058	3,998	4,633	3,095	5,952	6,881	3,743	7,272	8,426
5000	1,128	2,115	2,431	1,898	3,650	4,220	1,745	3,255	3,738	2,144	4,165	4,826	3,224	6,200	7,168	3,899	7,575	8,777
5200	1,173	2,200	2,529	1,974	3,796	4,389	1,815	3,385	3,887	2,230	4,332	5,019	3,353	6,448	7,455	4,055	7,878	9,128
5400	1,219	2,284	2,626	2,050	3,942	4,557	1,885	3,515	4,037	2,315	4,498	5,212	3,482	6,696	7,741	4,211	8,181	9,480
5600	1,264	2,369	2,723	2,126	4,088	4,726	1,955	3,646	4,186	2,401	4,665	5,405	3,611	6,944	8,028	4,367	8,484	9,831
5800	1,309	2,453	2,820	2,202	4,234	4,895	2,025	3,776	4,336	2,487	4,831	5,598	3,740	7,192	8,315	4,523	8,787	10,182
6000	1,354	2,538	2,918	2,278	4,380	5,064	2,094	3,906	4,485	2,573	4,998	5,791	3,869	7,440	8,601	4,679	9,090	10,533







Zehnder Nova

Overall height = 432 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 042			ZNHL 042/042			ZNHH 042			ZNHLH 042/042			ZNHLLH 042/042			ZNHLLHL 042/042		
T mm	47			60			55			55			100			132		
H mm	432			432			432			432			432			432		
H Lam mm	-			410			-			410			410			410		
Exp. N	1.23			1.26			1.23			1.32			1.29			1.31		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	132	248	285	218	416	479	203	381	438	240	472	548	368	711	822	434	848	984
600	158	297	341	262	499	575	244	457	526	288	566	657	441	853	987	521	1,018	1,180
700	185	347	398	306	582	671	285	533	613	336	660	767	515	995	1,151	608	1,187	1,377
800	211	396	455	349	665	767	325	610	701	384	754	876	588	1,137	1,316	695	1,357	1,574
900	238	446	512	393	748	863	366	686	788	432	849	986	662	1,279	1,480	782	1,526	1,771
1000	264	495	569	437	831	959	407	762	876	480	943	1,095	735	1,421	1,645	869	1,696	1,967
1100	290	545	626	480	914	1,054	447	838	964	529	1,037	1,205	809	1,563	1,809	955	1,866	2,164
1200	317	594	683	524	997	1,150	488	914	1,051	577	1,132	1,314	882	1,705	1,974	1,042	2,035	2,361
1300	343	644	740	568	1,080	1,246	528	991	1,139	625	1,226	1,424	956	1,847	2,138	1,129	2,205	2,558
1400	370	693	797	611	1,163	1,342	569	1,067	1,226	673	1,320	1,533	1,029	1,989	2,303	1,216	2,374	2,754
1500	396	743	854	655	1,247	1,438	610	1,143	1,314	721	1,415	1,643	1,103	2,132	2,467	1,303	2,544	2,951
1600	423	792	910	699	1,330	1,534	650	1,219	1,402	769	1,509	1,752	1,176	2,274	2,632	1,390	2,714	3,148
1700	449	842	967	742	1,413	1,630	691	1,295	1,489	817	1,603	1,862	1,250	2,416	2,796	1,477	2,883	3,345
1800	475	891	1,024	786	1,496	1,725	732	1,372	1,577	865	1,697	1,971	1,323	2,558	2,960	1,563	3,053	3,541
1900	502	941	1,081	830	1,579	1,821	772	1,448	1,664	913	1,792	2,081	1,397	2,700	3,125	1,650	3,222	3,738
2000	528	990	1,138	873	1,662	1,917	813	1,524	1,752	961	1,886	2,190	1,470	2,842	3,289	1,737	3,392	3,935
2200	581	1,089	1,252	960	1,828	2,109	894	1,676	1,927	1,057	2,075	2,409	1,617	3,126	3,618	1,911	3,731	4,328
2400	634	1,188	1,366	1,048	1,994	2,301	976	1,829	2,102	1,153	2,263	2,628	1,764	3,410	3,947	2,085	4,070	4,722
2600	687	1,287	1,480	1,135	2,161	2,492	1,057	1,981	2,278	1,249	2,452	2,847	1,912	3,695	4,276	2,258	4,410	5,115
2800	739	1,386	1,593	1,222	2,327	2,684	1,138	2,134	2,453	1,345	2,640	3,066	2,059	3,979	4,605	2,432	4,749	5,509
3000	792	1,485	1,707	1,310	2,493	2,876	1,220	2,286	2,628	1,441	2,829	3,285	2,206	4,263	4,934	2,606	5,088	5,902
3200	845	1,584	1,821	1,397	2,659	3,067	1,301	2,438	2,803	1,538	3,018	3,505	2,353	4,547	5,263	2,779	5,427	6,296
3400	898	1,683	1,935	1,484	2,825	3,259	1,382	2,591	2,978	1,634	3,206	3,724	2,500	4,831	5,592	2,953	5,766	6,689
3600	951	1,782	2,049	1,572	2,992	3,451	1,463	2,743	3,154	1,730	3,395	3,943	2,647	5,116	5,921	3,127	6,106	7,083
3800	1,003	1,881	2,162	1,659	3,158	3,642	1,545	2,896	3,329	1,826	3,583	4,162	2,794	5,400	6,250	3,301	6,445	7,476
4000	1,056	1,980	2,276	1,746	3,324	3,834	1,626	3,048	3,504	1,922	3,772	4,381	2,941	5,684	6,579	3,474	6,784	7,870
4200	1,109	2,079	2,390	1,834	3,490	4,026	1,707	3,200	3,679	2,018	3,961	4,600	3,088	5,968	6,908	3,648	7,123	8,263
4400	1,162	2,178	2,504	1,921	3,656	4,218	1,789	3,353	3,854	2,114	4,149	4,819	3,235	6,252	7,237	3,822	7,462	8,657
4600	1,215	2,277	2,618	2,008	3,823	4,409	1,870	3,505	4,029	2,210	4,338	5,038	3,382	6,537	7,566	3,995	7,802	9,050
4800	1,268	2,376	2,731	2,096	3,989	4,601	1,951	3,658	4,205	2,306	4,526	5,257	3,529	6,821	7,895	4,169	8,141	9,444
5000	1,320	2,475	2,845	2,183	4,155	4,793	2,033	3,810	4,380	2,402	4,715	5,476	3,676	7,105	8,223	4,343	8,480	9,837
5200	1,373	2,574	2,959	2,270	4,321	4,984	2,114	3,962	4,555	2,498	4,904	5,695	3,823	7,389	8,552	4,517	8,819	10,231
5400	1,426	2,673	3,073	2,358	4,487	5,176	2,195	4,115	4,730	2,595	5,092	5,914	3,970	7,673	8,881	4,690	9,158	10,624
5600	1,479	2,772	3,187	2,445	4,654	5,368	2,277	4,267	4,905	2,691	5,281	6,133	4,117	7,958	9,210	4,864	9,498	11,018
5800	1,532	2,871	3,300	2,532	4,820	5,560	2,358	4,420	5,081	2,787	5,469	6,352	4,264	8,242	9,539	5,038	9,837	11,411
6000	1,584	2,970	3,414	2,620	4,986	5,751	2,439	4,572	5,256	2,883	5,658	6,571	4,411	8,526	9,868	5,211	10,176	11,805







Zehnder Nova

Overall height = 503 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 049			ZNHL 049/049			ZNHH 049			ZNHLH 049/049			ZNHLLH 049/049			ZNHLLHL 049/049		
T mm	47			60			55			55			100			132		
H mm	503			503			503			503			503			503		
H Lam mm	-			484			-			484			484			484		
Exp. N	1.24			1.25			1.23			1.33			1.3			1.32		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	150	284	326	245	464	535	232	435	500	266	526	611	405	786	911	474	931	1,081
600	181	340	392	294	557	642	278	522	600	320	631	733	486	943	1,093	569	1,117	1,297
700	211	397	457	343	650	748	325	609	700	373	736	855	566	1,100	1,275	664	1,303	1,513
800	241	454	522	392	742	855	371	696	800	426	841	978	647	1,258	1,457	759	1,489	1,729
900	271	510	587	441	835	962	418	783	900	479	946	1,100	728	1,415	1,639	853	1,675	1,945
1000	301	567	653	490	928	1,069	464	870	1,000	533	1,051	1,222	809	1,572	1,822	948	1,861	2,161
1100	331	624	718	539	1,021	1,176	511	957	1,100	586	1,156	1,344	890	1,729	2,004	1,043	2,047	2,377
1200	361	680	783	588	1,114	1,283	557	1,044	1,200	639	1,261	1,466	971	1,886	2,186	1,138	2,233	2,594
1300	391	737	848	637	1,206	1,390	603	1,131	1,300	693	1,366	1,589	1,052	2,044	2,368	1,233	2,419	2,810
1400	421	794	914	686	1,299	1,497	650	1,218	1,400	746	1,471	1,711	1,133	2,201	2,550	1,327	2,605	3,026
1500	451	851	979	735	1,392	1,604	696	1,305	1,500	799	1,577	1,833	1,214	2,358	2,732	1,422	2,792	3,242
1600	482	907	1,044	784	1,485	1,711	743	1,392	1,600	852	1,682	1,955	1,295	2,515	2,914	1,517	2,978	3,458
1700	512	964	1,109	833	1,578	1,818	789	1,479	1,700	906	1,787	2,077	1,376	2,672	3,097	1,612	3,164	3,674
1800	542	1,021	1,175	882	1,670	1,925	835	1,566	1,800	959	1,892	2,200	1,457	2,830	3,279	1,707	3,350	3,890
1900	572	1,077	1,240	931	1,763	2,032	882	1,653	1,900	1,012	1,997	2,322	1,537	2,987	3,461	1,802	3,536	4,106
2000	602	1,134	1,305	980	1,856	2,138	928	1,740	2,000	1,066	2,102	2,444	1,618	3,144	3,643	1,896	3,722	4,323
2200	662	1,247	1,436	1,078	2,042	2,352	1,021	1,914	2,200	1,172	2,312	2,688	1,780	3,458	4,007	2,086	4,094	4,755
2400	722	1,361	1,566	1,176	2,227	2,566	1,114	2,088	2,400	1,279	2,522	2,933	1,942	3,773	4,372	2,276	4,466	5,187
2600	782	1,474	1,697	1,274	2,413	2,780	1,207	2,262	2,600	1,385	2,733	3,177	2,104	4,087	4,736	2,465	4,839	5,619
2800	843	1,588	1,827	1,372	2,598	2,994	1,300	2,436	2,800	1,492	2,943	3,422	2,266	4,402	5,100	2,655	5,211	6,052
3000	903	1,701	1,958	1,470	2,784	3,208	1,392	2,610	3,000	1,598	3,153	3,666	2,428	4,716	5,465	2,845	5,583	6,484
3200	963	1,814	2,088	1,568	2,970	3,422	1,485	2,784	3,200	1,705	3,363	3,910	2,589	5,030	5,829	3,034	5,955	6,916
3400	1,023	1,928	2,219	1,666	3,155	3,635	1,578	2,958	3,400	1,811	3,573	4,155	2,751	5,345	6,193	3,224	6,327	7,348
3600	1,083	2,041	2,349	1,764	3,341	3,849	1,671	3,132	3,600	1,918	3,784	4,399	2,913	5,659	6,558	3,414	6,700	7,781
3800	1,144	2,155	2,480	1,862	3,526	4,063	1,764	3,306	3,801	2,025	3,994	4,644	3,075	5,974	6,922	3,603	7,072	8,213
4000	1,204	2,268	2,610	1,960	3,712	4,277	1,857	3,480	4,001	2,131	4,204	4,888	3,237	6,288	7,286	3,793	7,444	8,645
4200	1,264	2,381	2,741	2,058	3,898	4,491	1,949	3,654	4,201	2,238	4,414	5,132	3,399	6,602	7,650	3,982	7,816	9,077
4400	1,324	2,495	2,871	2,156	4,083	4,705	2,042	3,828	4,401	2,344	4,624	5,377	3,560	6,917	8,015	4,172	8,188	9,510
4600	1,384	2,608	3,002	2,254	4,269	4,918	2,135	4,002	4,601	2,451	4,835	5,621	3,722	7,231	8,379	4,362	8,561	9,942
4800	1,445	2,722	3,132	2,352	4,454	5,132	2,228	4,176	4,801	2,557	5,045	5,865	3,884	7,546	8,743	4,551	8,933	10,374
5000	1,505	2,835	3,263	2,450	4,640	5,346	2,321	4,350	5,001	2,664	5,255	6,110	4,046	7,860	9,108	4,741	9,305	10,806
5200	1,565	2,948	3,393	2,548	4,826	5,560	2,414	4,524	5,201	2,770	5,465	6,354	4,208	8,174	9,472	4,931	9,677	11,239
5400	1,625	3,062	3,524	2,646	5,011	5,774	2,506	4,698	5,401	2,877	5,675	6,599	4,370	8,489	9,836	5,120	10,049	11,671
5600	1,685	3,175	3,654	2,744	5,197	5,988	2,599	4,872	5,601	2,984	5,886	6,843	4,531	8,803	10,201	5,310	10,422	12,103
5800	1,745	3,289	3,785	2,842	5,382	6,202	2,692	5,046	5,801	3,090	6,096	7,087	4,693	9,118	10,565	5,500	10,794	12,536
6000	1,806	3,402	3,915	2,940	5,568	6,415	2,785	5,220	6,001	3,197	6,306	7,332	4,855	9,432	10,929	5,689	11,166	12,968







