



ALICE 18 TANDEM VERTICAL



**EUROPEAN
WARRANTY**

RESTYLING

MATERIAL:

- Horizontal collectors in painted mild steel $\varnothing$ 30 mm.
- Double vertical heating elements in painted mild steel $\varnothing$ 18 mm.

FIXING KIT:

Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.

PACKAGING:

Carton 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).

COLOURS:

See colour chart.

ACCESSORIES:

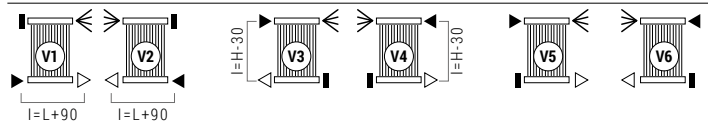
For the complete list, please refer to the accessories chapter.

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. $\Delta T = 50^\circ\text{C}$ [Watt]	29	30,6	34,2	35,7	44,2	45,6	50,4	53,7	62,8
Therm. output per el. $\Delta T = 30^\circ\text{C}$ [Watt]	15,6	16,3	18,1	18,9	22,9	23,6	25,8	27,5	32,2
Dry Weight per section [kg]	0,462	0,487	0,546	0,571	0,714	0,739	0,823	0,882	1,050
Element water content [lt]	0,231	0,246	0,271	0,283	0,352	0,364	0,404	0,432	0,512
Element surface [m ²]	0,061	0,065	0,073	0,076	0,095	0,099	0,110	0,118	0,140
Exp. n	1,2196	1,2263	1,2420	1,2488	1,2870	1,2937	1,3095	1,3095	1,3097
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: $\text{desired output} = \text{output at } \Delta T 50^\circ\text{C} \times (\text{desired } \Delta T / 50)^{1,4}$

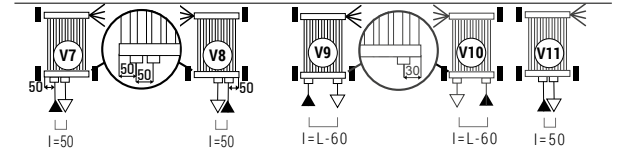
Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. $\Delta T = 50^\circ\text{C}$ [Watt]	71,5	79,8	87,7	91,6	95,3	99	102,6	106,2	113
Therm. output per el. $\Delta T = 30^\circ\text{C}$ [Watt]	36,6	40,8	44,9	46,9	48,8	50,7	52,5	54,3	57,8
Dry Weight per section [kg]	1,218	1,385	1,553	1,637	1,721	1,805	1,889	1,973	2,141
Element water content [lt]	0,593	0,673	0,754	0,794	0,834	0,874	0,915	0,955	1,035
Element surface [m ²]	0,163	0,186	0,208	0,220	0,231	0,242	0,254	0,265	0,287
Exp. n	1,3099	1,3101	1,3104	1,3106	1,3107	1,3109	1,3111	1,3112	1,3116
Pipe centres I [mm] (V3-V4 only)	1370	1570	1770	1870	1970	2070	2170	2270	2470

STANDARD CONNECTIONS WITHOUT SURCHARGE



LEGENDA: ► In ► Out ◀ airvent H Height I pipe centres L width

SPECIAL CONNECTIONS



□ connection ■ welded cap

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

HOW TO ORDER THE RADIATOR ALICE 18 TANDEM VERTICAL

ARTICLE NR. STRUCTURE	Radiator model	Nr of Elements	Height in cm	Code of the connection	Code of the colour	Constant value
AAAA	BB	CCC	DDD	EEE	C	

EXAMPLE	Radiator model E.g.: Alice 18 tandem vertical	Nr of Elements E.g.: 24 elements	Height in cm Example: 800 mm	Code of the connection Example: connection V8	Code of the colour Example: S16 - Canary	Constant value
AT18	24	080	V08	S16	C	

EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:

AT18 ALICE 18 TANDEM VERTICAL

24 24 elements (see the table shown on the side)

080 Height 800 mm (see the table shown on the side)

V08 connection V08

S16 colour S16 - Canary (see page 486)

C (Constant value)

The article code will be:

AT18 24 080 V08 S16 C

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only

Kristal valve square with thermostatic option white R01

Copper conn. $\varnothing$ 12/14/15
Art. nr. 5991990311161

Multilayer conn. $\varnothing$ 16
Art. nr. 5991990311160

Kristal valve square pipe centres 50 mm right white R01

Copper conn. $\varnothing$ 12/14/15
Art. nr. 5991990311186

Multilayer conn. $\varnothing$ 16
Art. nr. 5991990311185

Thermostatic head white

(Kit 2 pieces)

