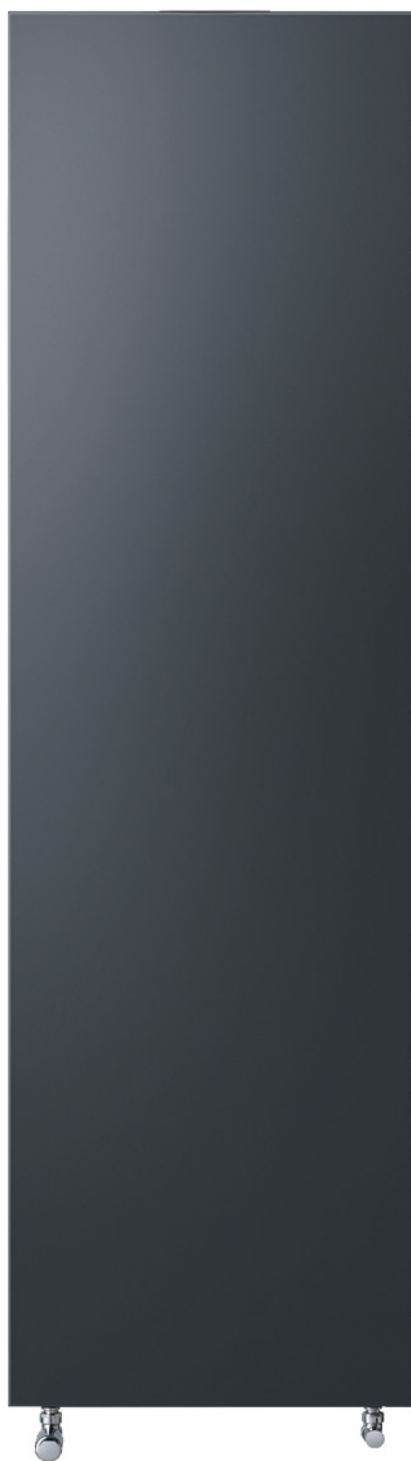
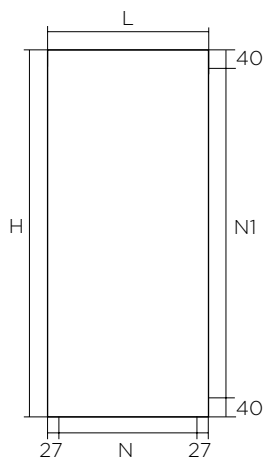

RUNTAL ARTEPLANO



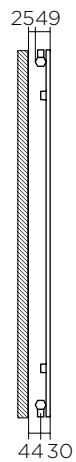
runtal

RUNTAL ARTEPLANO TECHNICAL SPECIFICATIONS

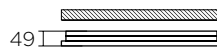
CENTRAL HEATING VERSION - MODEL HA VERTICAL SIMPLE