Zehnder Nova

Overall height = 575 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																		
Model	ZNH 56			ZNHL 56/56			ZNHH 56			ZNHLH 56/56			ZNHLLH 56/56			ZNHLLHL 56/56		
T mm	47			60			55			55			100			132		
H mm	575			575			575			575			575			575		
H Lam mm	-			550			-			550			550			550		
Exp. N	1.24			1.24			1.24			1.34			1.31			1.32		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	169	319	367	271	511	588	259	489	562	293	581	676	437	854	991	514	1,009	1,172
600	203	383	441	325	613	705	311	586	675	351	697	811	525	1,025	1,189	617	1,211	1,406
700	237	447	514	379	715	823	363	684	787	410	813	946	612	1,196	1,387	720	1,413	1,641
800	271	510	587	434	817	940	415	782	900	468	929	1,081	700	1,366	1,585	823	1,614	1,875
900	305	574	661	488	919	1,058	467	879	1,012	527	1,045	1,216	787	1,537	1,783	925	1,816	2,109
1000	339	638	734	542	1,021	1,175	519	977	1,124	586	1,161	1,351	875	1,708	1,981	1,028	2,018	2,344
1100	372	702	808	596	1,123	1,293	570	1,075	1,237	644	1,277	1,487	962	1,879	2,179	1,131	2,220	2,578
1200	406	766	881	650	1,225	1,410	622	1,172	1,349	703	1,393	1,622	1,050	2,050	2,378	1,234	2,422	2,812
1300	440	829	955	704	1,327	1,528	674	1,270	1,462	761	1,509	1,757	1,137	2,220	2,576	1,337	2,623	3,047
1400	474	893	1,028	759	1,429	1,645	726	1,368	1,574	820	1,625	1,892	1,225	2,391	2,774	1,439	2,825	3,281
1500	508	957	1,101	813	1,532	1,763	778	1,466	1,687	878	1,742	2,027	1,312	2,562	2,972	1,542	3,027	3,515
1600	542	1,021	1,175	867	1,634	1,880	830	1,563	1,799	937	1,858	2,162	1,400	2,733	3,170	1,645	3,229	3,750
1700	576	1,085	1,248	921	1,736	1,998	882	1,661	1,911	995	1,974	2,297	1,487	2,904	3,368	1,748	3,431	3,984
1800	610	1,148	1,322	975	1,838	2,115	933	1,759	2,024	1,054	2,090	2,433	1,574	3,074	3,566	1,851	3,632	4,219
1900	643	1,212	1,395	1,030	1,940	2,233	985	1,856	2,136	1,113	2,206	2,568	1,662	3,245	3,765	1,954	3,834	4,453
2000	677	1,276	1,469	1,084	2,042	2,350	1,037	1,954	2,249	1,171	2,322	2,703	1,749	3,416	3,963	2,056	4,036	4,687
2200	745	1,404	1,615	1,192	2,246	2,585	1,141	2,149	2,474	1,288	2,554	2,973	1,924	3,758	4,359	2,262	4,440	5,156
2400	813	1,531	1,762	1,301	2,450	2,820	1,245	2,345	2,699	1,405	2,786	3,243	2,099	4,099	4,755	2,468	4,843	5,625
2600	880	1,659	1,909	1,409	2,655	3,055	1,348	2,540	2,923	1,522	3,019	3,514	2,274	4,441	5,152	2,673	5,247	6,093
2800	948	1,786	2,056	1,517	2,859	3,290	1,452	2,736	3,148	1,640	3,251	3,784	2,449	4,782	5,548	2,879	5,650	6,562
3000	1,016	1,914	2,203	1,626	3,063	3,525	1,556	2,931	3,373	1,757	3,483	4,054	2,624	5,124	5,944	3,085	6,054	7,031
3200	1,084	2,042	2,350	1,734	3,267	3,760	1,659	3,126	3,598	1,874	3,715	4,324	2,799	5,466	6,340	3,290	6,458	7,500
3400	1,151	2,169	2,496	1,843	3,471	3,995	1,763	3,322	3,823	1,991	3,947	4,595	2,974	5,807	6,737	3,496	6,861	7,968
3600	1,219	2,297	2,643	1,951	3,676	4,230	1,867	3,517	4,048	2,108	4,180	4,865	3,149	6,149	7,133	3,702	7,265	8,437
3800	1,287	2,424	2,790	2,059	3,880	4,465	1,971	3,713	4,273	2,225	4,412	5,135	3,324	6,490	7,529	3,907	7,668	8,906
4000	1,355	2,552	2,937	2,168	4,084	4,700	2,074	3,908	4,498	2,342	4,644	5,406	3,499	6,832	7,925	4,113	8,072	9,375
4200	1,422	2,680	3,084	2,276	4,288	4,935	2,178	4,103	4,723	2,459	4,876	5,676	3,674	7,174	8,322	4,318	8,476	9,843
4400	1,490	2,807	3,231	2,384	4,492	5,170	2,282	4,299	4,947	2,576	5,108	5,946	3,849	7,515	8,718	4,524	8,879	10,312
4600	1,558	2,935	3,378	2,493	4,697	5,405	2,385	4,494	5,172	2,693	5,341	6,216	4,024	7,857	9,114	4,730	9,283	10,781
4800	1,625	3,062	3,524	2,601	4,901	5,640	2,489	4,690	5,397	2,811	5,573	6,487	4,199	8,198	9,511	4,935	9,686	11,249
5000	1,693	3,190	3,671	2,710	5,105	5,875	2,593	4,885	5,622	2,928	5,805	6,757	4,374	8,540	9,907	5,141	10,090	11,718
5200	1,761	3,318	3,818	2,818	5,309	6,110	2,697	5,080	5,847	3,045	6,037	7,027	4,549	8,882	10,303	5,347	10,494	12,187
5400	1,829	3,445	3,965	2,926	5,513	6,345	2,800	5,276	6,072	3,162	6,269	7,298	4,723	9,223	10,699	5,552	10,897	12,656
5600	1,896	3,573	4,112	3,035	5,718	6,580	2,904	5,471	6,297	3,279	6,502	7,568	4,898	9,565	11,096	5,758	11,301	13,124
5800	1,964	3,700	4,259	3,143	5,922	6,815	3,008	5,667	6,522	3,396	6,734	7,838	5,073	9,906	11,492	5,964	11,704	13,593
6000	2,032	3,828	4,406	3,252	6,126	7,050	3,111	5,862	6,746	3,513	6,966	8,108	5,248	10,248	11,888	6,169	12,108	14,062







