

KARIN VX

TANDEM VERTICAL

WARRANTY 5 YEARS



Color: RAL 9016 - R02 Traffic White

MATERIAL:

- Ø 30 mm horizontal collectors in painted mild steel.
- 15x20 mm double row of rectangular vertical heating elements in painted mild steel.

FIXING KIT:

Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:

Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:

Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

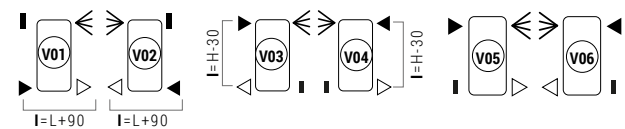
COLORS:

See color chart on pages II and III.

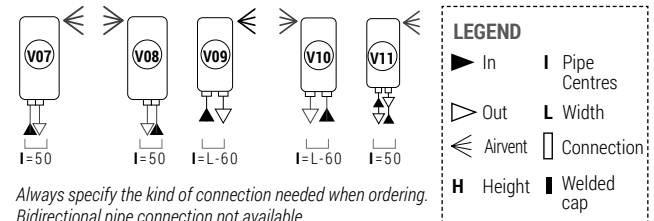
CERTIFICATES



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



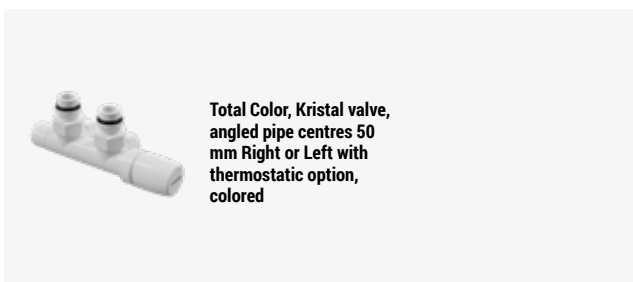
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	32,7	34,8	38,3	40,4	49,0	50,6	56,1	59,1	68,7
Therm. output per el. $\Delta t = 30^\circ\text{C}$ [Watt]	16,8	17,7	19,7	20,5	25,0	25,8	28,4	30,1	34,9
Dry Weight per element [kg]	0,607	0,646	0,725	0,758	0,949	0,982	1,094	1,173	1,397
Water content [lt]	0,249	0,264	0,295	0,308	0,383	0,397	0,441	0,472	0,561
Element surface [m ²]	0,074	0,079	0,089	0,093	0,117	0,121	0,135	0,145	0,173
Exponent n	1,2990	,3396	1,3047	1,3373	,3161	,3520	,3304	1,3209	1,3258
Pipe Centres I [mm] (V3-V4 only)	470	500	570	600	770	800	900	970	1170

For output at different ΔT , please refer to the following formula: **desired output = output at $\Delta T 50^\circ\text{C}$ x (Desired $\Delta T/50$)ⁿ**

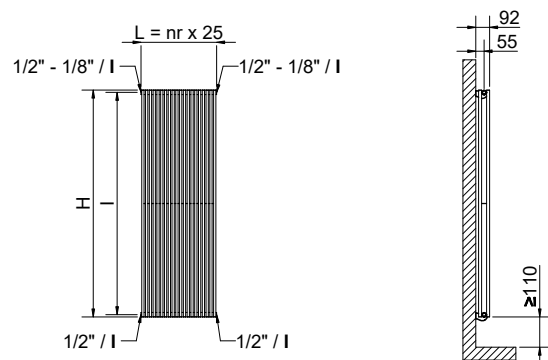
Height H [mm]	1400	1600	1700	1800	1900	2000	2200	2300	2500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	77,7	86,3	90,5	94,5	98,4	102,3	109,6	113,2	120,0
Therm. output per el. $\Delta t = 30^\circ\text{C}$ [Watt]	39,4	43,6	45,7	47,7	49,6	51,6	55,3	57,1	60,6
Dry Weight per element [kg]	1,621	1,845	1,957	2,069	2,181	2,293	2,517	2,629	2,853
Water content [lt]	0,650	0,738	0,782	0,827	0,871	0,916	1,004	1,049	1,137
Element surface [m ²]	0,201	0,229	0,243	0,257	0,271	0,285	0,313	0,327	0,355
Exponent n	,3307	1,3355	1,3380	1,3404	,3399	,3395	,3385	1,3380	1,3371
Pipe Centres I [mm] (V3-V4 only)	1370	1570	1670	1770	1870	1970	2170	2270	2470

AVAILABLE ACCESSORIES

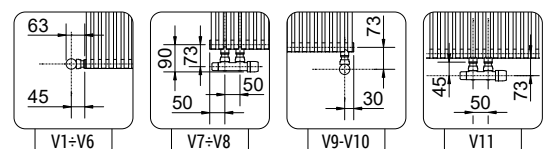


Total Color, Kristal valve,
angled pipe centres 50
mm Right or Left with
thermostatic option,
colored

Complete list, codes and details of the ACCESSORIES from page 332.