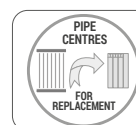
Art. nr. 5035270710016

Art. nr. are referred to colour WHITE R01

ALICE 18 TANDEM VERTICAL

Height H [mm]		500	530	600	630	800	830	930	1000	1200
Width L [mm]	N° El.	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$
125	5	145	153	171	179	221	228	252	268	314
150	6	174	183	205	214	265	274	302	322	377
175	7	203	214	239	250	309	319	353	376	439
200	8	232	245	273	286	353	365	403	430	502
225	9	261	275	308	321	398	411	454	483	565
250	10	290	306	342	357	442	456	504	537	628
275	11	319	336	376	393	486	502	555	591	691
300	12	348	367	410	429	530	548	605	644	753
325	13	377	397	444	464	574	593	655	698	816
350	14	406	428	479	500	618	639	706	752	879
375	15	435	458	513	536	663	684	756	805	942
400	16	464	489	547	571	707	730	807	859	1004
425	17	493	520	581	607	751	776	857	913	1067
450	18	522	550	615	643	795	821	907	966	1130
475	19	551	581	650	679	839	867	958	1020	1193
500	20	580	611	684	714	883	913	1008	1074	1256
525	21	609	642	718	750	928	958	1059	1128	1318
550	22	638	672	752	786	972	1004	1109	1181	1381
575	23	667	703	786	821	1016	1050	1159	1235	1444
600	24	696	734	820	857	1060	1095	1210	1289	1507
625	25	725	764	855	893	1104	1141	1260	1342	1569
650	26	754	795	889	929	1149	1186	1311	1396	1632
675	27	783	825	923	964	1193	1232	1361	1450	1695
700	28	812	856	957	1000	1237	1278	1412	1503	1758
725	29	841	886	991	1036	1281	1323	1462	1557	1820
750	30	870	917	1026	1071	1325	1369	1512	1611	1883
775	31	899	948	1060	1107	1369	1415	1563	1664	1946
800	32	928	978	1094	1143	1414	1460	1613	1718	2009
825	33	957	1009	1128	1179	1458	1506	1664	1772	2072
850	34	986	1039	1162	1214	1502	1551	1714	1825	2134
875	35	1015	1070	1196	1250	1546	1597	1764	1879	2197
900	36	1044	1100	1231	1286	1590	1643	1815	1933	2260
925	37	1073	1131	1265	1321	1634	1688	1865	1987	2323
950	38	1102	1161	1299	1357	1679	1734	1916	2040	2385
975	39	1131	1192	1333	1393	1723	1780	1966	2094	2448
1000	40	1160	1223	1367	1429	1767	1825	2016	2148	2511

All intermediate sizes are available for widths from 5 to 40 elements and heights from 500 to 2500 mm



Replacement heights are marked in grey colour.

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$
125	5	357	399	439	458	477	495	513	531	565
150	6	429	479	526	549	572	594	616	637	678
175	7	500	558	614	641	667	693	718	743	791
200	8	572	638	702	733	763	792	821	849	904
225	9	643	718	789	824	858	891	924	955	1017
250	10	715	798	877	916	953	990	1026	1062	1130
275	11	786	877	965	1007	1049	1089	1129	1168	1243
300	12	858	957	1053	1099	1144	1188	1232	1274	1356
325	13	929	1037	1140	1190	1239	1287	1334	1380	1469
350	14	1000	1117	1228	1282	1335	1386	1437	1486	1582
375	15	1072	1197	1316	1374	1430	1485	1539	1592	1695
400	16	1143	1276	1404	1465	1525	1584	1642	1699	1808
425	17	1215	1356	1491	1557	1621	1683	1745	1805	1921
450	18	1286	1436	1579	1648	1716	1782	1847	1911	2034
475	19	1358	1516	1667	1740	1811	1881	1950	2017	2147
500	20	1429	1595	1754	1831	1907	1980	2053	2123	2260
525	21	1501	1675	1842	1923	2002	2079	2155	2229	2373
550	22	1572	1755	1930	2015	2097	2178	2258	2335	2486
575	23	1644	1835	2018	2106	2193	2277	2360	2442	2599
600	24	1715	1914	2105	2198	2288	2377	2463	2548	2712
625	25	1787	1994	2193	2289	2383	2476	2566	2654	2825
650	26	1858	2074	2281	2381	2479	2575	2668	2760	2938
675	27	1929	2154	2368	2472	2574	2674	2771	2866	3051
700	28	2001	2234	2456	2564	2669	2773	2874	2972	3164
725	29	2072	2313	2544	2656	2765	2872	2976	3079	3277
750	30	2144	2393	2632	2747	2860	2971	3079	3185	3390
775	31	2215	2473	2719	2839	2955	3070	3181	3291	3503
800	32	2287	2553	2807	2930	3051	3169	3284	3397	3616
825	33	2358	2632	2895	3022	3146	3268	3387	3503	3729
850	34	2430	2712	2983	3113	3241	3367	3489	3609	3842
875	35	2501	2792	3070	3205	3337	3466	3592	3715	3955
900	36	2573	2872	3158	3297	3432	3565	3695	3822	4068
925	37	2644	2951	3246	3388	3527	3664	3797	3928	4181
950	38	2715	3031	3333	3480	3623	3763	3900	4034	4294
975	39	2787	3111	3421	3571	3718	3862	4002	4140	4407
1000	40	2858	3191	3509	3663	3813	3961	4105	4246	4520