FRONT VIEW

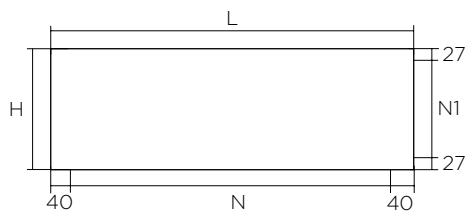


SIDE VIEW

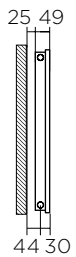


TOP VIEW

CENTRAL HEATING VERSION - MODEL VA HORIZONTAL SIMPLE



FRONT VIEW



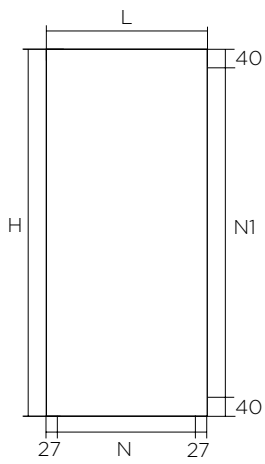
SIDE VIEW



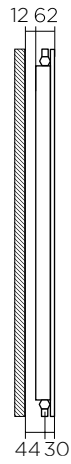
TOP VIEW

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

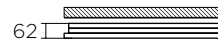
CENTRAL HEATING VERSION - MODEL HLA VERTICAL SIMPLE WITH FINS



FRONT VIEW

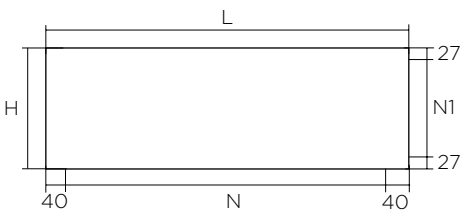


SIDE VIEW

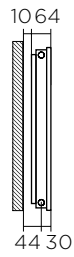


TOP VIEW

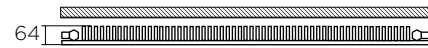
CENTRAL HEATING VERSION - MODEL VLA HORIZONTAL SIMPLE WITH FINS



FRONT VIEW



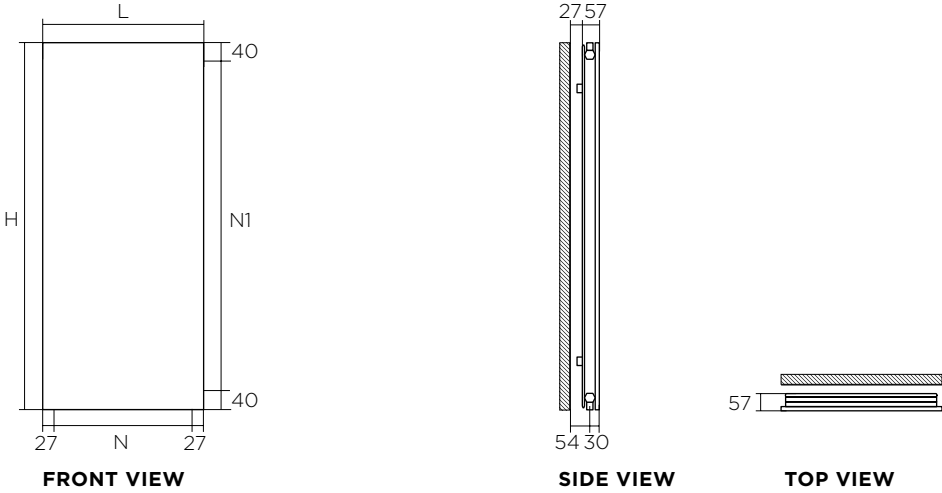
SIDE VIEW



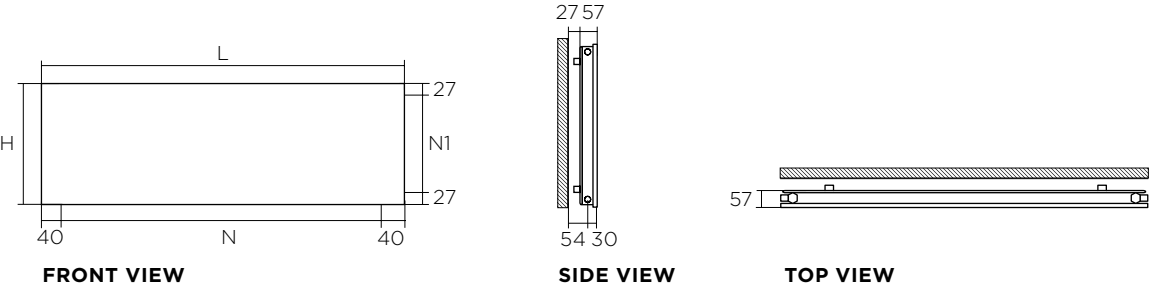
TOP VIEW

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

CENTRAL HEATING VERSION - MODEL HAD VERTICAL DOUBLE



CENTRAL HEATING VERSION - MODEL VAD HORIZONTAL DOUBLE



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

RUNTAL ARTEPLANO

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)
HA180	4	305	49	2.88	22.80	11	1.30	520	(473)
HLA180	4	305	62	2.88	29.60	15	1.31	696	(633)
HAD180	4	305	57	5.28	34.80	16	1.34	756	(688)
HA180	5	379	49	3.60	28.50	11	1.30	650	(592)
HLA180	5	379	62	3.60	37.00	15	1.31	870	(792)
HAD180	5	379	57	6.60	43.50	16	1.34	945	(860)
HA180	6	453	49	4.32	34.20	11	1.30	780	(710)