Quotes for Kristal valves



FEATURES

P. max: 8 bar

Functioning: **hot water**

T. max: 110°C

Connections: n° 2 x 1/2" G - 1 x 1/8" G

HOW TO ORDER THE KARIN VX TANDEM VERTICAL RADIATOR

Radiator model E.g.: Karin VX tandem VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1900 mm	Connection code Example: connection V08	Color code Es: T01 - Matt black	Constant value
KT15	24	190	V08	T01	A

Example of article code creation

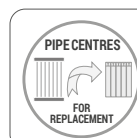
KT15 KARIN VX TANDEM VERTICAL
24 24 Elements (see table below)
190 Height 1900 mm (see table below)
V08 connection V08 (see next page)
T01 color T01 - Matt black (see color chart)
A Constant value

The article code will be:

KT15 24 190 V08 T01 A

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	262	275	306	320	392	405	445	473
250	10	327	344	383	400	490	506	557	591
300	12	392	413	460	479	588	607	668	709
350	14	458	481	536	559	686	708	779	827
400	16	523	550	613	639	784	809	890	946
450	18	589	619	689	719	882	910	1002	1064
500	20	654	688	766	799	980	1012	1113	1182
550	22	719	757	843	879	1078	1113	1224	1300
600	24	785	825	919	959	1176	1214	1336	1418
650	26	850	894	996	1039	1274	1315	1447	1537
700	28	916	963	1072	1119	1372	1416	1558	1655
750	30	981	1032	1149	1199	1470	1517	1670	1773
800	32	1046	1100	1226	1279	1568	1618	1781	1891
850	34	1112	1169	1302	1359	1666	1720	1892	2009
900	36	1177	1238	1379	1438	1764	1821	2004	2128
950	38	1243	1307	1455	1518	1862	1922	2115	2246
1000	40	1308	1376	1532	1598	1960	2023	2226	2364
1050	42	1373	1444	1609	1678	2058	2124	2337	2482
1100	44	1439	1513	1685	1758	2156	2225	2449	2600
1150	46	1504	1582	1762	1838	2254	2326	2560	2719
1200	48	1570	1651	1838	1918	2352	2428	2671	2837
1250	50	1635	1719	1915	1998	2450	2529	2783	2955
1300	52	1700	1788	1992	2078	2548	2630	2894	3073
1350	54	1766	1857	2068	2158	2646	2731	3005	3191
1400	56	1831	1926	2145	2238	2744	2832	3117	3310
1450	58	1897	1995	2221	2317	2842	2933	3228	3428
1500	60	1962	2063	2298	2397	2940	3035	3339	3546
1550	62	2027	2132	2375	2477	3038	3136	3451	3664
1600	64	2093	2201	2451	2557	3136	3237	3562	3782
1650	66	2158	2270	2528	2637	3234	3338	3673	3901
1700	68	2224	2338	2604	2717	3332	3439	3784	4019
1750	70	2289	2407	2681	2797	3430	3540	3896	4137
1800	72	2354	2476	2758	2877	3528	3641	4007	4255

All intermediate sizes are available for widths from 8 to 72 Elements and heights from 500 to 2500 mm



Replacement heights are marked in grey color.

Height H [mm]	1400	1600	1700	1800	1900	2000	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	622	690	724	756	787	818	877	960
250	10	777	863	905	945	984	1023	1096	1200
300	12	932	1036	1086	1134	1181	1228	1315	1440
350	14	1088	1208	1267	1323	1378	1432	1534	1680
400	16	1243	1381	1448	1512	1574	1637	1754	1920
450	18	1399	1553	1629	1701	1771	1841	1973	2160
500	20	1554	1726	1810	1890	1968	2046	2192	2400
550	22	1709	1899	1991	2079	2165	2251	2411	2640
600	24	1865	2071	2172	2268	2362	2455	2630	2880
650	26	2020	2244	2353	2457	2558	2660	2850	
700	28	2176	2416	2534	2646	2755	2864	3096	
750	30	2331	2589	2715	2835	2952	3069		
800	32	2486	2762	2896	3024	3149			
850	34	2642	2934	3077	3213				
900	36	2797	3107	3258					
950	38	2953	3279						
1000	40	3108							
1050	42	3263							
1100	44	3419							

