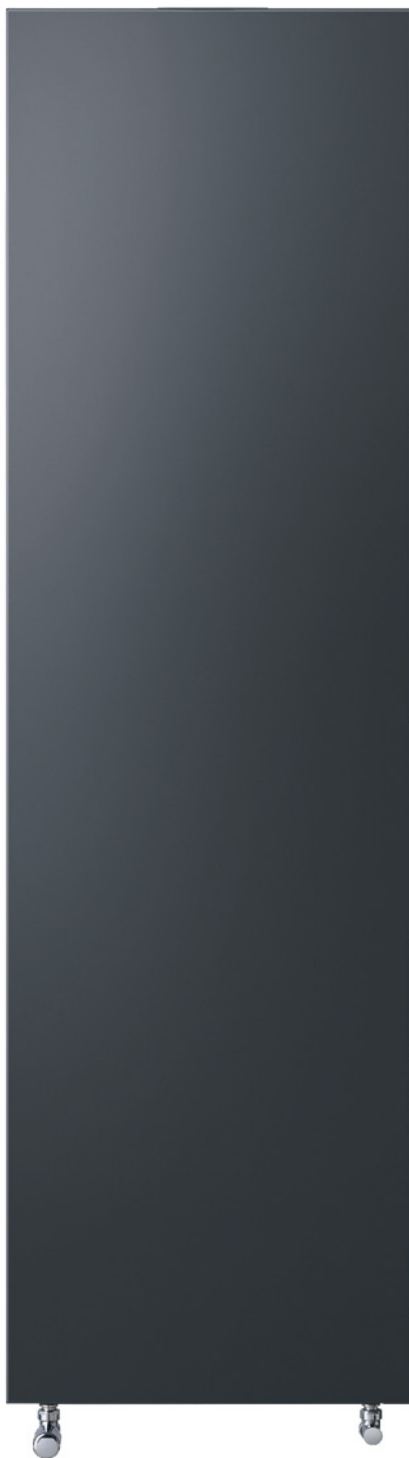

RUNTAL ARTEPLANO

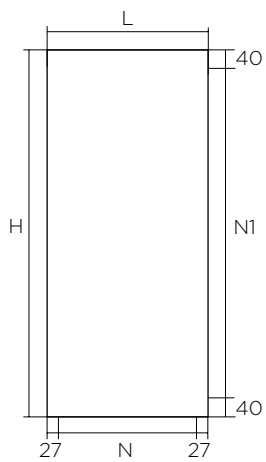
PRICE LIST



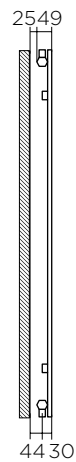
runtal

RUNTAL ARTEPLANO TECHNICAL SPECIFICATIONS

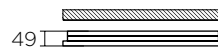
CENTRAL HEATING VERSION - MODEL HA VERTICAL SIMPLE



FRONT VIEW

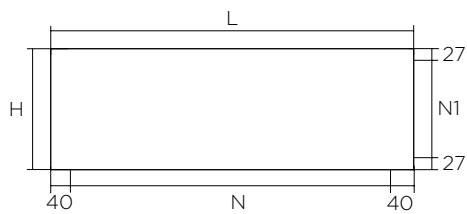


SIDE VIEW

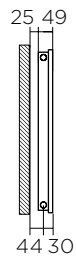


TOP VIEW

CENTRAL HEATING VERSION - MODEL VA HORIZONTAL SIMPLE



FRONT VIEW



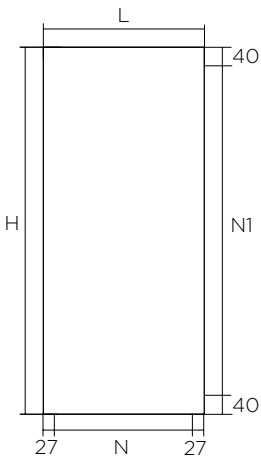
SIDE VIEW



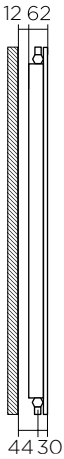
TOP VIEW

- H Height (mm)
- L Width (mm)
- N Pipe centres (mm)
- N1 Pipe centres (mm)