HLA180	6	453	62	4.32	44.40	15	1.31	1.044	(950)
HAD180	6	453	57	7.92	52.20	16	1.34	1.134	(1.032)
HA180	7	527	49	5.04	39.90	11	1.30	910	(828)
HLA180	7	527	62	5.04	51.80	15	1.31	1.218	(1.108)
HAD180	7	527	57	9.24	60.90	16	1.34	1.323	(1.204)
HA180	8	601	49	5.76	45.60	11	1.30	1.040	(946)
HLA180	8	601	62	5.76	59.20	15	1.31	1.392	(1.267)
HAD180	8	601	57	10.56	69.60	16	1.34	1.512	(1.376)
HA180	9	675	49	6.48	51.30	11	1.30	1.170	(1.065)
HLA180	9	675	62	6.48	66.60	15	1.31	1.566	(1.425)
HAD180	9	675	57	11.88	78.30	16	1.34	1.701	(1.548)
HA180	10	749	49	7.20	57.00	11	1.30	1.300	(1.183)
HLA180	10	749	62	7.20	74.00	15	1.31	1.740	(1.583)
HAD180	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)
HA200	4	305	49	3,12	25,20	12	1.30	556	(506)
HLA200	4	305	62	3,12	32,00	16	1.31	748	(681)
HAD200	4	305	57	5,84	38,40	18	1.33	832	(757)
HA200	5	379	49	3,90	31,50	12	1.30	695	(632)
HLA200	5	379	62	3,90	40,00	16	1.31	935	(851)
HAD200	5	379	57	7,30	48,00	18	1.33	1.040	(946)
HA200	6	453	49	4,68	37,80	12	1.30	834	(759)
HLA200	6	453	62	4,68	48,00	16	1.31	1.122	(1.021)
HAD200	6	453	57	8,76	57,60	18	1.33	1.248	(1.136)
HA200	7	527	49	5,46	44,10	12	1.30	973	(885)
HLA200	7	527	62	5,46	56,00	16	1.31	1.309	(1.191)
HAD200	7	527	57	10,22	67,20	18	1.33	1.456	(1.325)
HA200	8	601	49	6,24	50,40	12	1.30	1.112	(1.012)
HLA200	8	601	62	6,24	64,00	16	1.31	1.496	(1.361)
HAD200	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 finish