KARIN VX

TANDEM VERTICAL

El.	Width	Dry Weight	Thermal output			Art. nr.
			Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	[Kg]	[Watt]			
H 500 mm						
8	200	4,9	262	196	135	KT15 08 050 V __ __ A
10	250	6,1	327	245	168	KT15 10 050 V __ __ A
12	300	7,3	392	294	202	KT15 12 050 V __ __ A
14	350	8,5	458	343	236	KT15 14 050 V __ __ A
16	400	9,7	523	392	269	KT15 16 050 V __ __ A
18	450	10,9	589	440	303	KT15 18 050 V __ __ A
20	500	12,1	654	489	337	KT15 20 050 V __ __ A
22	550	13,4	719	538	371	KT15 22 050 V __ __ A
24	600	14,6	785	587	404	KT15 24 050 V __ __ A
28	700	17,0	916	685	472	KT15 28 050 V __ __ A
30	750	18,2	981	734	505	KT15 30 050 V __ __ A
36	900	21,9	1177	881	606	KT15 36 050 V __ __ A
38	950	23,1	1243	930	640	KT15 38 050 V __ __ A
40	1000	24,3	1308	979	674	KT15 40 050 V __ __ A

H 630 mm						
8	200	6,1	323	240	164	KT15 08 063 V __ __ A
10	250	7,6	404	300	205	KT15 10 063 V __ __ A
12	300	9,1	485	360	246	KT15 12 063 V __ __ A
14	350	10,6	566	420	287	KT15 14 063 V __ __ A
16	400	12,1	646	480	328	KT15 16 063 V __ __ A
18	450	13,6	727	540	369	KT15 18 063 V __ __ A
20	500	15,2	808	600	410	KT15 20 063 V __ __ A
24	600	18,2	970	719	492	KT15 24 063 V __ __ A
26	650	19,7	1050	779	533	KT15 26 063 V __ __ A
28	700	21,2	1131	839	574	KT15 28 063 V __ __ A
32	800	24,3	1293	959	656	KT15 32 063 V __ __ A
34	850	25,8	1374	1019	697	KT15 34 063 V __ __ A
36	900	27,3	1454	1079	738	KT15 36 063 V __ __ A
38	950	28,8	1535	1139	779	KT15 38 063 V __ __ A
40	1000	30,3	1616	1199	820	KT15 40 063 V __ __ A

H 1000 mm						
14	350	16,4	827	616	421	KT15 14 100 V __ __ A
16	400	18,8	946	704	482	KT15 16 100 V __ __ A
18	450	21,1	1064	792	542	KT15 18 100 V __ __ A
20	500	23,5	1182	880	602	KT15 20 100 V __ __ A
22	550	25,8	1300	968	662	KT15 22 100 V __ __ A
24	600	28,2	1418	1056	722	KT15 24 100 V __ __ A
26	650	30,5	1537	1144	783	KT15 26 100 V __ __ A
28	700	32,8	1655	1232	843	KT15 28 100 V __ __ A
30	750	35,2	1773	1320	903	KT15 30 100 V __ __ A
34	850	39,9	2009	1496	1023	KT15 34 100 V __ __ A
36	900	42,2	2128	1584	1084	KT15 36 100 V __ __ A
38	950	44,6	2246	1672	1144	KT15 38 100 V __ __ A
40	1000	46,9	2364	1761	1204	KT15 40 100 V __ __ A

El.	Width	Dry Weight	Thermal output			Art. nr.
			Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	[Kg]	[Watt]			
H 600 mm						
8	200	4,4	274	207	145	KT15 08 060 V __ __ A
10	250	5,5	342	259	181	KT15 10 060 V __ __ A
12	300	6,6	410	311	218	KT15 12 060 V __ __ A
14	350	7,6	479	363	254	KT15 14 060 V __ __ A
16	400	8,7	547	415	290	KT15 16 060 V __ __ A
18	450	9,8	616	467	326	KT15 18 060 V __ __ A
20	500	10,9	684	518	363	KT15 20 060 V __ __ A
22	550	12,0	752	570	399	KT15 22 060 V __ __ A
24	600	13,1	821	622	435	KT15 24 060 V __ __ A
28	700	15,3	958	726	508	KT15 28 060 V __ __ A
30	750	16,4	1026	778	544	KT15 30 060 V __ __ A
36	900	19,7	1231	933	653	KT15 36 060 V __ __ A
38	950	20,7	1300	985	689	KT15 38 060 V __ __ A
40	1000	21,8	1368	1037	725	KT15 40 060 V __ __ A