CENTRAL HEATING VERSION - MODEL HLA VERTICAL SIMPLE WITH FINS



FRONT VIEW

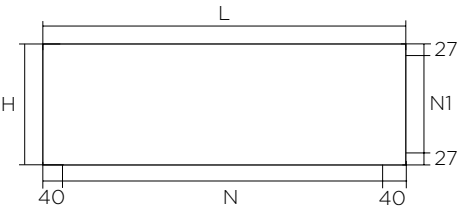


SIDE VIEW

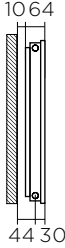


TOP VIEW

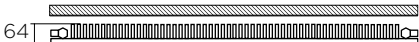
CENTRAL HEATING VERSION - MODEL VLA HORIZONTAL SIMPLE WITH FINS



FRONT VIEW



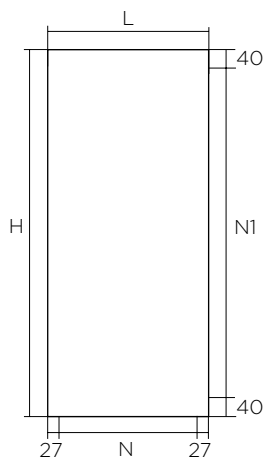
SIDE VIEW



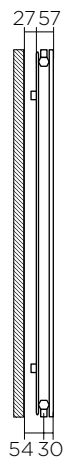
TOP VIEW

- H Height (mm)
- L Width (mm)
- N Pipe centres (mm)
- N1 Pipe centres (mm)

CENTRAL HEATING VERSION - MODEL HAD VERTICAL DOUBLE



FRONT VIEW

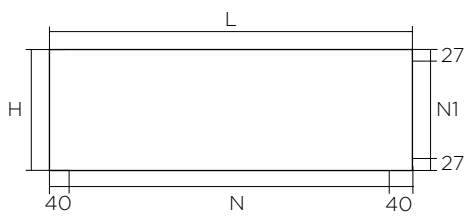


SIDE VIEW

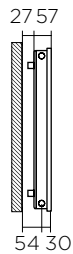


TOP VIEW

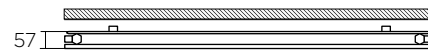
CENTRAL HEATING VERSION - MODEL VAD HORIZONTAL DOUBLE



FRONT VIEW



SIDE VIEW



TOP VIEW

- H Height (mm)
- L Width (mm)
- N Pipe centres (mm)
- N1 Pipe centres (mm)

RUNTAL ARTEPLANO PRICE LIST

CENTRAL HEATING VERSION - MODEL HA/HLA/HAD VERTICAL

Height 1813 mm	No. of tubes	Width mm	Depth mm	V dm ³	M kg	q _{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
HA-180	4	305	49	2.88	22.80	11	1.30	520	(473)
HLA-180	4	305	62	2.88	29.60	15	1.31	696	(633)
HAD-180	4	305	57	5.28	34.80	16	1.34	756	(688)
HA-180	5	379	49	3.60	28.50	11	1.30	650	(592)
HLA-180	5	379	62	3.60	37.00	15	1.31	870	(792)
HAD-180	5	379	57	6.60	43.50	16	1.34	945	(860)
HA-180	6	453	49	4.32	34.20	11	1.30	780	(710)
HLA-180	6	453	62	4.32	44.40	15	1.31	1.044	(950)
HAD-180	6	453	57	7.92	52.20	16	1.34	1.134	(1.032)
HA-180	7	527	49	5.04	39.90	11	1.30	910	(828)
HLA-180	7	527	62	5.04	51.80	15	1.31	1.218	(1.108)
HAD-180	7	527	57	9.24	60.90	16	1.34	1.323	(1.204)
HA-180	8	601	49	5.76	45.60	11	1.30	1.040	(946)
HLA-180	8	601	62	5.76	59.20	15	1.31	1.392	(1.267)
HAD-180	8	601	57	10.56	69.60	16	1.34	1.512	(1.376)
HA-180	9	675	49	6.48	51.30	11	1.30	1.170	(1.065)
HLA-180	9	675	62	6.48	66.60	15	1.31	1.566	(1.425)
HAD-180	9	675	57	11.88	78.30	16	1.34	1.701	(1.548)
HA-180	10	749	49	7.20	57.00	11	1.30	1.300	(1.183)
HLA-180	10	749	62	7.20	74.00	15	1.31	1.740	(1.583)
HAD-180	10	749	57	13.20	87.00	16	1.34	1.890	(1.720)