Zehnder Nova

Overall height = 646 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 063			ZNHL 063/056			ZNHH 063			ZNHLH 063/056			ZNHLLH 063/056			ZNHLLHL 063/056		
T mm	47			60			55			55			100			132		
H mm	646			646			646			646			646			646		
H Lam mm	-			550			-			550			550			550		
Exp. N	1.25			1.24			1.24			1.34			1.31			1.32		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	187	354	408	291	548	631	287	541	623	313	620	722	468	914	1,060	540	1,060	1,231
600	224	425	489	349	658	757	345	649	747	375	744	866	562	1,097	1,272	648	1,272	1,477
700	262	496	571	407	767	883	402	757	872	438	868	1,010	655	1,280	1,484	756	1,484	1,723
800	299	566	653	465	877	1,009	459	866	996	500	992	1,155	749	1,462	1,696	864	1,696	1,970
900	336	637	734	524	986	1,135	517	974	1,121	563	1,116	1,299	843	1,645	1,909	972	1,908	2,216
1000	374	708	816	582	1,096	1,261	574	1,082	1,245	625	1,240	1,443	936	1,828	2,121	1,080	2,120	2,462
1100	411	779	897	640	1,206	1,388	632	1,190	1,370	688	1,364	1,588	1,030	2,011	2,333	1,188	2,332	2,708
1200	449	850	979	698	1,315	1,514	689	1,298	1,494	750	1,488	1,732	1,123	2,194	2,545	1,296	2,544	2,955
1300	486	920	1,060	756	1,425	1,640	747	1,407	1,619	813	1,612	1,876	1,217	2,376	2,757	1,404	2,756	3,201
1400	523	991	1,142	814	1,534	1,766	804	1,515	1,743	876	1,736	2,021	1,311	2,559	2,969	1,512	2,968	3,447
1500	561	1,062	1,224	873	1,644	1,892	861	1,623	1,868	938	1,860	2,165	1,404	2,742	3,181	1,620	3,180	3,693
1600	598	1,133	1,305	931	1,754	2,018	919	1,731	1,992	1,001	1,984	2,309	1,498	2,925	3,393	1,728	3,392	3,939
1700	636	1,204	1,387	989	1,863	2,144	976	1,839	2,117	1,063	2,108	2,454	1,591	3,108	3,605	1,836	3,604	4,186
1800	673	1,274	1,468	1,047	1,973	2,270	1,034	1,948	2,241	1,126	2,232	2,598	1,685	3,290	3,817	1,944	3,816	4,432
1900	710	1,345	1,550	1,105	2,082	2,397	1,091	2,056	2,366	1,188	2,356	2,742	1,779	3,473	4,029	2,052	4,028	4,678
2000	748	1,416	1,631	1,163	2,192	2,523	1,149	2,164	2,491	1,251	2,480	2,887	1,872	3,656	4,241	2,160	4,240	4,924
2200	823	1,558	1,795	1,280	2,411	2,775	1,263	2,380	2,740	1,376	2,728	3,175	2,060	4,022	4,665	2,376	4,664	5,417
2400	897	1,699	1,958	1,396	2,630	3,027	1,378	2,597	2,989	1,501	2,976	3,464	2,247	4,387	5,089	2,592	5,088	5,909
2600	972	1,841	2,121	1,512	2,850	3,280	1,493	2,813	3,238	1,626	3,224	3,753	2,434	4,753	5,513	2,808	5,512	6,401
2800	1,047	1,982	2,284	1,629	3,069	3,532	1,608	3,030	3,487	1,751	3,472	4,041	2,621	5,118	5,938	3,024	5,936	6,894
3000	1,122	2,124	2,447	1,745	3,288	3,784	1,723	3,246	3,736	1,876	3,720	4,330	2,809	5,484	6,362	3,241	6,360	7,386
3200	1,196	2,266	2,610	1,862	3,507	4,036	1,838	3,462	3,985	2,001	3,968	4,619	2,996	5,850	6,786	3,457	6,784	7,879
3400	1,271	2,407	2,774	1,978	3,726	4,289	1,953	3,679	4,234	2,126	4,216	4,907	3,183	6,215	7,210	3,673	7,208	8,371
3600	1,346	2,549	2,937	2,094	3,946	4,541	2,067	3,895	4,483	2,251	4,464	5,196	3,370	6,581	7,634	3,889	7,632	8,864
3800	1,421	2,690	3,100	2,211	4,165	4,793	2,182	4,112	4,732	2,376	4,712	5,485	3,557	6,946	8,058	4,105	8,056	9,356
4000	1,495	2,832	3,263	2,327	4,384	5,045	2,297	4,328	4,981	2,502	4,960	5,773	3,745	7,312	8,482	4,321	8,480	9,848
4200	1,570	2,974	3,426	2,443	4,603	5,298	2,412	4,544	5,230	2,627	5,208	6,062	3,932	7,678	8,906	4,537	8,904	10,341
4400	1,645	3,115	3,589	2,560	4,822	5,550	2,527	4,761	5,479	2,752	5,456	6,351	4,119	8,043	9,330	4,753	9,328	10,833
4600	1,720	3,257	3,752	2,676	5,042	5,802	2,642	4,977	5,728	2,877	5,704	6,639	4,306	8,409	9,755	4,969	9,752	11,326
4800	1,795	3,398	3,916	2,792	5,261	6,055	2,757	5,194	5,977	3,002	5,952	6,928	4,494	8,774	10,179	5,185	10,176	11,818
5000	1,869	3,540	4,079	2,909	5,480	6,307	2,871	5,410	6,226	3,127	6,200	7,217	4,681	9,140	10,603	5,401	10,600	12,310
5200	1,944	3,682	4,242	3,025	5,699	6,559	2,986	5,626	6,475	3,252	6,448	7,505	4,868	9,506	11,027	5,617	11,024	12,803
5400	2,019	3,823	4,405	3,141	5,918	6,811	3,101	5,843	6,724	3,377	6,696	7,794	5,055	9,871	11,451	5,833	11,448	13,295
5600	2,094	3,965	4,568	3,258	6,138	7,064	3,216	6,059	6,973	3,502	6,944	8,083	5,243	10,237	11,875	6,049	11,872	13,788
5800	2,168	4,106	4,731	3,374	6,357	7,316	3,331	6,276	7,222	3,627	7,192	8,371	5,430	10,602	12,299	6,265	12,296	14,280
6000	2,243	4,248	4,894	3,490	6,576	7,568	3,446	6,492	7,472	3,752	7,440	8,660	5,617	10,968	12,723	6,481	12,720	14,773





Zehnder Nova

Overall height = 718 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																		
Model	ZNH 070			ZNHL 070/056			ZNHH 070			ZNHLH 070/056			ZNHLLH 070/056			ZNHLLHL 070/056		
T mm	47			60			55			55			100			132		
H mm	718			718			718			718			718			718		
H Lam mm	-			550			-			550			550			550		
Exp. N	1.25			1.24			1.25			1.33			1.31			1.32		
Length	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
500	205	389	448	309	582	669	314	594	684	334	659	766	496	968	1,123	564	1,108	1,286
600	247	467	538	370	698	803	376	713	821	401	790	919	595	1,162	1,348	677	1,329	1,543
700	288	545	627	432	814	937	439	832	958	467	922	1,072	694	1,355	1,572	790	1,551	1,801
800	329	622	717	494	930	1,071	502	950	1,095	534	1,054	1,225	793	1,549	1,797	903	1,772	2,058
900	370	700	807	556	1,047	1,205	565	1,069	1,232	601	1,185	1,378	892	1,742	2,021	1,016	1,994	2,315
1000	411	778	896	617	1,163	1,338	627	1,188	1,369	668	1,317	1,531	991	1,936	2,246	1,129	2,215	2,572
1100	452	856	986	679	1,279	1,472	690	1,307	1,506	734	1,449	1,684	1,091	2,130	2,470	1,241	2,437	2,830
1200	493	934	1,076	741	1,396	1,606	753	1,426	1,643	801	1,580	1,837	1,190	2,323	2,695	1,354	2,658	3,087
1300	534	1,011	1,165	802	1,512	1,740	816	1,544	1,779	868	1,712	1,991	1,289	2,517	2,920	1,467	2,880	3,344
1400	575	1,089	1,255	864	1,628	1,874	878	1,663	1,916	935	1,844	2,144	1,388	2,710	3,144	1,580	3,101	3,601
1500	616	1,167	1,345	926	1,745	2,008	941	1,782	2,053	1,001	1,976	2,297	1,487	2,904	3,369	1,693	3,323	3,859
1600	657	1,245	1,434	988	1,861	2,142	1,004	1,901	2,190	1,068	2,107	2,450	1,586	3,098	3,593	1,806	3,544	4,116
1700	698	1,323	1,524	1,049	1,977	2,275	1,066	2,020	2,327	1,135	2,239	2,603	1,686	3,291	3,818	1,919	3,766	4,373
1800	740	1,400	1,614	1,111	2,093	2,409	1,129	2,138	2,464	1,202	2,371	2,756	1,785	3,485	4,043	2,031	3,987	4,630
1900	781	1,478	1,703	1,173	2,210	2,543	1,192	2,257	2,601	1,268	2,502	2,909	1,884	3,678	4,267	2,144	4,209	4,888
2000	822	1,556	1,793	1,235	2,326	2,677	1,255	2,376	2,738	1,335	2,634	3,062	1,983	3,872	4,492	2,257	4,430	5,145
2200	904	1,712	1,972	1,358	2,559	2,945	1,380	2,614	3,011	1,469	2,897	3,369	2,181	4,259	4,941	2,483	4,873	5,659
2400	986	1,867	2,151	1,481	2,791	3,212	1,506	2,851	3,285	1,602	3,161	3,675	2,380	4,646	5,390	2,709	5,316	6,174
2600	1,068	2,023	2,331	1,605	3,024	3,480	1,631	3,089	3,559	1,736	3,424	3,981	2,578	5,034	5,839	2,934	5,759	6,688
2800	1,150	2,178	2,510	1,728	3,256	3,748	1,757	3,326	3,833	1,869	3,688	4,287	2,776	5,421	6,288	3,160	6,202	7,203
3000	1,233	2,334	2,689	1,852	3,489	4,015	1,882	3,564	4,106	2,003	3,951	4,594	2,974	5,808	6,738	3,386	6,645	7,717
3200	1,315	2,490	2,868	1,975	3,722	4,283	2,007	3,802	4,380	2,136	4,214	4,900	3,173	6,195	7,187	3,611	7,088	8,232
3400	1,397	2,645	3,048	2,099	3,954	4,551	2,133	4,039	4,654	2,270	4,478	5,206	3,371	6,582	7,636	3,837	7,531	8,746
3600	1,479	2,801	3,227	2,222	4,187	4,819	2,258	4,277	4,928	2,403	4,741	5,512	3,569	6,970	8,085	4,063	7,974	9,261
3800	1,561	2,956	3,406	2,346	4,419	5,086	2,384	4,514	5,201	2,537	5,005	5,819	3,768	7,357	8,534	4,289	8,417	9,775
4000	1,643	3,112	3,586	2,469	4,652	5,354	2,509	4,752	5,475	2,670	5,268	6,125	3,966	7,744	8,983	4,514	8,860	10,290
4200	1,726	3,268	3,765	2,593	4,885	5,622	2,635	4,990	5,749	2,804	5,531	6,431	4,164	8,131	9,433	4,740	9,303	10,804
4400	1,808	3,423	3,944	2,716	5,117	5,889	2,760	5,227	6,023	2,938	5,795	6,737	4,363	8,518	9,882	4,966	9,746	11,319
4600	1,890	3,579	4,123	2,840	5,350	6,157	2,886	5,465	6,296	3,071	6,058	7,044	4,561	8,906	10,331	5,191	10,189	11,833
4800	1,972	3,734	4,303	2,963	5,582	6,425	3,011	5,702	6,570	3,205	6,322	7,350	4,759	9,293	10,780	5,417	10,632	12,348
5000	2,054	3,890	4,482	3,086	5,815	6,692	3,137	5,940	6,844	3,338	6,585	7,656	4,957	9,680	11,229	5,643	11,075	12,862
5200	2,136	4,046	4,661	3,210	6,048	6,960	3,262	6,178	7,118	3,472	6,848	7,962	5,156	10,067	11,678	5,869	11,518	13,377
5400	2,219	4,201	4,841	3,333	6,280	7,228	3,388	6,415	7,392	3,605	7,112	8,269	5,354	10,454	12,128	6,094	11,961	13,891
5600	2,301	4,357	5,020	3,457	6,513	7,495	3,513	6,653	7,665	3,739	7,375	8,575	5,552	10,842	12,577	6,320	12,404	14,406
5800	2,383	4,512	5,199	3,580	6,745	7,763	3,639	6,890	7,939	3,872	7,639	8,881	5,751	11,229	13,026	6,546	12,847	14,920
6000	2,465	4,668	5,378	3,704	6,978	8,031	3,764	7,128	8,213	4,006	7,902	9,187	5,949	11,616	13,475	6,771	13,290	15,435