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)
HA200	9	675	49	7,02	7.02	56.70	1.30	1.251	(1.138)
HLA200	9	675	62	7,02	7.02	72.00	1.31	1.683	(1.523)
HAD200	9	675	57	13,14	13.14	86.40	1.33	1.872	(1.704)
HA200	10	749	49	7,80	7.80	63.00	1.30	1.390	(1.265)
HLA200	10	749	62	7,80	7.80	80.00	1.31	1.870	(1.702)
HAD200	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)
HA220	4	305	49	3.40	27.60	13	1.30	636	(557)
HLA220	4	305	62	3.40	34.80	17	1.31	792	(721)
HAD220	4	305	57	6.36	42.40	20	1.33	912	(830)
HA220	5	379	49	4.25	34.50	13	1.30	795	(696)
HLA220	5	379	62	4.25	43.50	17	1.31	990	(901)
HAD220	5	379	57	7.95	53.00	20	1.33	1.140	(1.037)
HA220	6	453	49	5.10	41.40	13	1.30	954	(835)
HLA220	6	453	62	5.10	52.20	17	1.31	1.188	(1.081)
HAD220	6	453	57	9.54	63.60	20	1.33	1.368	(1.245)
HA220	7	527	49	5.95	48.30	13	1.30	1.113	(975)
HLA220	7	527	62	5.95	60.90	17	1.31	1.386	(1.261)
HAD220	7	527	57	11.13	74.20	20	1.33	1.596	(1.452)
HA220	8	601	49	6.80	55.20	13	1.30	1.272	(1.114)
HLA220	8	601	62	6.80	69.60	17	1.31	1.584	(1.441)
HAD220	8	601	57	12.72	84.80	20	1.33	1.824	(1.660)
HA220	9	675	49	7.65	62.10	13	1.30	1.431	(1.253)
HLA220	9	675	62	7.65	78.30	17	1.31	1.782	(1.622)
HAD220	9	675	57	14.31	95.40	20	1.33	2.052	(1.867)
HA220	10	749	49	8.50	69.00	13	1.30	1.590	(1.392)
HLA220	10	749	62	8.50	87.00	17	1.31	1.980	(1.802)
HAD220	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 379 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA035-1000	1013	49	2.23	15.20	33	1.24	378	(344)
VAD035-1000	1013	57	3.91	24.10	56	1.26	653	(594)
VLA035/35-1000	1013	64	2.23	22.70	59	1.28	681	(620)
VA035-1200	1213	49	2.68	18.24	33	1.24	454	(413)
VAD035-1200	1213	57	4.69	28.92	56	1.26	784	(713)
VLA035/35-1200	1213	64	2.68	27.24	59	1.28	817	(744)
VA035-1400	1413	49	3.12	21.28	33	1.24	529	(482)
VAD035-1400	1413	57	5.47	33.74	56	1.26	914	(832)
VLA035/35-1400	1413	64	3.12	31.78	59	1.28	953	(868)
VA035-1800	1813	49	4.01	27.36	33	1.24	680	(619)
VAD035-1800	1813	57	7.04	43.38	56	1.26	1.175	(1.069)
VLA035/35-1800	1813	64	4.01	40.86	59	1.28	1.226	(1.116)
VA035-2000	2013	49	4.46	30.40	33	1.24	756	(688)
VAD035-2000	2013	57	7.82	48.20	56	1.26	1.306	(1.188)
VLA035/35-2000	2013	64	4.46	45.40	59	1.28	1.362	(1.240)