Height 2013 mm	No. of tubes	Width mm	Depth mm	V dm ³	M kg	q _{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
HA-200	4	305	49	3,12	25,20	12	1.30	580	(528)
HLA-200	4	305	62	3,12	32,00	16	1.31	748	(681)
HAD-200	4	305	57	5,84	38,40	18	1.33	832	(757)
HA-200	5	379	49	3,90	31,50	12	1.30	725	(660)
HLA-200	5	379	62	3,90	40,00	16	1.31	870	(792)
HAD-200	5	379	57	7,30	48,00	18	1.33	1.040	(946)
HA-200	6	453	49	4,68	37,80	12	1.30	870	(792)
HLA-200	6	453	62	4,68	48,00	16	1.31	1.044	(950)
HAD-200	6	453	57	8,76	57,60	18	1.33	1.248	(1.136)
HA-200	7	527	49	5,46	44,10	12	1.30	1.015	(924)
HLA-200	7	527	62	5,46	56,00	16	1.31	1.218	(1.108)
HAD-200	7	527	57	10,22	67,20	18	1.33	1.456	(1.325)
HA-200	8	601	49	6,24	50,40	12	1.30	1.160	(1.056)
HLA-200	8	601	62	6,24	64,00	16	1.31	1.392	(1.267)
HAD-200	8	601	57	11,68	76,80	18	1.33	1.664	(1.514)

V: volume, M: weight, q_{ms}: water flow, n: exponent, P ΔT 50K: EN 442 output, P ΔT 50K*: EN 442 output stainless steel finishes

CENTRAL HEATING VERSION - MODEL HA/HLA/HAD VERTICAL

Height 2013 mm	No. of tubes	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	PΔT 50K Watt	PΔT 50K* (Watt)
HA-200	9	675	49	7,02	7.02	56.70	1.30	1.305	(1.188)
HLA-200	9	675	62	7,02	7.02	72.00	1.31	1.566	(1.425)
HAD-200	9	675	57	13,14	13.14	86.40	1.33	1.872	(1.704)
HA-200	10	749	49	7,80	7.80	63.00	1.30	1.450	(1.320)
HLA-200	10	749	62	7,80	7.80	80.00	1.31	1.740	(1.583)
HAD-200	10	749	57	14,60	14.60	96.00	1.33	2.080	(1.893)

Height 2213 mm	No. of tubes	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	PΔT 50K Watt	PΔT 50K* (Watt)
HA-220	4	305	49	3.40	27.60	13	1.30	636	(579)
HLA-220	4	305	62	3.40	34.80	17	1.31	792	(721)
HAD-220	4	305	57	6.36	42.40	20	1.33	912	(830)
HA-220	5	379	49	4.25	34.50	13	1.30	795	(723)
HLA-220	5	379	62	4.25	43.50	17	1.31	990	(901)
HAD-220	5	379	57	7.95	53.00	20	1.33	1.140	(1.037)
HA-220	6	453	49	5.10	41.40	13	1.30	954	(868)
HLA-220	6	453	62	5.10	52.20	17	1.31	1.188	(1.081)
HAD-220	6	453	57	9.54	63.60	20	1.33	1.368	(1.245)
HA-220	7	527	49	5.95	48.30	13	1.30	1.113	(1.013)
HLA-220	7	527	62	5.95	60.90	17	1.31	1.386	(1.261)
HAD-220	7	527	57	11.13	74.20	20	1.33	1.596	(1.452)
HA-220	8	601	49	6.80	55.20	13	1.30	1.272	(1.158)
HLA-220	8	601	62	6.80	69.60	17	1.31	1.584	(1.441)
HAD-220	8	601	57	12.72	84.80	20	1.33	1.824	(1.660)
HA-220	9	675	49	7.65	62.10	13	1.30	1.431	(1.302)
HLA-220	9	675	62	7.65	78.30	17	1.31	1.782	(1.622)
HAD-220	9	675	57	14.31	95.40	20	1.33	2.052	(1.867)
HA-220	10	749	49	8.50	69.00	13	1.30	1.590	(1.447)
HLA-220	10	749	62	8.50	87.00	17	1.31	1.980	(1.802)
HAD-220	10	749	57	15.90	106.00	20	1.33	2.280	(2.075)