Zehnder Nova

Overall height = 789 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

												
Model	ZNH 077			ZNHL 077/056			ZNHLLH 077/056			ZNHLLHL 077/056		
T mm	47			60			100			132		
H mm	789			789			789			789		
H Lam mm	-			550			550			550		
Exp. N	1.25			1.24			1.31			1.32		
Length	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
500	223	423	487	324	611	703	520	1,016	1,178	586	1,151	1,336
600	268	508	585	389	733	843	624	1,219	1,414	703	1,381	1,603
700	313	592	682	454	855	984	728	1,422	1,649	821	1,611	1,871
800	357	677	780	518	977	1,124	832	1,625	1,885	938	1,841	2,138
900	402	761	877	583	1,099	1,265	936	1,828	2,120	1,055	2,071	2,405
1000	447	846	975	648	1,221	1,405	1,040	2,031	2,356	1,172	2,301	2,672
1100	491	931	1,072	713	1,343	1,546	1,144	2,234	2,592	1,290	2,531	2,940
1200	536	1,015	1,170	778	1,465	1,686	1,248	2,437	2,827	1,407	2,761	3,207
1300	581	1,100	1,267	842	1,587	1,827	1,352	2,640	3,063	1,524	2,991	3,474
1400	625	1,184	1,365	907	1,709	1,967	1,456	2,843	3,298	1,641	3,221	3,741
1500	670	1,269	1,462	972	1,832	2,108	1,560	3,047	3,534	1,759	3,452	4,008
1600	715	1,354	1,560	1,037	1,954	2,248	1,664	3,250	3,770	1,876	3,682	4,276
1700	759	1,438	1,657	1,102	2,076	2,389	1,768	3,453	4,005	1,993	3,912	4,543
1800	804	1,523	1,755	1,167	2,198	2,529	1,872	3,656	4,241	2,110	4,142	4,810
1900	849	1,607	1,852	1,231	2,320	2,670	1,976	3,859	4,477	2,228	4,372	5,077
2000	893	1,692	1,949	1,296	2,442	2,810	2,080	4,062	4,712	2,345	4,602	5,345
2200	983	1,861	2,144	1,426	2,686	3,091	2,288	4,468	5,183	2,579	5,062	5,879
2400	1,072	2,030	2,339	1,555	2,930	3,373	2,496	4,874	5,655	2,814	5,522	6,414
2600	1,162	2,200	2,534	1,685	3,175	3,654	2,704	5,281	6,126	3,048	5,983	6,948
2800	1,251	2,369	2,729	1,815	3,419	3,935	2,912	5,687	6,597	3,283	6,443	7,482
3000	1,340	2,538	2,924	1,944	3,663	4,216	3,120	6,093	7,068	3,517	6,903	8,017
3200	1,430	2,707	3,119	2,074	3,907	4,497	3,328	6,499	7,539	3,752	7,363	8,551
3400	1,519	2,876	3,314	2,203	4,151	4,778	3,536	6,905	8,011	3,986	7,823	9,086
3600	1,608	3,046	3,509	2,333	4,396	5,059	3,744	7,312	8,482	4,221	8,284	9,620
3800	1,698	3,215	3,704	2,463	4,640	5,340	3,952	7,718	8,953	4,455	8,744	10,155
4000	1,787	3,384	3,899	2,592	4,884	5,621	4,161	8,124	9,424	4,690	9,204	10,689
4200	1,876	3,553	4,094	2,722	5,128	5,902	4,369	8,530	9,895	4,924	9,664	11,224
4400	1,966	3,722	4,289	2,852	5,372	6,183	4,577	8,936	10,367	5,159	10,124	11,758
4600	2,055	3,892	4,484	2,981	5,617	6,464	4,785	9,343	10,838	5,393	10,585	12,293
4800	2,144	4,061	4,679	3,111	5,861	6,745	4,993	9,749	11,309	5,628	11,045	12,827
5000	2,234	4,230	4,874	3,240	6,105	7,026	5,201	10,155	11,780	5,862	11,505	13,361
5200	2,323	4,399	5,069	3,370	6,349	7,307	5,409	10,561	12,251	6,096	11,965	13,896
5400	2,412	4,568	5,264	3,500	6,593	7,588	5,617	10,967	12,723	6,331	12,425	14,430
5600	2,502	4,738	5,459	3,629	6,838	7,869	5,825	11,374	13,194	6,565	12,886	14,965
5800	2,591	4,907	5,654	3,759	7,082	8,150	6,033	11,780	13,665	6,800	13,346	15,499
6000	2,680	5,076	5,848	3,888	7,326	8,431	6,241	12,186	14,136	7,034	13,806	16,034

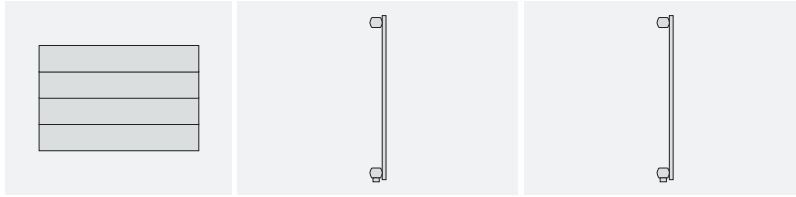
Zehnder Nova

Overall height = 861 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

												
Model	ZNH 084			ZNHL 084/056			ZNHLLH 084/056			ZNHLLHL 084/056		
T mm	47			60			100			132		
H mm	861			861			861			861		
H Lam mm	-			550			550			550		
Exp. N	1.26			1.24			1.31			1.32		
Length	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
500	241	459	529	338	636	732	542	1,058	1,227	607	1,191	1,383
600	289	550	635	405	763	878	650	1,269	1,472	728	1,429	1,660
700	337	642	740	473	890	1,025	758	1,481	1,717	850	1,667	1,936
800	385	734	846	540	1,018	1,171	867	1,692	1,963	971	1,906	2,213
900	434	825	952	608	1,145	1,318	975	1,904	2,208	1,092	2,144	2,490
1000	482	917	1,058	675	1,272	1,464	1,083	2,115	2,453	1,214	2,382	2,766
1100	530	1,009	1,164	743	1,399	1,610	1,191	2,327	2,699	1,335	2,620	3,043
1200	578	1,100	1,269	810	1,526	1,757	1,300	2,538	2,944	1,456	2,858	3,320
1300	626	1,192	1,375	878	1,654	1,903	1,408	2,750	3,190	1,578	3,097	3,596
1400	674	1,284	1,481	945	1,781	2,049	1,516	2,961	3,435	1,699	3,335	3,873
1500	723	1,376	1,587	1,013	1,908	2,196	1,625	3,173	3,680	1,821	3,573	4,150
1600	771	1,467	1,692	1,080	2,035	2,342	1,733	3,384	3,926	1,942	3,811	4,426
1700	819	1,559	1,798	1,148	2,162	2,489	1,841	3,596	4,171	2,063	4,049	4,703
1800	867	1,651	1,904	1,215	2,290	2,635	1,950	3,807	4,416	2,185	4,288	4,979
1900	915	1,742	2,010	1,283	2,417	2,781	2,058	4,019	4,662	2,306	4,526	5,256
2000	964	1,834	2,116	1,350	2,544	2,928	2,166	4,230	4,907	2,427	4,764	5,533
2200	1,060	2,017	2,327	1,485	2,798	3,221	2,383	4,653	5,398	2,670	5,240	6,086
2400	1,156	2,201	2,539	1,620	3,053	3,513	2,600	5,076	5,888	2,913	5,717	6,639
2600	1,253	2,384	2,750	1,755	3,307	3,806	2,816	5,499	6,379	3,156	6,193	7,193
2800	1,349	2,568	2,962	1,890	3,562	4,099	3,033	5,922	6,870	3,398	6,670	7,746
3000	1,445	2,751	3,173	2,025	3,816	4,392	3,249	6,345	7,360	3,641	7,146	8,299
3200	1,542	2,934	3,385	2,160	4,070	4,685	3,466	6,768	7,851	3,884	7,622	8,852
3400	1,638	3,118	3,596	2,295	4,325	4,977	3,683	7,191	8,342	4,126	8,099	9,406
3600	1,734	3,301	3,808	2,431	4,579	5,270	3,899	7,614	8,833	4,369	8,575	9,959
3800	1,831	3,485	4,019	2,566	4,834	5,563	4,116	8,037	9,323	4,612	9,052	10,512
4000	1,927	3,668	4,231	2,701	5,088	5,856	4,333	8,460	9,814	4,855	9,528	11,065
4200	2,023	3,851	4,443	2,836	5,342	6,148	4,549	8,883	10,305	5,097	10,004	11,619
4400	2,120	4,035	4,654	2,971	5,597	6,441	4,766	9,306	10,795	5,340	10,481	12,172
4600	2,216	4,218	4,866	3,106	5,851	6,734	4,982	9,729	11,286	5,583	10,957	12,725
4800	2,312	4,402	5,077	3,241	6,106	7,027	5,199	10,152	11,777	5,826	11,434	13,279
5000	2,409	4,585	5,289	3,376	6,360	7,320	5,416	10,575	12,267	6,068	11,910	13,832
5200	2,505	4,768	5,500	3,511	6,614	7,612	5,632	10,998	12,758	6,311	12,386	14,385
5400	2,602	4,952	5,712	3,646	6,869	7,905	5,849	11,421	13,249	6,554	12,863	14,938
5600	2,698	5,135	5,923	3,781	7,123	8,198	6,066	11,844	13,740	6,797	13,339	15,492
5800	2,794	5,319	6,135	3,916	7,378	8,491	6,282	12,267	14,230	7,039	13,816	16,045
6000	2,891	5,502	6,347	4,051	7,632	8,784	6,499	12,690	14,721	7,282	14,292	16,598

Zehnder Nova

Overall height = 1647-1719 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)



