jaga

CATALOGUE



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JAGA VALUES



Jaga is built on five core values which run through everything we do.

We are devoted to developing heating, cooling and ventilation solutions that use less energy and raw materials. The most environmentally-friendly way is the Jaga way!

RESPECT NATURE

Striking the balance between man and the environment, we must respect our planet and work to preserve it for the future.









RESPECT NATURE

AWAKE THE ARTIST

We create technology to deliver high performance. Our products are also works of art, designed to compliment the surroundings of any room.











AWAKE THE ARTIST



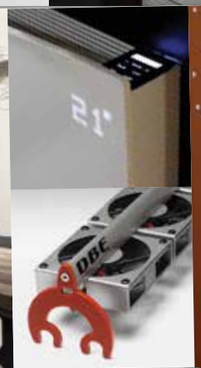


DREAM A FUTURE

We look to the future when designing products to create a positive impact on people's lives and our planet.











DREAM A FUTURE

CREATE EMOTION

Life is about passion, emotions and experiences and we use all of these to create exciting and unique designs.









CREATE EMOTION

BUILDING BRIDGES







BUILDING BRIDGES

We choose to work with like-minded people and companies to unite forces to build a better world.



THE JAGA LST PORTFOLIO

OUR COMPREHENSIVE RANGE OFFERS YOU THE OPTIMUM SOLUTION FOR ALL APPLICATIONS.

Product	Options	Recommended Application	Key Features	Sizes	Options	Notes
TEMPO LST 	- Wall mounted above skirting - Freestanding - Freestanding with extended foot	Care & Nursing Homes Sheltered Housing	- Rounded corners - Easy handling & storage - Great value for money - Split deliveries (if required) - Damaged casing parts easily replaced	Wall: - Heights 200 to 900mm - Lengths 400 to 3000mm Freestanding: - Heights 200 to 500mm - Lengths 400 to 3000mm	- DBE - High level valve - Casing locks - Pencil-proof grille - Continuous casings - Twin emitter - Oxygen ventilation system	- Flat packed for reduced storage - For Tempo Freestanding both fixed and adjustable length feet are available
GUARDIAN LST 	- Wall mounted above skirting (WT) - Wall mounted with casing to finished floor level (FT)	Care & Nursing Homes Sheltered Housing Educational Establishments Public & Government Buildings Hotels and Leisure Centres Hospitals & Healthcare	- One piece casing - Rounded corners - Knock-outs for valves and skirting (FT only) - Many sizes held as stocked items for fast delivery - Casing locks - Split deliveries (if required)	Wall (WT): - Heights 400 to 600mm - Lengths 440 to 2040mm Floor (FT): - Heights 400 to 800mm - Lengths 440 to 2040mm	- DBE - High level valve - Oxygen - Pencil-proof grille - Oxygen ventilation system	- With casing to finished floor level, all pipework is covered preventing access to the underside (FT)
MAXI 2020 LST 	- Wall mounted above skirting - Wall fixed/floor mounted - Top or front face grilles WF - Wall model with front grille WT - Wall model with top grille FF - Floor model with two front grilles FT – Floor model with top grille	Care & Nursing Homes Prisons & Secure Facilities Hospitals & Healthcare Any Heavy Duty Applications Hotels and Leisure Centres Educational Establishments	- Super strong casing - Rounded corners - Split deliveries (if required) - Casing locks	Wall: - Heights 440 to 740mm - Lengths 630 to 2030mm Floor: - Heights 590 to 740mm - Lengths 630 to 2030mm	- DBE - High level valve - Range of colours - Anti bacterial coating - Anti ligature grilles (FT/FF) - Continuous casings - Pencil-proof grille (WT/FT) - Oxygen ventilation system	- Floor model with casing to finished floor level, all pipework is covered preventing access to the underside (FF/FT) - 1.5mm thick steel ‘U’ channels riveted together for an ultra strong front panel

For information on all of our LST range please contact customer services on 01531 631533 or www.jaga.co.uk

ENTER THE JAGA BRAIN

JAGA EXPERIENCE LAB

A UNIQUE CLIMATE LABORATORY AND AUDITORIUM

where new radiators are born,
where new technologies are conceived and tested,
where Jaga's future philosophy is formulated,
where work is done on a cleaner environment,
and where a better world is dreamt of ...