Height 453 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA042-1000	1013	49	2.68	18.10	39	1.24	448	(408)
VAD042-1000	1013	57	4.70	28.80	66	1.26	767	(698)
VLA042/42-1000	1013	64	2.68	27.10	67	1.29	779	(709)
VA042-1200	1213	49	3.22	21.72	39	1.24	538	(490)
VAD042-1200	1213	57	5.64	34.56	66	1.26	920	(838)
VLA042/42-1200	1213	64	3.22	32.52	67	1.29	935	(851)
VA042-1400	1413	49	3.75	25.34	39	1.24	627	(571)
VAD042-1400	1413	57	6.58	40.32	66	1.26	1.074	(977)
VLA042/42-1400	1413	64	3.75	37.94	67	1.29	1.091	(993)
VA042-1800	1813	49	4.82	32.58	39	1.24	806	(734)
VAD042-1800	1813	57	8.46	51.84	66	1.26	1.381	(1.256)
VLA042/42-1800	1813	64	4.82	48.78	67	1.29	1.402	(1.276)
VA042-2000	2013	49	5.36	36.20	39	1.24	896	(816)
VAD042-2000	2013	57	9.40	57.60	66	1.26	1.534	(1.396)
VLA042/42-2000	2013	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)
VA049-1000	1013	49	3.13	21.00	45	1.25	519	(472)
VAD049-1000	1013	57	2.48	33.50	76	1.27	881	(802)
VLA049/49-1000	1013	64	3.13	31.60	75	1.30	877	(798)
VA049-1200	1213	49	3.76	25.20	45	1.25	623	(566)
VAD049-1200	1213	57	2.98	40.20	76	1.27	1.057	(962)
VLA049/49-1200	1213	64	3.76	37.92	75	1.30	1.052	(958)
VA049-1400	1413	49	4.38	29.40	45	1.25	727	(661)
VAD049-1400	1413	57	3.47	46.90	76	1.27	1.233	(1.123)
VLA049/49-1400	1413	64	4.38	44.24	75	1.30	1.228	(1.117)
VA049-1800	1813	49	5.63	37.80	45	1.25	934	(850)
VAD049-1800	1813	57	4.46	60.30	76	1.27	1.586	(1.444)
VLA049/49-1800	1813	64	5.63	56.88	75	1.30	1.579	(1.436)
VA049-2000	2013	49	6.26	42.00	45	1.25	1.038	(944)
VAD049-2000	2013	57	4.96	67.00	76	1.27	1.762	(1.604)
VLA049/49-2000	2013	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)
VA056-1000	1013	49	3.57	23.90	51	1.25	591	(538)
VAD056-1000	1013	57	6.27	37.50	85	1.27	994	(905)
VLA056/56-1000	1013	64	3.57	36.00	84	1.31	976	(888)
VA056-1200	1213	49	4.28	28.68	51	1.25	709	(646)
VAD056-1200	1213	57	7.52	45.00	85	1.27	1.193	(1.086)
VLA056/56-1200	1213	64	4.28	43.20	84	1.31	1.171	(1.066)
VA056-1400	1413	49	5.00	33.46	51	1.25	827	(753)
VAD056-1400	1413	57	8.78	52.50	85	1.27	1.392	(1.267)
VLA056/56-1400	1413	64	5.00	50.40	84	1.31	1.366	(1.243)
VA056-1800	1813	49	6.43	43.02	51	1.25	1.064	(968)
VAD056-1800	1813	57	11.29	67.50	85	1.27	1.789	(1.629)
VLA056/56-1800	1813	64	6.43	64.80	84	1.31	1.757	(1.598)
VA056-2000	2013	49	7.14	47.80	51	1.25	1.182	(1.076)
VAD056-2000	2013	57	12.54	75.00	85	1.27	1.988	(1.810)
VLA056/56-2000	2013	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)
VA063-1000	1013	49	4.02	26.70	57	1.24	664	(604)
VAD063-1000	1013	57	7.05	42.10	95	1.26	1.107	(1.007)
VLA063/56-1000	1013	64	4.02	38.90	89	1.28	1.033	(940)
VA063-1200	1213	49	4.82	32.04	57	1.24	797	(725)
VAD063-1200	1213	57	8.46	51.36	95	1.26	1.328	(1.208)
VLA063/56-1200	1213	64	4.82	46.68	89	1.28	1.240	(1.128)
VA063-1400	1413	49	5.63	37.38	57	1.24	797	(846)
VAD063-1400	1413	57	9.87	59.92	95	1.26	1.328	(1.410)
VLA063/56-1400	1413	64	5.63	54.46	89	1.28	1.240	(1.316)
VA063-1800	1813	49	7.24	48.06	57	1.24	930	(1.087)
VAD063-1800	1813	57	12.69	77.04	95	1.26	1.550	(1.813)
VLA063/56-1800	1813	64	7.24	70.02	89	1.28	1.446	(1.692)
VA063-2000	2013	49	8.04	53.40	57	1.24	1.195	(1.208)
VAD063-2000	2013	57	14.10	85.60	95	1.26	1.993	(2.014)
VLA063/56-2000	2013	64	8.04	77.80	89	1.28	1.859	(1.880)