Model	ZNH 161			ZNH 168		
T mm	47			47		
H mm	1647			1719		
H Lam mm	-			-		
Exp. N	1.3			1.3		
Length	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
500	434	843	976	452	878	1,017
600	520	1,011	1,171	542	1,054	1,221
700	607	1,180	1,367	633	1,229	1,424
800	694	1,348	1,562	723	1,405	1,628
900	781	1,517	1,757	814	1,580	1,831
1000	867	1,685	1,952	904	1,756	2,035
1100	954	1,854	2,148	994	1,932	2,238
1200	1,041	2,022	2,343	1,085	2,107	2,442
1300	1,128	2,191	2,538	1,175	2,283	2,645
1400	1,214	2,359	2,733	1,265	2,458	2,849
1500	1,301	2,528	2,929	1,356	2,634	3,052
1600	1,388	2,696	3,124	1,446	2,810	3,256
1700	1,475	2,865	3,319	1,537	2,985	3,459
1800	1,561	3,033	3,514	1,627	3,161	3,663
1900	1,648	3,202	3,710	1,717	3,336	3,866
2000	1,735	3,370	3,905	1,808	3,512	4,069
2200	1,908	3,707	4,295	1,989	3,863	4,476
2400	2,082	4,044	4,686	2,169	4,214	4,883
2600	2,255	4,381	5,076	2,350	4,566	5,290
2800	2,429	4,718	5,467	2,531	4,917	5,697
3000	2,602	5,055	5,857	2,712	5,268	6,104
3200	2,776	5,392	6,248	2,892	5,619	6,511
3400	2,949	5,729	6,638	3,073	5,970	6,918
3600	3,122	6,066	7,029	3,254	6,322	7,325
3800	3,296	6,403	7,419	3,435	6,673	7,732
4000	3,469	6,740	7,810	3,616	7,024	8,139
4200	3,643	7,077	8,200	3,796	7,375	8,546
4400	3,816	7,414	8,591	3,977	7,726	8,953
4600	3,990	7,751	8,981	4,158	8,078	9,360
4800	4,163	8,088	9,372	4,339	8,429	9,767
5000	4,337	8,425	9,762	4,520	8,780	10,174
5200	4,510	8,762	10,153	4,700	9,131	10,581
5400	4,684	9,099	10,543	4,881	9,482	10,988
5600	4,857	9,436	10,934	5,062	9,834	11,395
5800	5,031	9,773	11,324	5,243	10,185	11,801
6000	5,204	10,110	11,715	5,423	10,536	12,208







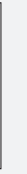
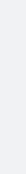
Zehnder Nova

Overall height = 600-800 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

Model		ZNV 060			ZNVL 060			ZNVV 060			ZNVLV 060			ZNV 080			ZNVL 080			ZNVV 080			ZNVLV 080		
Depth	mm	47			60			55			100			47			60			55			100		
Height	mm	600			600			600			600			800			800			800			800		
Exp.		1.26			1.3			1.31			1.34			1.26			1.31			1.32			1.35		
EN 442*	ΔT 50	46			69			68			84			59			87			89			108		
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
		30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
2	145.5	48	92	106	71	138	160	70	136	158	85	168	196	62	118	136	89	174	202	91	178	207	108	216	252
3	217	73	138	159	107	207	240	104	204	237	127	252	293	93	177	204	134	261	303	136	267	310	163	324	378
4	288.5	97	184	212	142	276	320	139	272	316	169	336	391	124	236	272	178	348	404	181	356	413	217	432	503
5	360	121	230	265	178	345	400	174	340	394	212	420	489	155	295	340	223	435	505	227	445	517	271	540	629
6	431.5	145	276	318	213	414	480	209	408	473	254	504	587	186	354	408	267	522	606	272	534	620	325	648	755
7	503	169	322	371	249	483	560	244	476	552	297	588	684	217	413	476	312	609	706	317	623	724	379	756	881
8	574.5	193	368	424	284	552	640	279	544	631	339	672	782	248	472	544	356	696	807	363	712	827	434	864	1,007
9	646	218	414	478	320	621	720	313	612	710	381	756	880	279	531	613	401	783	908	408	801	930	488	972	1,133
10	717.5	242	460	531	355	690	800	348	680	789	424	840	978	310	590	681	446	870	1,009	453	890	1,034	542	1,080	1,259
11	789	266	506	584	391	759	879	383	748	868	466	924	1,076	341	649	749	490	957	1,110	499	979	1,137	596	1,188	1,384
12	860.5	290	552	637	426	828	959	418	816	947	508	1,008	1,173	372	708	817	535	1,044	1,211	544	1,068	1,240	650	1,296	1,510
13	932	314	598	690	462	897	1,039	453	884	1,025	551	1,092	1,271	403	767	885	579	1,131	1,312	590	1,157	1,344	704	1,404	1,636
14	1003.5	338	644	743	497	966	1,119	488	952	1,104	593	1,176	1,369	434	826	953	624	1,218	1,413	635	1,246	1,447	759	1,512	1,762
15	1075	363	690	796	533	1,035	1,199	522	1,020	1,183	-	-	-	465	885	1,021	668	1,305	1,514	680	1,335	1,550	-	-	-
16	1146.5	387	736	849	568	1,104	1,279	557	1,088	1,262	-	-	-	496	944	1,089	713	1,392	1,615	726	1,424	1,654	-	-	-
17	1218	411	782	902	604	1,173	1,359	592	1,156	1,341	-	-	-	527	1,003	1,157	757	1,479	1,716	771	1,513	1,757	-	-	-
18	1289.5	435	828	955	639	1,242	1,439	627	1,224	1,420	-	-	-	558	1,062	1,225	802	1,566	1,817	816	1,602	1,861	-	-	-
19	1361	459	874	1,008	675	1,311	1,519	662	1,292	1,499	-	-	-	589	1,121	1,293	847	1,653	1,918	862	1,691	1,964	-	-	-
20	1432.5	483	920	1,061	710	1,380	1,599	696	1,360	1,578	-	-	-	620	1,180	1,361	891	1,740	2,018	907	1,780	2,067	-	-	-
21	1504	508	966	1,114	746	1,449	1,679	731	1,428	1,657	-	-	-	651	1,239	1,429	936	1,827	2,119	952	1,869	2,171	-	-	-
22	1575.5	532	1,012	1,167	781	1,518	1,759	766	1,496	1,735	-	-	-	682	1,298	1,497	980	1,914	2,220	998	1,958	2,274	-	-	-
23	1647	556	1,058	1,220	817	1,587	1,839	801	1,564	1,814	-	-	-	713	1,357	1,565	1,025	2,001	2,321	1,043	2,047	2,377	-	-	-
24	1718.5	580	1,104	1,273	852	1,656	1,919	836	1,632	1,893	-	-	-	744	1,416	1,633	1,069	2,088	2,422	1,088	2,136	2,481	-	-	-

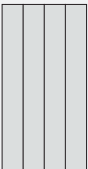
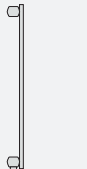
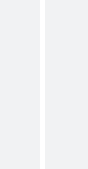

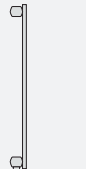
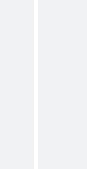


Zehnder Nova

Overall height = 1000-1200 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

																									
Model		ZNV 100			ZNVL100			ZNVV 100			ZNVLV 100			ZNV 120			ZNVL120			ZNVV 120			ZNVLV-120		
Depth	mm	47			60			55			100			47			60			55			100		
Height	mm	1000			1000			1000			1000			1200			1200			1200			1200		
Exp.		1.27			1.32			1.33			1.35			1.28			1.33			1.33			1.36		
EN 442*	$\Delta T 50$	72			104			108			133			85			121			127			156		
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
		30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
2	145.5	75	144	166	106	208	242	109	216	251	133	266	310	88	170	197	123	242	281	129	254	295	156	312	364
3	217	113	216	249	159	312	362	164	324	377	200	399	465	133	255	295	184	363	422	193	381	443	234	468	546
4	288.5	151	288	333	212	416	483	219	432	502	267	532	620	177	340	393	245	484	563	258	508	591	312	624	728
5	360	188	360	416	265	520	604	274	540	628	334	665	775	221	425	491	307	605	703	322	635	738	389	780	910
6	431.5	226	432	499	318	624	725	328	648	753	400	798	930	265	510	590	368	726	844	386	762	886	467	936	1,092
7	503	263	504	582	371	728	845	383	756	879	467	931	1,085	309	595	688	429	847	985	451	889	1,034	545	1,092	1,274
8	574.5	301	576	665	424	832	966	438	864	1,005	534	1,064	1,240	354	680	786	491	968	1,125	515	1,016	1,181	623	1,248	1,456
9	646	339	648	748	477	936	1,087	493	972	1,130	601	1,197	1,395	398	765	884	552	1,089	1,266	579	1,143	1,329	701	1,404	1,638
10	717.5	376	720	831	530	1,040	1,208	547	1,080	1,256	667	1,330	1,550	442	850	983	613	1,210	1,407	644	1,270	1,477	779	1,560	1,820
11	789	414	792	915	583	1,144	1,329	602	1,188	1,381	734	1,463	1,705	486	935	1,081	675	1,331	1,548	708	1,397	1,624	857	1,716	2,002
12	860.5	452	864	998	636	1,248	1,449	657	1,296	1,507	801	1,596	1,860	530	1,020	1,179	736	1,452	1,688	773	1,524	1,772	935	1,872	2,184
13	932	489	936	1,081	689	1,352	1,570	712	1,404	1,632	868	1,729	2,015	575	1,105	1,278	797	1,573	1,829	837	1,651	1,920	1,012	2,028	2,366
14	1003.5	527	1,008	1,164	742	1,456	1,691	766	1,512	1,758	934	1,862	2,170	619	1,190	1,376	859	1,694	1,970	901	1,778	2,067	1,090	2,184	2,548
15	1075	565	1,080	1,247	795	1,560	1,812	821	1,620	1,884	-	-	-	663	1,275	1,474	920	1,815	2,110	966	1,905	2,215	-	-	-
16	1146.5	602	1,152	1,330	848	1,664	1,933	876	1,728	2,009	-	-	-	707	1,360	1,572	981	1,936	2,251	1,030	2,032	2,363	-	-	-
17	1218	640	1,224	1,413	901	1,768	2,053	931	1,836	2,135	-	-	-	751	1,445	1,671	1,043	2,057	2,392	1,094	2,159	2,510	-	-	-
18	1289.5	677	1,296	1,497	954	1,872	2,174	985	1,944	2,260	-	-	-	796	1,530	1,769	1,104	2,178	2,532	1,159	2,286	2,658	-	-	-
19	1361	715	1,368	1,580	1,007	1,976	2,295	1,040	2,052	2,386	-	-	-	840	1,615	1,867	1,165	2,299	2,673	1,223	2,413	2,806	-	-	-
20	1432.5	753	1,440	1,663	1,060	2,080	2,416	1,095	2,160	2,511	-	-	-	884	1,700	1,965	1,227	2,420	2,814	1,288	2,540	2,953	-	-	-
21	1504	790	1,512	1,746	1,113	2,184	2,536	1,150	2,268	2,637	-	-	-	928	1,785	2,064	1,288	2,541	2,954	1,352	2,667	3,101	-	-	-
22	1575.5	828	1,584	1,829	1,166	2,288	2,657	1,204	2,376	2,763	-	-	-	972	1,870	2,162	1,349	2,662	3,095	1,416	2,794	3,249	-	-	-
23	1647	866	1,656	1,912	1,219	2,392	2,778	1,259	2,484	2,888	-	-	-	1,017	1,955	2,260	1,411	2,783	3,236	1,481	2,921	3,396	-	-	-
24	1718.5	903	1,728	1,995	1,272	2,496	2,899	1,314	2,592	3,014	-	-	-	1,061	2,040	2,358	1,472	2,904	3,376	1,545	3,048	3,544	-	-	-