V: volume, M: weight, q_{ms}: water flow, n: exponent, PΔT 50K: EN 442 output, PΔT 50K*: EN 442 output stainless steel finishes

CENTRAL HEATING VERSION - MODEL VA/VAD/VLA HORIZONTAL

Height 329 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-035	1000	49	2.23	15.20	33	1.24	378	(344)
VAD-035	1000	57	3.91	24.10	56	1.26	653	(594)
VLA-035/35	1000	64	2.23	22.70	59	1.28	681	(620)
VA-035	1200	49	2.68	18.24	33	1.24	454	(413)
VAD-035	1200	57	4.69	28.92	56	1.26	784	(713)
VLA-035/35	1200	64	2.68	27.24	59	1.28	817	(744)
VA-035	1400	49	3.12	21.28	33	1.24	529	(482)
VAD-035	1400	57	5.47	33.74	56	1.26	914	(832)
VLA-035/35	1400	64	3.12	31.78	59	1.28	953	(868)
VA-035	1800	49	4.01	27.36	33	1.24	680	(619)
VAD-035	1800	57	7.04	43.38	56	1.26	1.175	(1.070)
VLA-035/35	1800	64	4.01	40.86	59	1.28	1.226	(1.115)
VA-035	2000	49	4.46	30.40	33	1.24	756	(688)
VAD-035	2000	57	7.82	48.20	56	1.26	1.306	(1.188)
VLA-035/35	2000	64	4.46	45.40	59	1.28	1.362	(1.239)

Height 453 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-042	1000	49	2.68	18.10	39	1.24	448	(408)
VAD-042	1000	57	4.70	28.80	66	1.26	767	(698)
VLA-042/42	1000	64	2.68	27.10	67	1.29	779	(709)
VA-042	1200	49	3.22	21.72	39	1.24	538	(489)
VAD-042	1200	57	5.64	34.56	66	1.26	920	(838)
VLA-042/42	1200	64	3.22	32.52	67	1.29	935	(851)
VA-042	1400	49	3.75	25.34	39	1.24	627	(571)
VAD-042	1400	57	6.58	40.32	66	1.26	1.074	(977)
VLA-042/42	1400	64	3.75	37.94	67	1.29	1.091	(992)
VA-042	1800	49	4.82	32.58	39	1.24	806	(734)
VAD-042	1800	57	8.46	51.84	66	1.26	1.381	(1.256)
VLA-042/42	1800	64	4.82	48.78	67	1.29	1.402	(1.276)
VA-042	2000	49	5.36	36.20	39	1.24	896	(815)
VAD-042	2000	57	9.40	57.60	66	1.26	1.534	(1.396)
VLA-042/42	2000	64	5.36	54.20	67	1.29	1.558	(1.418)

V: volume, M: weight, q_{ms}: water flow, n: exponent, P ΔT 50K: EN 442 output, P ΔT 50K*: EN 442 output stainless steel finishes