Height 749 mm	Width mm	Depth mm	V dm³	M kg	q_{ms} kg/h	n	P ΔT 50K Watt	P ΔT 50K* (Watt)
VA070-1000	1013	49	4.47	29,60	39	1.24	740	(673)
VAD070-1000	1013	57	7.84	46,60	66	1.26	1.221	(1.111)
VLA070/56-1000	1013	64	4.47	41,70	67	1.29	1.089	(991)
VA070-1200	1213	49	5.36	35,52	39	1.24	888	(808)
VAD070-1200	1213	57	9.41	55,92	66	1.26	1.465	(1.333)
VLA070/56-1200	1213	64	5.36	50,04	67	1.29	1.307	(1.189)
VA070-1400	1413	49	6.26	41,44	39	1.24	1.036	(942)
VAD070-1400	1413	57	10.98	65,24	66	1.26	1.709	(1.555)
VLA070/56-1400	1413	64	6.26	58,38	67	1.29	1.525	(1.387)
VA070-1800	1813	49	8.05	53,28	39	1.24	1.332	(1.211)
VAD070-1800	1813	57	14.11	83,88	66	1.26	2.198	(2.000)
VLA070/56-1800	1813	64	8.05	75,06	67	1.29	1.960	(1.784)
VA070-2000	2013	49	8.94	59,20	39	1.24	1.480	(1.346)
VAD070-2000	2013	57	15.68	93,20	66	1.26	2.442	(2.222)
VLA070/56-2000	2013	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	x	[Price]		RAL 8003
Etched brass	0773	x	[Price]		337 Antique Gold
Feather finish stainless steel	0770	x	[Price]	(Watt)	RAL 9007
Mirror-polished stainless steel*	0772	x	[Price]	(Watt)	RAL 9007
Satin bronze-coloured stainless steel	0787	x	[Price]	(Watt)	RAL 8002 mat
Satin black stainless steel	0788	x	[Price]	(Watt)	RAL 8002 mat
Stainless steel skin	0786	x	[Price]	(Watt)	RAL 9007
Stainless steel patch	0785	x	[Price]	(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
 x: price of artistic surface see price list

[Price] Price with artistic surface as per table afterwards
 (Watt) Output for models with stainless steel surface

Example of coding for ordering of vertical models

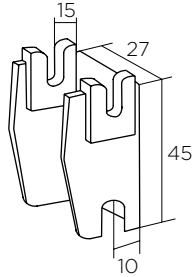
HA-180	7	0603	243
Model of radiator	Number of tubes	colour code or finish	connection type /code

Example of coding for ordering of horizontal models

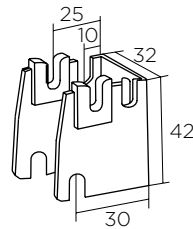
VA-056	1200	0603	243
Model of radiator	Width in mm	colour code or finish	connection type/code

TECHNICAL DATA

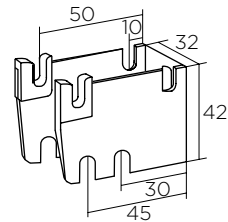
Materials	Radiator made of steel, flat oval tubes 70x8 mm, header (profile) 37x32 mm, fins sheet steel, front sheet steel powder-coated or as per finishes listed
Operating pressure	Standard max. 4.6 bar (high pressure max. 10 bar, extra charge +15 %)
Test pressure	Standard max. 6.0 bar (high pressure max. 13 bar, 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**



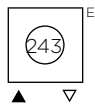
Art. CVD1 for models **VLA (≤ 5 tubes)**



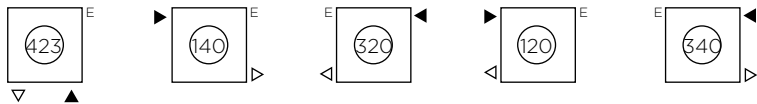
Art. CVD2 for models **HA and VA**

Valves As per ACCESSORIES price list

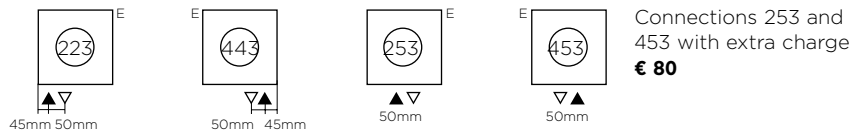
Connections Standard: Ø 1/2" flow ▲ / return ▼ / air vent (E)



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")

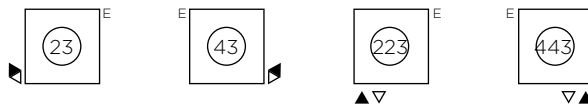


For HA, HLA and HAD only:



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

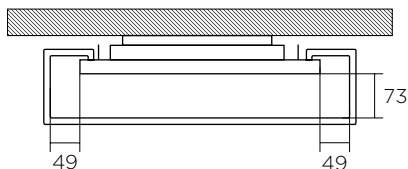


Stainless steel towel bar

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)