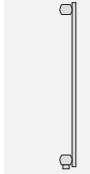
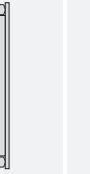


Zehnder Nova

Overall height = 1400–1600 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																									
Model		ZNV 140			ZNVL140			ZNVV 140			ZNVLV 140			ZNV 160			ZNVL160			ZNVV 160			ZNVLV 160		
Depth	mm	47			60			55			100			47			60			55			100		
Height	mm	1400			1400			1400			1400			1600			1600			1600			1600		
Exp.		1.29			1.34			1.34			1.36			1.29			1.34			1.34			1.37		
EN 442*	ΔT 50	98			137			145			180			111			152			163			203		
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT
		30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
2	145.5	101	196	227	138	274	319	146	290	338	180	360	420	115	222	257	153	304	354	164	326	379	202	406	474
3	217	152	294	340	207	411	478	219	435	506	270	540	630	172	333	385	230	456	531	247	489	569	302	609	711
4	288.5	203	392	454	276	548	638	293	580	675	359	720	840	230	444	514	307	608	708	329	652	759	403	812	948
5	360	254	490	567	345	685	797	366	725	844	449	900	1,050	287	555	642	383	760	885	411	815	949	504	1,015	1,185
6	431.5	304	588	681	415	822	957	439	870	1,013	539	1,080	1,260	345	666	771	460	912	1,062	493	978	1,138	605	1,218	1,423
7	503	355	686	794	484	959	1,116	512	1,015	1,181	629	1,260	1,470	402	777	899	537	1,064	1,238	575	1,141	1,328	706	1,421	1,660
8	574.5	406	784	907	553	1,096	1,276	585	1,160	1,350	719	1,440	1,680	459	888	1,028	613	1,216	1,415	658	1,304	1,518	807	1,624	1,897
9	646	456	882	1,021	622	1,233	1,435	658	1,305	1,519	809	1,620	1,890	517	999	1,156	690	1,368	1,592	740	1,467	1,708	907	1,827	2,134
10	717.5	507	980	1,134	691	1,370	1,595	731	1,450	1,688	899	1,800	2,100	574	1,110	1,285	767	1,520	1,769	822	1,630	1,897	1,008	2,030	2,371
11	789	558	1,078	1,248	760	1,507	1,754	804	1,595	1,857	988	1,980	2,310	632	1,221	1,413	843	1,672	1,946	904	1,793	2,087	1,109	2,233	2,608
12	860.5	608	1,176	1,361	829	1,644	1,914	878	1,740	2,025	1,078	2,160	2,520	689	1,332	1,542	920	1,824	2,123	986	1,956	2,277	1,210	2,436	2,845
13	932	659	1,274	1,475	898	1,781	2,073	951	1,885	2,194	1,168	2,340	2,730	747	1,443	1,670	997	1,976	2,300	1,069	2,119	2,467	1,311	2,639	3,082
14	1003.5	710	1,372	1,588	967	1,918	2,233	1,024	2,030	2,363	1,258	2,520	2,940	804	1,554	1,799	1,073	2,128	2,477	1,151	2,282	2,656	1,412	2,842	3,319
15	1075	761	1,470	1,701	1,036	2,055	2,392	1,097	2,175	2,532	-	-	-	861	1,665	1,927	1,150	2,280	2,654	1,233	2,445	2,846	-	-	-
16	1146.5	811	1,568	1,815	1,106	2,192	2,551	1,170	2,320	2,700	-	-	-	919	1,776	2,056	1,227	2,432	2,831	1,315	2,608	3,036	-	-	-
17	1218	862	1,666	1,928	1,175	2,329	2,711	1,243	2,465	2,869	-	-	-	976	1,887	2,184	1,303	2,584	3,008	1,398	2,771	3,225	-	-	-
18	1289.5	913	1,764	2,042	1,244	2,466	2,870	1,316	2,610	3,038	-	-	-	1,034	1,998	2,313	1,380	2,736	3,185	1,480	2,934	3,415	-	-	-
19	1361	963	1,862	2,155	1,313	2,603	3,030	1,389	2,755	3,207	-	-	-	1,091	2,109	2,441	1,457	2,888	3,362	1,562	3,097	3,605	-	-	-
20	1432.5	1,014	1,960	2,269	1,382	2,740	3,189	1,463	2,900	3,376	-	-	-	1,149	2,220	2,569	1,533	3,040	3,539	1,644	3,260	3,795	-	-	-
21	1504	1,065	2,058	2,382	1,451	2,877	3,349	1,536	3,045	3,544	-	-	-	1,206	2,331	2,698	1,610	3,192	3,715	1,726	3,423	3,984	-	-	-
22	1575.5	1,115	2,156	2,495	1,520	3,014	3,508	1,609	3,190	3,713	-	-	-	1,263	2,442	2,826	1,687	3,344	3,892	1,809	3,586	4,174	-	-	-
23	1647	1,166	2,254	2,609	1,589	3,151	3,668	1,682	3,335	3,882	-	-	-	1,321	2,553	2,955	1,763	3,496	4,069	1,891	3,749	4,364	-	-	-
24	1718.5	1,217	2,352	2,722	1,658	3,288	3,827	1,755	3,480	4,051	-	-	-	1,378	2,664	3,083	1,840	3,648	4,246	1,973	3,912	4,554	-	-	-

Zehnder Nova

Overall height = 1800–2000 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

																													
Model		ZNV-180			ZNVL-180			ZNVV-180			ZNVLV-180			ZNV-190			ZNV-200			ZNVL-200			ZNVV-200			ZNVLV-200			
Depth	mm	47			60			55			100			47			47			60			55			100			
Height	mm	1800			1800			1800			1800			1900			2000			2000			2000			2000			
Exp.		1.3			1.35			1.34			1.37			1.3			1.3			1.34			1.34			1.37			
EN 442*	ΔT 50	124			167			181			225			131			137			182			198			248			
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	
		30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30
2	145.5	128	248	287	168	334	389	183	362	421	224	450	526	135	262	304	141	274	317	184	364	424	200	396	461	246	496	579	
3	217	191	372	431	251	501	584	274	543	632	335	675	788	202	393	455	212	411	476	275	546	636	300	594	691	370	744	869	
4	288.5	255	496	575	335	668	778	365	724	843	447	900	1,051	270	524	607	282	548	635	367	728	847	399	792	922	493	992	1,159	
5	360	319	620	718	419	835	973	456	905	1,053	559	1,125	1,314	337	655	759	353	685	794	459	910	1,059	499	990	1,152	616	1,240	1,448	
6	431.5	383	744	862	503	1,002	1,168	548	1,086	1,264	671	1,350	1,577	405	786	911	423	822	952	551	1,092	1,271	599	1,188	1,383	739	1,488	1,738	
7	503	447	868	1,006	587	1,169	1,362	639	1,267	1,475	782	1,575	1,840	472	917	1,063	494	959	1,111	643	1,274	1,483	699	1,386	1,613	862	1,736	2,028	
8	574.5	511	992	1,149	670	1,336	1,557	730	1,448	1,685	894	1,800	2,102	539	1,048	1,214	564	1,096	1,270	734	1,456	1,695	799	1,584	1,844	985	1,984	2,317	
9	646	574	1,116	1,293	754	1,503	1,751	822	1,629	1,896	1,006	2,025	2,365	607	1,179	1,366	635	1,233	1,429	826	1,638	1,907	899	1,782	2,074	1,109	2,232	2,607	
10	717.5	638	1,240	1,437	838	1,670	1,946	913	1,810	2,107	1,118	2,250	2,628	674	1,310	1,518	705	1,370	1,587	918	1,820	2,118	999	1,980	2,305	1,232	2,480	2,897	
11	789	702	1,364	1,581	922	1,837	2,141	1,004	1,991	2,318	1,229	2,475	2,891	742	1,441	1,670	776	1,507	1,746	1,010	2,002	2,330	1,098	2,178	2,535	1,355	2,728	3,186	
12	860.5	766	1,488	1,724	1,006	2,004	2,335	1,095	2,172	2,528	1,341	2,700	3,153	809	1,572	1,822	846	1,644	1,905	1,101	2,184	2,542	1,198	2,376	2,766	1,478	2,976	3,476	
13	932	830	1,612	1,868	1,089	2,171	2,530	1,187	2,353	2,739	1,453	2,925	3,416	877	1,703	1,973	917	1,781	2,064	1,193	2,366	2,754	1,298	2,574	2,996	1,601	3,224	3,766	
14	1003.5	894	1,736	2,012	1,173	2,338	2,725	1,278	2,534	2,950	1,565	3,150	3,679	944	1,834	2,125	987	1,918	2,222	1,285	2,548	2,966	1,398	2,772	3,227	1,724	3,472	4,055	
15	1075	957	1,860	2,155	1,257	2,505	2,919	1,369	2,715	3,160	-	-	-	1,011	1,965	2,277	1,058	2,055	2,381	1,377	2,730	3,178	1,498	2,970	3,457	-	-	-	
16	1146.5	1,021	1,984	2,299	1,341	2,672	3,114	1,461	2,896	3,371	-	-	-	1,079	2,096	2,429	1,128	2,192	2,540	1,469	2,912	3,390	1,598	3,168	3,688	-	-	-	
17	1218	1,085	2,108	2,443	1,425	2,839	3,308	1,552	3,077	3,582	-	-	-	1,146	2,227	2,580	1,199	2,329	2,699	1,560	3,094	3,601	1,698	3,366	3,918	-	-	-	
18	1289.5	1,149	2,232	2,586	1,508	3,006	3,503	1,643	3,258	3,792	-	-	-	1,214	2,358	2,732	1,269	2,466	2,857	1,652	3,276	3,813	1,797	3,564	4,148	-	-	-	
19	1361	1,213	2,356	2,730	1,592	3,173	3,698	1,734	3,439	4,003	-	-	-	1,281	2,489	2,884	1,340	2,603	3,016	1,744	3,458	4,025	1,897	3,762	4,379	-	-	-	
20	1432.5	1,277	2,480	2,874	1,676	3,340	3,892	1,826	3,620	4,214	-	-	-	1,349	2,620	3,036	1,410	2,740	3,175	1,836	3,640	4,237	1,997	3,960	4,609	-	-	-	
21	1504	1,340	2,604	3,017	1,760	3,507	4,087	1,917	3,801	4,424	-	-	-	1,416	2,751	3,188	1,481	2,877	3,334	1,928	3,822	4,449	2,097	4,158	4,840	-	-	-	
22	1575.5	1,404	2,728	3,161	1,844	3,674	4,281	2,008	3,982	4,635	-	-	-	1,484	2,882	3,339	1,551	3,014	3,492	2,019	4,004	4,661	2,197	4,356	5,070	-	-	-	
23	1647	1,468	2,852	3,305	1,927	3,841	4,476	2,100	4,163	4,846	-	-	-	1,551	3,013	3,491	1,622	3,151	3,651	2,111	4,186	4,872	2,297	4,554	5,301	-	-	-	
24	1718.5	1,532	2,976	3,448	2,011	4,008	4,671	2,191	4,344	5,056	-	-	-	1,618	3,144	3,643	1,692	3,288	3,810	2,203	4,368	5,084	2,397	4,752	5,531	-	-	-	