CENTRAL HEATING VERSION - MODEL VA/VAD/VLA HORIZONTAL

Height 527 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-049	1000	49	3.13	21.00	45	1.25	519	(472)
VAD-049	1000	57	2.48	33.50	76	1.27	881	(802)
VLA-049/49	1000	64	3.13	31.60	75	1.30	877	(798)
VA-049	1200	49	3.76	25.20	45	1.25	623	(567)
VAD-049	1200	57	2.98	40.20	76	1.27	1.057	(962)
VLA-049/49	1200	64	3.76	37.92	75	1.30	1.052	(958)
VA-049	1400	49	4.38	29.40	45	1.25	727	(661)
VAD-049	1400	57	3.47	46.90	76	1.27	1.233	(1.122)
VLA-049/49	1400	64	4.38	44.24	75	1.30	1.228	(1.117)
VA-049	1800	49	5.63	37.80	45	1.25	934	(850)
VAD-049	1800	57	4.46	60.30	76	1.27	1.586	(1.443)
VLA-049/49	1800	64	5.63	56.88	75	1.30	1.579	(1.437)
VA-049	2000	49	6.26	42.00	45	1.25	1.038	(945)
VAD-049	2000	57	4.96	67.00	76	1.27	1.762	(1.603)
VLA-049/49	2000	64	6.26	63.20	75	1.30	1.754	(1.596)

Height 601 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-056	1000	49	3.57	23.90	51	1.25	591	(538)
VAD-056	1000	57	6.27	37.50	85	1.27	994	(905)
VLA-056/56	1000	64	3.57	36.00	84	1.31	976	(888)
VA-056	1200	49	4.28	28.68	51	1.25	709	(645)
VAD-056	1200	57	7.52	45.00	85	1.27	1.193	(1.085)
VLA-056/56	1200	64	4.28	43.20	84	1.31	1.171	(1.066)
VA-056	1400	49	5.00	33.46	51	1.25	827	(753)
VAD-056	1400	57	8.78	52.50	85	1.27	1.392	(1.266)
VLA-056/56	1400	64	5.00	50.40	84	1.31	1.366	(1.243)
VA-056	1800	49	6.43	43.02	51	1.25	1.064	(968)
VAD-056	1800	57	11.29	67.50	85	1.27	1.789	(1.628)
VLA-056/56	1800	64	6.43	64.80	84	1.31	1.757	(1.599)
VA-056	2000	49	7.14	47.80	51	1.25	1.182	(1.076)
VAD-056	2000	57	12.54	75.00	85	1.27	1.988	(1.809)
VLA-056/56	2000	64	7.14	72.00	84	1.31	1.952	(1.776)

V: volume, M: weight, q_{ms}: water flow, n: exponent, P ΔT 50K: EN 442 output, P ΔT 50K*: EN 442 output stainless steel finishes

CENTRAL HEATING VERSION - MODEL VA/VAD/VLA HORIZONTAL

Height 675 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-063	1000	49	4.02	26.70	57	1.24	664	(604)
VAD-063	1000	57	7.05	42.10	95	1.26	1.107	(1.007)
VLA-063/56	1000	64	4.02	38.90	89	1.28	1.033	(798)
VA-063	1400	49	4.82	32.04	57	1.24	797	(846)
VAD-063	1400	57	8.46	50.52	95	1.26	1.328	(1.410)
VLA-063/56	1400	64	4.82	46.68	89	1.28	1.240	(1.316)
VA-063	1800	49	5.63	37.38	57	1.24	930	(1.088)
VAD-063	1800	57	9.87	58.94	95	1.26	1.550	(1.813)
VLA-063/56	1800	64	5.63	54.46	89	1.28	1.446	(1.692)
VA-063	2000	49	7.24	48.06	57	1.24	1.195	(1.208)
VAD-063	2000	57	12.69	75.78	95	1.26	1.993	(2.015)
VLA-063/56	2000	64	7.24	70.02	89	1.28	1.859	(1.880)
VA-049	2000	49	8.04	53.40	57	1.24	1.328	(945)
VAD-049	2000	57	14.10	84.20	95	1.26	2.214	(1.603)
VLA-049/49	2000	64	8.04	77.80	89	1.28	2.066	(1.596)