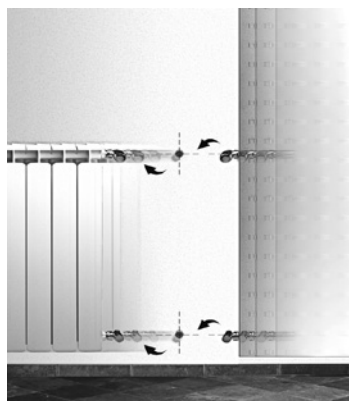
1. Lateral cover sheet for detached mounting
- output reduction -6%

2. Lateral cover sheet welded direct on product
- output reduction -6%

1) Powder-coated in white RAL9016 (code 0603)

2) In other colours as per Runtal colour chart:

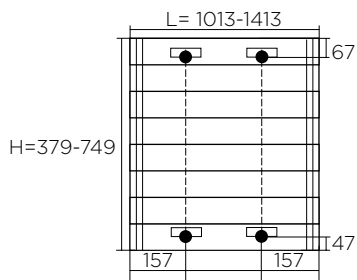
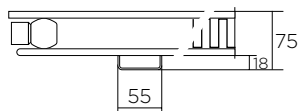
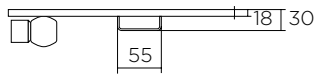
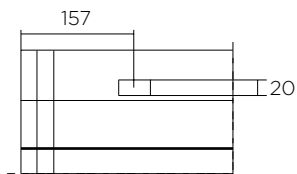
NB: The lateral cover sheets are painted in the same colour as the basic radiator



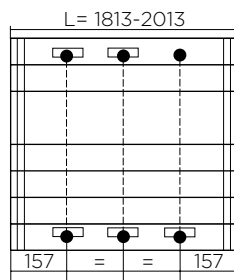
SPECIAL VERSIONS

- 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



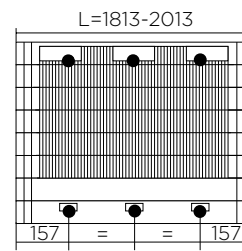
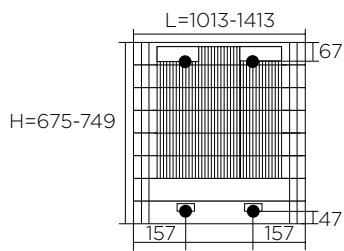
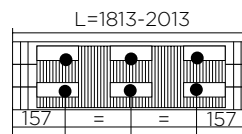
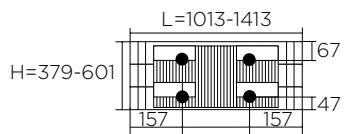
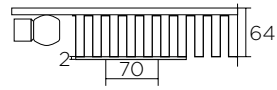
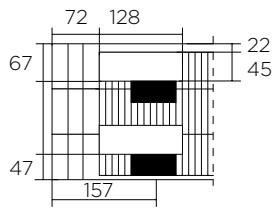
MODEL VAD

- 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.



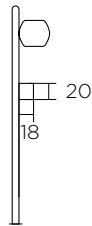
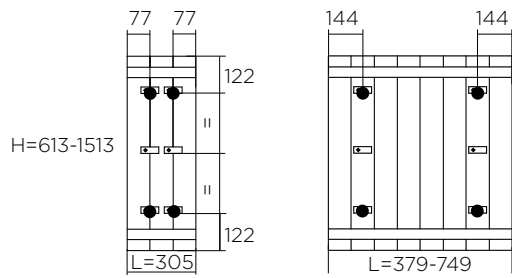
MODEL VLA

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

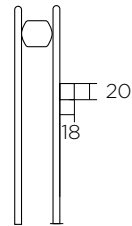
HORIZONTAL MODELS

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

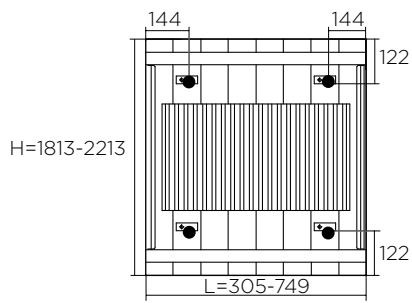
For correct installation, please note the corresponding installation instructions



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

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