Zehnder Nova

Overall height = 2200-2400 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

Model		ZNV-220			ZNVL-220			ZNVV-220			ZNVLV-220			ZNV-240			ZNVL-240			ZNVV-240			ZNVLV-240		
Depth	mm	47			60			55			100			47			60			55			100		
Height	mm	2200			2200			2200			2200			2400			2400			2400			2400		
Exp.		1.3			1.33			1.34			1.37			1.3			1.32			1.33			1.36		
EN 442*	$\Delta T 50$	151			196			215			270			164			210			232			292		
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	
		30	50	56	30	50	56	30	50	56	$\Delta T 30$	50	56	30	50	56	30	50	56	$\Delta T 30$	50	56	30	50	56
2	145.5	155	302	350	199	392	456	217	430	501	268	540	631	169	328	380	214	420	488	235	464	539	292	584	681
3	217	233	453	525	298	588	684	325	645	751	402	810	946	253	492	570	321	630	732	353	696	809	437	876	1,022
4	288.5	311	604	700	397	784	912	434	860	1,001	536	1,080	1,261	338	656	760	428	840	976	470	928	1,079	583	1,168	1,363
5	360	389	755	875	497	980	1,139	542	1,075	1,251	671	1,350	1,577	422	820	950	535	1,050	1,219	588	1,160	1,349	729	1,460	1,703
6	431.5	466	906	1,050	596	1,176	1,367	651	1,290	1,502	805	1,620	1,892	507	984	1,140	642	1,260	1,463	706	1,392	1,618	875	1,752	2,044
7	503	544	1,057	1,225	695	1,372	1,595	759	1,505	1,752	939	1,890	2,207	591	1,148	1,330	749	1,470	1,707	823	1,624	1,888	1,020	2,044	2,385
8	574.5	622	1,208	1,400	795	1,568	1,823	867	1,720	2,002	1,073	2,160	2,523	675	1,312	1,520	856	1,680	1,951	941	1,856	2,158	1,166	2,336	2,725
9	646	700	1,359	1,575	894	1,764	2,051	976	1,935	2,252	1,207	2,430	2,838	760	1,476	1,710	963	1,890	2,195	1,058	2,088	2,428	1,312	2,628	3,066
10	717.5	777	1,510	1,750	994	1,960	2,279	1,084	2,150	2,503	1,341	2,700	3,153	844	1,640	1,900	1,070	2,100	2,439	1,176	2,320	2,697	1,458	2,920	3,407
11	789	855	1,661	1,925	1,093	2,156	2,507	1,193	2,365	2,753	1,475	2,970	3,469	929	1,804	2,090	1,177	2,310	2,683	1,294	2,552	2,967	1,603	3,212	3,747
12	860.5	933	1,812	2,100	1,192	2,352	2,735	1,301	2,580	3,003	1,609	3,240	3,784	1,013	1,968	2,280	1,284	2,520	2,927	1,411	2,784	3,237	1,749	3,504	4,088
13	932	1,010	1,963	2,275	1,292	2,548	2,963	1,410	2,795	3,253	1,743	3,510	4,100	1,097	2,132	2,470	1,391	2,730	3,171	1,529	3,016	3,507	1,895	3,796	4,429
14	1003.5	1,088	2,114	2,450	1,391	2,744	3,190	1,518	3,010	3,504	1,877	3,780	4,415	1,182	2,296	2,660	1,498	2,940	3,414	1,646	3,248	3,776	2,041	4,088	4,769
15	1075	1,166	2,265	2,625	1,490	2,940	3,418	1,626	3,225	3,754	-	-	-	1,266	2,460	2,850	1,605	3,150	3,658	-	-	-	-	-	-
16	1146.5	1,244	2,416	2,799	1,590	3,136	3,646	1,735	3,440	4,004	-	-	-	1,351	2,624	3,041	1,712	3,360	3,902	-	-	-	-	-	-
17	1218	1,321	2,567	2,974	1,689	3,332	3,874	1,843	3,655	4,254	-	-	-	1,435	2,788	3,231	1,819	3,570	4,146	-	-	-	-	-	-
18	1289.5	1,399	2,718	3,149	1,788	3,528	4,102	1,952	3,870	4,505	-	-	-	1,520	2,952	3,421	1,926	3,780	4,390	-	-	-	-	-	-
19	1361	1,477	2,869	3,324	1,888	3,724	4,330	2,060	4,085	4,755	-	-	-	1,604	3,116	3,611	2,033	3,990	4,634	-	-	-	-	-	-
20	1432.5	1,555	3,020	3,499	1,987	3,920	4,558	2,169	4,300	5,005	-	-	-	1,688	3,280	3,801	2,140	4,200	4,878	-	-	-	-	-	-
21	1504	1,632	3,171	3,674	2,086	4,116	4,786	2,277	4,515	5,255	-	-	-	1,773	3,444	3,991	2,247	4,410	5,122	-	-	-	-	-	-
22	1575.5	1,710	3,322	3,849	2,186	4,312	5,013	2,386	4,730	5,506	-	-	-	1,857	3,608	4,181	2,354	4,620	5,365	-	-	-	-	-	-
23	1647	1,788	3,473	4,024	2,285	4,508	5,241	2,494	4,945	5,756	-	-	-	1,942	3,772	4,371	2,461	4,830	5,609	-	-	-	-	-	-
24	1718.5	1,865	3,624	4,199	2,385	4,704	5,469	2,602	5,160	6,006	-	-	-	2,026	3,936	4,561	2,568	5,040	5,853	-	-	-	-	-	-

Zehnder Nova

Overall height = 2600–3000 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

Model		ZNV-260			ZNVV-260			ZNV-280			ZNVV-280			ZNV-300			ZNVV-300		
Depth	mm	47			55			47			55			47			55		
Height	mm	2600			2600			2800			2800			3000			3000		
Exp.	1.3			1.33			1.3			1.33			1.31			1.32			
EN 442*	$\Delta T 50$	178			248			191			264			205			280		
Sections	Length mm	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
2	145.5	183	356	413	251	496	577	197	382	443	268	528	614	210	410	476	285	560	650
3	217	275	534	619	377	744	865	295	573	664	401	792	921	315	615	713	428	840	976
4	288.5	367	712	825	503	992	1,153	393	764	885	535	1,056	1,228	420	820	951	571	1,120	1,301
5	360	458	890	1,031	629	1,240	1,442	492	955	1,107	669	1,320	1,535	525	1,025	1,189	713	1,400	1,626
6	431.5	550	1,068	1,238	754	1,488	1,730	590	1,146	1,328	803	1,584	1,842	630	1,230	1,427	856	1,680	1,951
7	503	641	1,246	1,444	880	1,736	2,018	688	1,337	1,549	937	1,848	2,149	735	1,435	1,665	999	1,960	2,276
8	574.5	733	1,424	1,650	1,006	1,984	2,307	787	1,528	1,771	1,071	2,112	2,456	840	1,640	1,902	1,141	2,240	2,601
9	646	825	1,602	1,856	1,131	2,232	2,595	885	1,719	1,992	1,204	2,376	2,763	945	1,845	2,140	1,284	2,520	2,927
10	717.5	916	1,780	2,063	1,257	2,480	2,883	983	1,910	2,213	1,338	2,640	3,069	1,050	2,050	2,378	1,427	2,800	3,252
11	789	1,008	1,958	2,269	1,383	2,728	3,172	1,081	2,101	2,434	1,472	2,904	3,376	1,155	2,255	2,616	1,569	3,080	3,577
12	860.5	1,100	2,136	2,475	1,509	2,976	3,460	1,180	2,292	2,656	1,606	3,168	3,683	1,260	2,460	2,854	1,712	3,360	3,902
13	932	1,191	2,314	2,681	1,634	3,224	3,748	1,278	2,483	2,877	1,740	3,432	3,990	1,365	2,665	3,092	1,855	3,640	4,227
14	1003.5	1,283	2,492	2,888	1,760	3,472	4,037	1,376	2,674	3,098	1,874	3,696	4,297	1,470	2,870	3,329	1,997	3,920	4,553
15	1075	1,374	2,670	3,094	-	-	-	1,475	2,865	3,320	-	-	-	1,575	3,075	3,567	-	-	-
16	1146.5	1,466	2,848	3,300	-	-	-	1,573	3,056	3,541	-	-	-	1,680	3,280	3,805	-	-	-
17	1218	1,558	3,026	3,506	-	-	-	1,671	3,247	3,762	-	-	-	1,785	3,485	4,043	-	-	-
18	1289.5	1,649	3,204	3,713	-	-	-	1,770	3,438	3,984	-	-	-	1,890	3,690	4,281	-	-	-
19	1361	1,741	3,382	3,919	-	-	-	1,868	3,629	4,205	-	-	-	1,995	3,895	4,518	-	-	-
20	1432.5	1,833	3,560	4,125	-	-	-	1,966	3,820	4,426	-	-	-	2,100	4,100	4,756	-	-	-
21	1504	1,924	3,738	4,331	-	-	-	2,065	4,011	4,648	-	-	-	2,205	4,305	4,994	-	-	-
22	1575.5	2,016	3,916	4,538	-	-	-	2,163	4,202	4,869	-	-	-	2,310	4,510	5,232	-	-	-
23	1647	2,107	4,094	4,744	-	-	-	2,261	4,393	5,090	-	-	-	2,415	4,715	5,470	-	-	-
24	1718.5	2,199	4,272	4,950	-	-	-	2,360	4,584	5,312	-	-	-	2,520	4,920	5,707	-	-	-

Zehnder Nova

Overall height = 3200–3600 mm $\Phi_L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