Height 749 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA-070	1000	49	4.47	29,60	39	1.24	740	(673)
VAD-070	1000	57	7.84	46,60	66	1.26	1.221	(1.111)
VLA-070/56	1000	64	4.47	41,70	67	1.29	1.089	(991)
VA-070	1200	49	5.36	35,52	39	1.24	888	(808)
VAD-070	1200	57	9.41	55,92	66	1.26	1.465	(1.333)
VLA-070/56	1200	64	5.36	50,04	67	1.29	1.307	(1.189)
VA-070	1400	49	6.26	41,44	39	1.24	1.036	(943)
VAD-070	1400	57	10.98	65,24	66	1.26	1.709	(1.556)
VLA-070/56	1400	64	6.26	58,38	67	1.29	1.525	(1.387)
VA-070	1800	49	8.05	53,28	39	1.24	1.332	(1.212)
VAD-070	1800	57	14.11	83,88	66	1.26	2.198	(2.000)
VLA-070/56	1800	64	8.05	75,06	67	1.29	1.960	(1.784)
VA-070	2000	49	8.94	59,20	39	1.24	1.480	(1.347)
VAD-070	2000	57	15.68	93,20	66	1.26	2.442	(2.222)
VLA-070/56	2000	64	8.94	83,40	67	1.29	2.178	(1.982)

V: volume, M: weight, q_{ms}: water flow, n: exponent, P ΔT 50K: EN 442 output, P ΔT 50K*: EN 442 output stainless steel finishes

FINISH

Powder-coated finish, Artistic and processed finish (see brochure RUNTAL ARTEPLANO)	Code	Extra charge	Artistic surface	Watt	Colour basic radiator
White RAL 9016 (standard)	0603	—			
Classic and Trendy	See Runtal colour chart	+ 15% on RAL9016 price			
Metal Look (Inox Look not available)	See Runtal colour chart	+ 25% on RAL9016 price			
White Quartz	0521	+ 25% on RAL9016 price			
Anodised aluminium	0791	+ 25% on RAL9016 price			RAL 9006
Ground stainless steel	0792	+ 25% on RAL9016 price (Watt)			RAL 9007
Etched copper	0775				RAL 8003
Etched brass	0773				337 Antique Gold
Feather finish stainless steel	0770			(Watt)	RAL 9007
Mirror-polished stainless steel*	0772			(Watt)	RAL 9007
Satin bronze-coloured stainless steel	0787			(Watt)	RAL 8002 mat
Satin black stainless steel	0788			(Watt)	RAL 8002 mat
Stainless steel skin	0786			(Watt)	RAL 9007
Stainless steel patch	0785			(Watt)	RAL 9007

*: The finish mirror-polished stainless steel presents deformations of the images which encrease at function of the radiator. These deformations are bigger on the larger models

(Watt) Output for models with stainless steel surface

Example of coding for ordering of vertical models

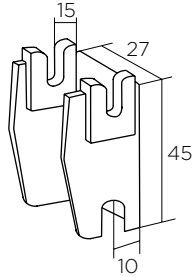
HA-180	7	0603	243
Model of radiator	Number of tubes	colour code or finish	connection type /code

Example of coding for ordering of horizontal models

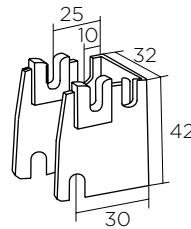
VA-056	1200	0603	243
Model of radiator	Width in mm	colour code or finish	connection type/code

TECHNICAL DATA

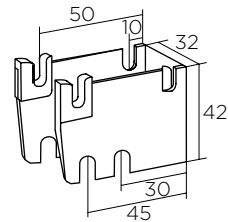
Materials	Radiator made of steel, flat oval tubes 70x8 mm, header (profile) 37x32 mm, fins sheet steel, front sheet steel powder-coated or as per finishes listed
Operating pressure	Standard max. 4.6 bars (high pressure max. 10 bars, extra charge +15 %)
Test pressure	Standard max. 6.0 bars (high pressure max. 13 bars, extra charge +15 %)
Operating temperature	Max. 80 °C
Standard kit	Wall brackets in same colour as radiator, assembly kit included in packaging