H 800 mm						
8	200	7,6	392	292	200	KT15 08 080 V __ __ A
10	250	9,5	490	365	250	KT15 10 080 V __ __ A
12	300	11,4	588	438	300	KT15 12 080 V __ __ A
14	350	13,3	686	511	350	KT15 14 080 V __ __ A
16	400	15,2	784	584	400	KT15 16 080 V __ __ A
18	450	17,1	882	658	450	KT15 18 080 V __ __ A
20	500	19,0	980	731	500	KT15 20 080 V __ __ A
24	600	22,8	1176	877	600	KT15 24 080 V __ __ A
26	650	24,7	1274	950	650	KT15 26 080 V __ __ A
28	700	26,6	1372	1023	700	KT15 28 080 V __ __ A
32	800	30,4	1568	1169	801	KT15 32 080 V __ __ A
34	850	32,3	1666	1242	851	KT15 34 080 V __ __ A
36	900	34,2	1764	1315	901	KT15 36 080 V __ __ A
38	950	36,1	1862	1388	951	KT15 38 080 V __ __ A
40	1000	38,0	1960	1461	1001	KT15 40 080 V __ __ A

H 1200 mm						
14	350	19,6	962	715	489	KT15 14 120 V __ __ A
16	400	22,4	1099	818	558	KT15 16 120 V __ __ A
18	450	25,1	1237	920	628	KT15 18 120 V __ __ A
20	500	27,9	1374	1022	698	KT15 20 120 V __ __ A
22	550	30,7	1511	1124	768	KT15 22 120 V __ __ A
24	600	33,5	1649	1227	838	KT15 24 120 V __ __ A
26	650	36,3	1786	1329	907	KT15 26 120 V __ __ A
28	700	39,1	1924	1431	977	KT15 28 120 V __ __ A
30	750	41,9	2061	1533	1047	KT15 30 120 V __ __ A
34	850	47,5	2336	1738	1187	KT15 34 120 V __ __ A
36	900	50,3	2473	1840	1256	KT15 36 120 V __ __ A
38	950	53,1	2611	1942	1326	KT15 38 120 V __ __ A
40	1000	55,9	2748	2044	1396	KT15 40 120 V __ __ A

KARIN VX

TANDEM VERTICAL

Thermal output							Art. nr.
El.	Width	Dry Weight	Δt 50°C	Δt 40°C	Δt 30°C		
n°	L [mm]	[Kg]	[Watt]				
H 1400 mm							
14	350	22,7	1.088	808	551	KT15 14 140 V __ _ A	
16	400	25,9	1.243	924	630	KT15 16 140 V __ _ A	
18	450	29,2	1.399	1039	709	KT15 18 140 V __ _ A	
20	500	32,4	1.554	1155	787	KT15 20 140 V __ _ A	
22	550	35,7	1.709	1270	866	KT15 22 140 V __ _ A	
24	600	38,9	1.865	1386	945	KT15 24 140 V __ _ A	
26	650	42,1	2.020	1501	1024	KT15 26 140 V __ _ A	
28	700	45,4	2.176	1617	1102	KT15 28 140 V __ _ A	
30	750	48,6	2.331	1732	1181	KT15 30 140 V __ _ A	
32	800	51,9	2.486	1848	1260	KT15 32 140 V __ _ A	
34	850	55,1	2.642	1963	1339	KT15 34 140 V __ _ A	
36	900	58,4	2.797	2079	1417	KT15 36 140 V __ _ A	
38	950	61,6	2.953	2194	1496	KT15 38 140 V __ _ A	
40	1000	64,8	3.108	2310	1575	KT15 40 140 V __ _ A	

H 1800 mm						
8	200	16,6	756	561	381	KT15 08 180 V __ _ A
10	250	20,7	945	701	477	KT15 10 180 V __ _ A
12	300	24,8	1.134	841	572	KT15 12 180 V __ _ A
14	350	29,0	1.323	981	667	KT15 14 180 V __ _ A
16	400	33,1	1.512	1121	762	KT15 16 180 V __ _ A
18	450	37,2	1.701	1261	858	KT15 18 180 V __ _ A
20	500	41,4	1.890	1401	953	KT15 20 180 V __ _ A
22	550	45,5	2.079	1542	1048	KT15 22 180 V __ _ A
24	600	49,7	2.268	1682	1144	KT15 24 180 V __ _ A
26	650	53,8	2.457	1822	1239	KT15 26 180 V __ _ A
28	700	57,9	2.646	1962	1334	KT15 28 180 V __ _ A
30	750	62,1	2.835	2102	1430	KT15 30 180 V __ _ A
32	800	66,2	3.024	2242	1525	KT15 32 180 V __ _ A
34	850	70,3	3.213	2382	1620	KT15 34 180 V __ _ A