Model		ZNV-320			ZNVV-320			ZNV-340			ZNVV-340			ZNVV-350			ZNV-360			ZNVV-360		
Depth	mm	47			55			47			55			55			47			55		
Height	mm	3200			3200			3400			3400			3500			3600			3600		
Exp.		1.31			1.32			1.31			1.32			1.32			1.31			1.32		
EN 442*	$\Delta T 50$	219			296			234			311			319			248			326		
Sections	Length mm	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	ΔT	
		30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56	30	50	56
2	145.5	224	438	508	302	592	688	240	468	543	317	622	722	325	638	741	254	496	575	332	652	757
3	217	336	657	762	452	888	1,031	360	702	814	475	933	1,084	488	957	1,111	381	744	863	498	978	1,136
4	288.5	449	876	1,016	603	1,184	1,375	479	936	1,086	634	1,244	1,445	650	1,276	1,482	508	992	1,151	664	1,304	1,514
5	360	561	1,095	1,270	754	1,480	1,719	599	1,170	1,357	792	1,555	1,806	813	1,595	1,852	635	1,240	1,438	831	1,630	1,893
6	431.5	673	1,314	1,524	905	1,776	2,063	719	1,404	1,629	951	1,866	2,167	975	1,914	2,223	762	1,488	1,726	997	1,956	2,272
7	503	785	1,533	1,778	1,056	2,072	2,406	839	1,638	1,900	1,109	2,177	2,528	1,138	2,233	2,593	889	1,736	2,014	1,163	2,282	2,650
8	574.5	897	1,752	2,032	1,207	2,368	2,750	959	1,872	2,172	1,268	2,488	2,889	1,300	2,552	2,964	1,016	1,984	2,302	1,329	2,608	3,029
9	646	1,009	1,971	2,286	1,357	2,664	3,094	1,079	2,106	2,443	1,426	2,799	3,251	1,463	2,871	3,334	1,143	2,232	2,589	1,495	2,934	3,407
10	717.5	1,122	2,190	2,541	1,508	2,960	3,438	1,198	2,340	2,715	1,585	3,110	3,612	1,625	3,190	3,705	1,270	2,480	2,877	1,661	3,260	3,786
11	789	1,234	2,409	2,795	1,659	3,256	3,781	1,318	2,574	2,986	1,743	3,421	3,973	1,788	3,509	4,075	1,397	2,728	3,165	1,827	3,586	4,165
12	860.5	1,346	2,628	3,049	1,810	3,552	4,125	1,438	2,808	3,257	1,902	3,732	4,334	1,950	3,828	4,446	1,524	2,976	3,452	1,993	3,912	4,543
13	932	1,458	2,847	3,303	1,961	3,848	4,469	1,558	3,042	3,529	2,060	4,043	4,695	2,113	4,147	4,816	1,651	3,224	3,740	2,159	4,238	4,922
14	1003.5	1,570	3,066	3,557	2,111	4,144	4,813	1,678	3,276	3,800	2,218	4,354	5,057	2,276	4,466	5,187	1,778	3,472	4,028	2,325	4,564	5,300
15	1075	1,682	3,285	3,811	-	-	-	1,798	3,510	4,072	-	-	-	-	-	-	1,905	3,720	4,315	-	-	-
16	1146.5	1,794	3,504	4,065	-	-	-	1,917	3,744	4,343	-	-	-	-	-	-	2,032	3,968	4,603	-	-	-
17	1218	1,907	3,723	4,319	-	-	-	2,037	3,978	4,615	-	-	-	-	-	-	2,159	4,216	4,891	-	-	-
18	1289.5	2,019	3,942	4,573	-	-	-	2,157	4,212	4,886	-	-	-	-	-	-	2,286	4,464	5,178	-	-	-
19	1361	2,131	4,161	4,827	-	-	-	2,277	4,446	5,158	-	-	-	-	-	-	2,413	4,712	5,466	-	-	-
20	1432.5	2,243	4,380	5,081	-	-	-	2,397	4,680	5,429	-	-	-	-	-	-	2,540	4,960	5,754	-	-	-
21	1504	2,355	4,599	5,335	-	-	-	2,517	4,914	5,700	-	-	-	-	-	-	2,667	5,208	6,042	-	-	-
22	1575.5	2,467	4,818	5,589	-	-	-	2,636	5,148	5,972	-	-	-	-	-	-	2,794	5,456	6,329	-	-	-
23	1647	2,580	5,037	5,843	-	-	-	2,756	5,382	6,243	-	-	-	-	-	-	2,921	5,704	6,617	-	-	-
24	1718.5	2,692	5,256	6,097	-	-	-	2,876	5,616	6,515	-	-	-	-	-	-	3,048	5,952	6,905	-	-	-

Zehnder Nova

Overall height = 3800–4200 mm $\Phi L = \Delta T 50 \text{ K EN 442 (SN 384.501-503)}$

Model		ZNV-380			ZNVV-380			ZNV-400			ZNVV-400			ZNV-420			ZNVV-420		
Depth	mm	47			55			47			55			47			55		
Height	mm	3800			3800			4000			4000			4200			4200		
Exp.	1.32			1.32			1.32			1.32			1.32			1.32			
EN 442*	$\Delta T 50$	263			341			278			356			293			370		
Sections	Length mm	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
2	145.5	268	526	611	347	682	792	283	556	646	363	712	827	299	586	681	377	740	859
3	217	402	789	916	521	1,023	1,188	425	834	969	544	1,068	1,240	448	879	1,021	566	1,110	1,289
4	288.5	536	1,052	1,222	695	1,364	1,584	567	1,112	1,291	726	1,424	1,654	597	1,172	1,361	754	1,480	1,719
5	360	670	1,315	1,527	869	1,705	1,980	708	1,390	1,614	907	1,780	2,067	746	1,465	1,701	943	1,850	2,149
6	431.5	804	1,578	1,833	1,042	2,046	2,376	850	1,668	1,937	1,088	2,136	2,481	896	1,758	2,042	1,131	2,220	2,578
7	503	938	1,841	2,138	1,216	2,387	2,772	992	1,946	2,260	1,270	2,492	2,894	1,045	2,051	2,382	1,320	2,590	3,008
8	574.5	1,072	2,104	2,444	1,390	2,728	3,168	1,133	2,224	2,583	1,451	2,848	3,308	1,194	2,344	2,722	1,508	2,960	3,438
9	646	1,206	2,367	2,749	1,564	3,069	3,564	1,275	2,502	2,906	1,632	3,204	3,721	1,344	2,637	3,063	1,697	3,330	3,867
10	717.5	1,340	2,630	3,054	1,737	3,410	3,960	1,416	2,780	3,229	1,814	3,560	4,134	1,493	2,930	3,403	1,885	3,700	4,297
11	789	1,474	2,893	3,360	1,911	3,751	4,356	1,558	3,058	3,551	1,995	3,916	4,548	1,642	3,223	3,743	2,074	4,070	4,727
12	860.5	1,608	3,156	3,665	2,085	4,092	4,752	1,700	3,336	3,874	2,177	4,272	4,961	1,791	3,516	4,083	2,262	4,440	5,156
13	932	1,742	3,419	3,971	2,259	4,433	5,148	1,841	3,614	4,197	2,358	4,628	5,375	1,941	3,809	4,424	2,451	4,810	5,586
14	1003.5	1,876	3,682	4,276	2,432	4,774	5,544	1,983	3,892	4,520	2,539	4,984	5,788	2,090	4,102	4,764	2,639	5,180	6,016
15	1075	2,010	3,945	4,582	-	-	-	2,125	4,170	4,843	-	-	-	2,239	4,395	5,104	-	-	-
16	1146.5	2,144	4,208	4,887	-	-	-	2,266	4,448	5,166	-	-	-	2,389	4,688	5,444	-	-	-
17	1218	2,278	4,471	5,192	-	-	-	2,408	4,726	5,489	-	-	-	2,538	4,981	5,785	-	-	-
18	1289.5	2,412	4,734	5,498	-	-	-	2,550	5,004	5,811	-	-	-	2,687	5,274	6,125	-	-	-
19	1361	2,546	4,997	5,803	-	-	-	2,691	5,282	6,134	-	-	-	2,836	5,567	6,465	-	-	-
20	1432.5	2,680	5,260	6,109	-	-	-	2,833	5,560	6,457	-	-	-	2,986	5,860	6,806	-	-	-
21	1504	2,814	5,523	6,414	-	-	-	2,975	5,838	6,780	-	-	-	3,135	6,153	7,146	-	-	-
22	1575.5	2,948	5,786	6,720	-	-	-	3,116	6,116	7,103	-	-	-	3,284	6,446	7,486	-	-	-
23	1647	3,082	6,049	7,025	-	-	-	3,258	6,394	7,426	-	-	-	3,434	6,739	7,826	-	-	-
24	1718.5	3,216	6,312	7,331	-	-	-	3,400	6,672	7,749	-	-	-	3,583	7,032	8,167	-	-	-

Zehnder Nova

Overall height = 4400–4600 mm $\Phi_L = \Delta T$ 50 K EN 442 (SN 384.501-503)

Model		ZNV-440			ZNVV-440			ZNVV-460			ZNV-460		
Depth	mm	47			55			55			47		
Height	mm	4400			4400			4600			4600		
Exp.		1.33			1.31			1.31			1.33		
EN 442*	ΔT 50	308			385			399			324		
Sections	Length mm	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56	ΔT 30	ΔT 50	ΔT 56
2	145.5	312	616	716	394	770	893	409	798	926	328	648	753
3	217	468	924	1,074	592	1,155	1,340	613	1,197	1,389	493	972	1,130
4	288.5	625	1,232	1,432	789	1,540	1,786	817	1,596	1,851	657	1,296	1,507
5	360	781	1,540	1,791	986	1,925	2,233	1,022	1,995	2,314	821	1,620	1,884
6	431.5	937	1,848	2,149	1,183	2,310	2,680	1,226	2,394	2,777	985	1,944	2,260
7	503	1,093	2,156	2,507	1,380	2,695	3,126	1,430	2,793	3,240	1,150	2,268	2,637
8	574.5	1,249	2,464	2,865	1,577	3,080	3,573	1,635	3,192	3,703	1,314	2,592	3,014
9	646	1,405	2,772	3,223	1,775	3,465	4,020	1,839	3,591	4,166	1,478	2,916	3,390
10	717.5	1,561	3,080	3,581	1,972	3,850	4,466	2,043	3,990	4,629	1,642	3,240	3,767
11	789	1,717	3,388	3,939	2,169	4,235	4,913	2,248	4,389	5,091	1,807	3,564	4,144
12	860.5	1,874	3,696	4,297	2,366	4,620	5,359	2,452	4,788	5,554	1,971	3,888	4,520
13	932	2,030	4,004	4,655	2,563	5,005	5,806	2,656	5,187	6,017	2,135	4,212	4,897
14	1003.5	2,186	4,312	5,013	2,760	5,390	6,253	2,861	5,586	6,480	2,299	4,536	5,274
15	1075	2,342	4,620	5,372	-	-	-	-	-	-	2,464	4,860	5,651
16	1146.5	2,498	4,928	5,730	-	-	-	-	-	-	2,628	5,184	6,027
17	1218	2,654	5,236	6,088	-	-	-	-	-	-	2,792	5,508	6,404
18	1289.5	2,810	5,544	6,446	-	-	-	-	-	-	2,956	5,832	6,781
19	1361	2,967	5,852	6,804	-	-	-	-	-	-	3,121	6,156	7,157
20	1432.5	3,123	6,160	7,162	-	-	-	-	-	-	3,285	6,480	7,534
21	1504	3,279	6,468	7,520	-	-	-	-	-	-	3,449	6,804	7,911
22	1575.5	3,435	6,776	7,878	-	-	-	-	-	-	3,613	7,128	8,288
23	1647	3,591	7,084	8,236	-	-	-	-	-	-	3,778	7,452	8,664
24	1718.5	3,747	7,392	8,595	-	-	-	-	-	-	3,942	7,776	9,041

Zehnder Nova

Notes