Art. CVD0 for models **HLA, HAD, VLA (> 5 tubes), VAD**



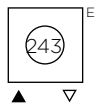
Art. CVD1 for models **VLA (≤ 5 tubes)**



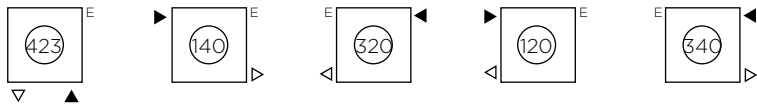
Art. CVD2 for models **HA and VA**

Valves As per ACCESSORIES price list

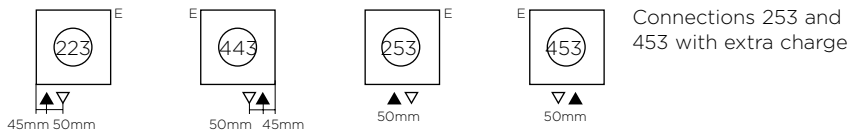
Connections Standard: Ø 1/2" flow ▲ / return ▼ / air vent (E)



On request: Ø 3/8", 1/2" or 3/4" At order please indicate the required connection code as below and the required dimension (Ø 3/8", 1/2" or 3/4")

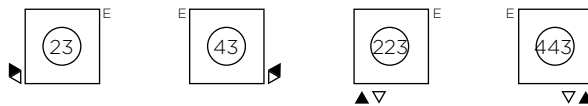


For HA, HLA and HAD only:



Single entry connections

with Ø 1/2" connections the dip tube has Ø 12 mm
with Ø 3/4" connections the dip tube has Ø 14 mm



NB: At order please indicate the required diameter of the dip tube.
The connection must be made in accordance with the required specifications

RUNTAL ARTEPLANO ACCESSORIES

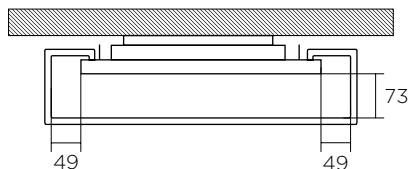


Stainless steel towel bar

For retrofitting at any height. More than one towel bar can be fitted per radiator.
Rectangular 4 x 30 mm

Art.-no.	Width ⁽¹⁾ mm	Width ⁽²⁾ mm
468002	305	343
468012	453	491
468022	601	639

(1) Width of radiator, (2) Width of towel bar



LATERAL COVER SHEET

(for vertical models only)

MODEL HA

- Lateral cover sheet welded on direct on the product
- Detached mounting of the lateral cover sheet is not possible.
- No output reduction

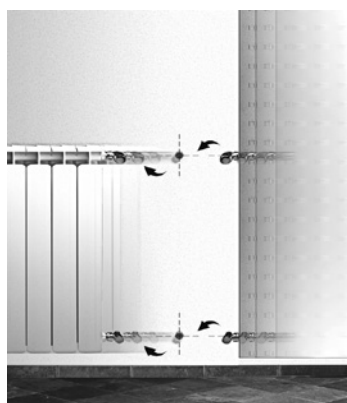
MODEL HLA

- Lateral cover sheet standard welded on direct on the product. Detached mounting of the lateral cover sheet is not possible.
- No output reduction

MODEL HAD (with two possibilities)

1. Lateral cover sheet for detached mounting
 - output reduction -6%
2. Lateral cover sheet welded direct on product
 - output reduction -6%

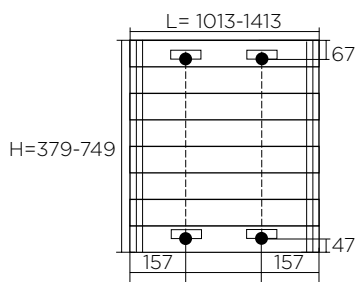
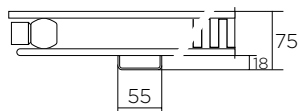
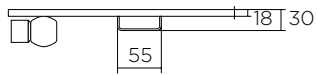
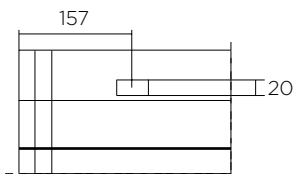
NB: The lateral cover sheets are painted in the same colour as the basic radiator