H 2200 mm						
14	350	35,2	1.323	981	667	KT15 14 220 V __ _ A
16	400	40,3	1.512	1121	762	KT15 16 220 V __ _ A
18	450	45,3	1.701	1261	858	KT15 18 220 V __ _ A
20	500	50,3	1.890	1401	953	KT15 20 220 V __ _ A
22	550	55,4	2.079	1542	1048	KT15 22 220 V __ _ A
24	600	60,4	2.268	1682	1144	KT15 24 220 V __ _ A
26	650	65,4	2.457	1822	1239	KT15 26 220 V __ _ A
28	700	70,5	2.646	1962	1334	KT15 28 220 V __ _ A

Thermal output							Art. nr.
El.	Width	Dry Weight	Δt 50°C	Δt 40°C	Δt 30°C		
n°	L [mm]	[Kg]	[Watt]				
H 1600 mm							
14	350	25,8	1208	897	611	KT15 14 160 V __ __ A	
16	400	29,5	1381	1025	698	KT15 16 160 V __ __ A	
18	450	33,2	1553	1153	785	KT15 18 160 V __ __ A	
20	500	36,9	1726	1281	872	KT15 20 160 V __ __ A	
22	550	40,6	1899	1409	960	KT15 22 160 V __ __ A	
24	600	44,3	2071	1537	1047	KT15 24 160 V __ __ A	
26	650	48,0	2244	1666	1134	KT15 26 160 V __ __ A	
28	700	51,7	2416	1794	1221	KT15 28 160 V __ __ A	
30	750	55,4	2589	1922	1309	KT15 30 160 V __ __ A	
32	800	59,0	2762	2050	1396	KT15 32 160 V __ __ A	
34	850	62,7	2934	2178	1483	KT15 34 160 V __ __ A	
36	900	66,4	3107	2306	1570	KT15 36 160 V __ __ A	
38	950	70,1	3279	2434	1658	KT15 38 160 V __ __ A	

H 2000 mm						
8	200	18,3	818	607	413	KT15 08 200 V __ _ A
10	250	22,9	1023	759	516	KT15 10 200 V __ _ A
12	300	27,5	1228	910	619	KT15 12 200 V __ _ A
14	350	32,1	1432	1062	722	KT15 14 200 V __ _ A
16	400	36,7	1637	1214	826	KT15 16 200 V __ _ A
18	450	41,3	1841	1366	929	KT15 18 200 V __ _ A
20	500	45,9	2046	1517	1032	KT15 20 200 V __ _ A
22	550	50,4	2251	1669	1135	KT15 22 200 V __ _ A
24	600	55,0	2455	1821	1239	KT15 24 200 V __ _ A
26	650	59,6	2660	1973	1342	KT15 26 200 V __ _ A
28	700	64,2	2864	2124	1445	KT15 28 200 V __ _ A
30	750	68,8	3069	2276	1548	KT15 30 200 V __ _ A

H 2500 mm						
14	350	39,94	1432	1062	722	KT15 14 250 V __ _ A
16	400	45,65	1637	1214	826	KT15 16 250 V __ _ A
18	450	51,35	1841	1366	929	KT15 18 250 V __ _ A
20	500	57,06	2046	1517	1032	KT15 20 250 V __ _ A
22	550	62,77	2251	1669	1135	KT15 22 250 V __ _ A
24	600	68,47	2455	1821	1239	KT15 24 250 V __ _ A

HOW TO ORDER THE KARIN VX TANDEM VERTICAL RADIATOR

Radiator model E.g.: KARIN VX TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1900 mm	Connection code Example: connection V08	Color code Es: T01 - Matt black	Constant value
KT15	24	190	V08	T01	A

Example of article code creation

KT15.....KARIN VX TANDEM VERTICAL
24.....24 Elements
190.....Height 1900 mm
V08.....Connection V08 (see product page)
T01.....Color T01 - Matt black (see color chart)
A.....Constant value

The article code will be:

KT15 24 190 V08 T01 A