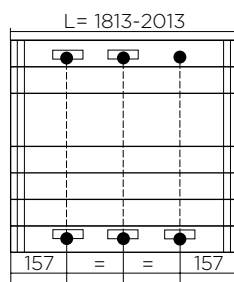
SPECIAL VERSIONS

- Connection centres made to measure on request (for replacement of old radiator)
- Sizes and models different from indicated
- Additional connections

RUNTAL ARTEPLANO MOUNTING INSTRUCTIONS



MODEL VA



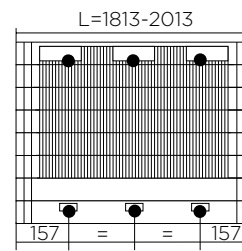
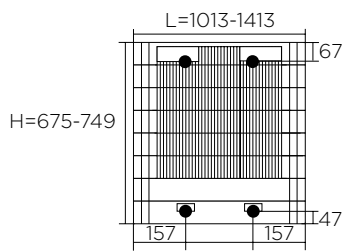
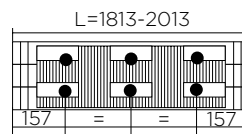
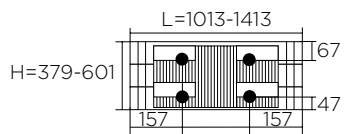
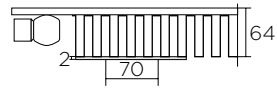
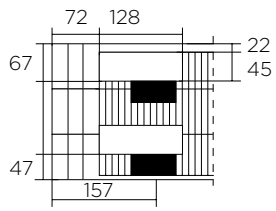
MODEL VAD

- H Height (mm)
- L Width (mm)
- Fixing point

HORIZONTAL MODELS

Drawings are taken from back view of products (dimensions in mm, tolerances of fixation points ± 5 mm)

For correct installation, please note the corresponding installation instructions.



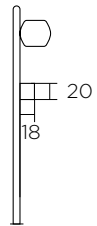
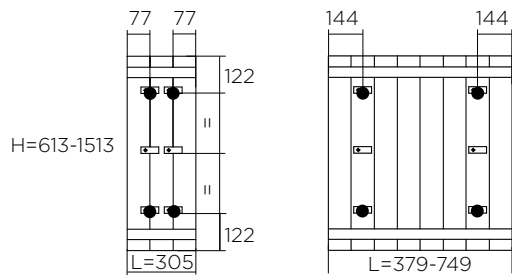
MODEL VLA

- H Height (mm)
- L Width (mm)
- Fixing point

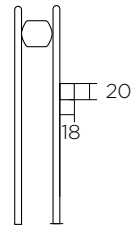
HORIZONTAL MODELS

Drawings are taken from back view of products (dimensions in mm, tolerances of fixation points ± 5 mm)

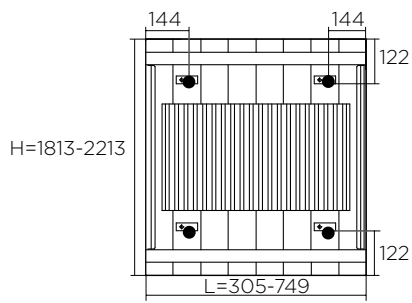
For correct installation, please note the corresponding installation instructions



MODEL HA



MODEL HAD



MODEL HLA

- H Height (mm)
- L Width (mm)
- Fixing point

VERTICAL MODELS

Drawings are taken from back view of products (dimensions in mm, tolerances of fixation points ± 5 mm)

For correct installation, please note the corresponding installation instructions

ZEHNDER GROUP INTERNATIONAL SALES

Almweg 34, DE-77933 Lahr
T +49 7821 586-392, F +49 7821 586-406
International.sales@zehndergroup.com
www.runtal.com

A member company of the Zehnder Group.