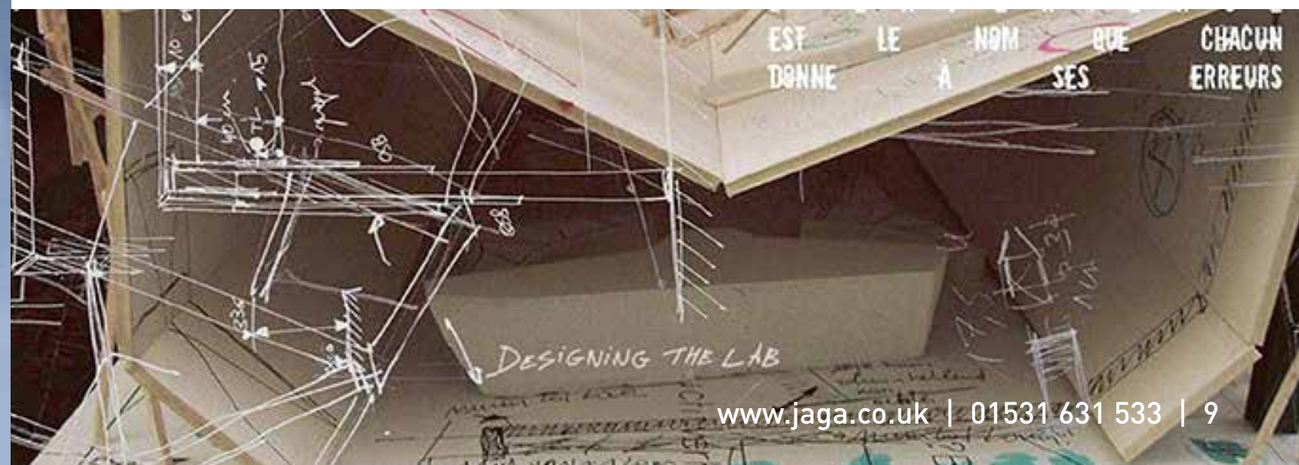
ENTER THE JAGA BRAIN





THE JAGA EXPERIENCE LAB

is a unique scientific climate laboratory for comparative studies and simulations between different heating or cooling systems. **The Lab consists of a 600 m³ climate chamber and a multi-functional auditorium.** There are 2 identical test rooms in the climate chamber. Extreme weather conditions can be simulated, with temperatures ranging from -30°C to +30°C, which means that heating as well as cooling systems can be tested and compared. Several measurements are carried out simultaneously in the climate chamber and test rooms: air temperature, temperature of the walls, black bulb radiation temperature, flow and return water temperature, CO_2 level, humidity etc. A total of 120 measurements are captured and recorded on the spot by the climate logger in the control room. All the data can then be visualised and projected so that visitors in the auditorium can follow the tests live.



LOW-H_2O: LIGHTER, FASTER AND EFFICIENT



THE LOW WATER CONTENT RADIATOR

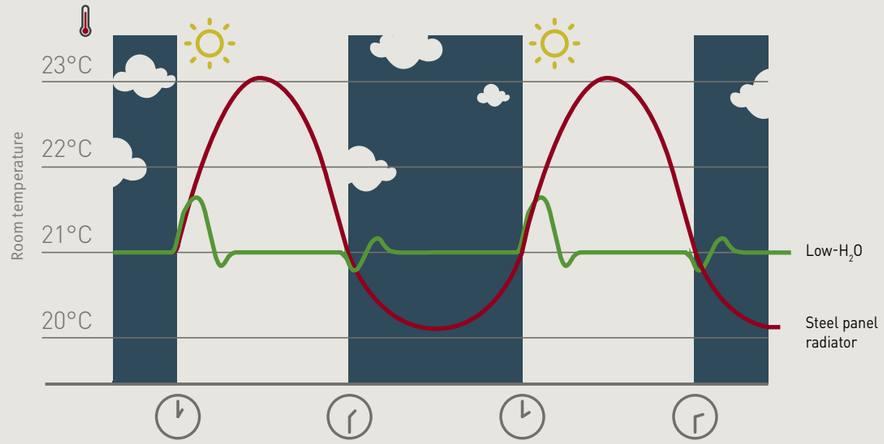
Jaga's Low-H_2O radiators contain 90% less water than that of a steel panel radiator, meaning they are faster to heat up and cool down. This means Low-H_2O radiators react faster to the occupants' needs as well as changes to ambient temperature. This ensures better comfort with less energy consumption, no wasteful over-heating and reduced demand on the heating system itself. They also have no heavy steel panels that require pre-heating, are far lighter to install and remain much lighter when fully filled during usage. The ultra-modern aluminium and copper heat exchanger, which comes with a 30 year guarantee provides rapid energy efficient heat to any space.

Research by KIWA show that Low-H_2O radiators consume between 9 and 16%* less energy than a system with steel panel radiators. They achieve the desired temperature faster with less heat wasted through unnecessary over-heating, common in heavier radiators.

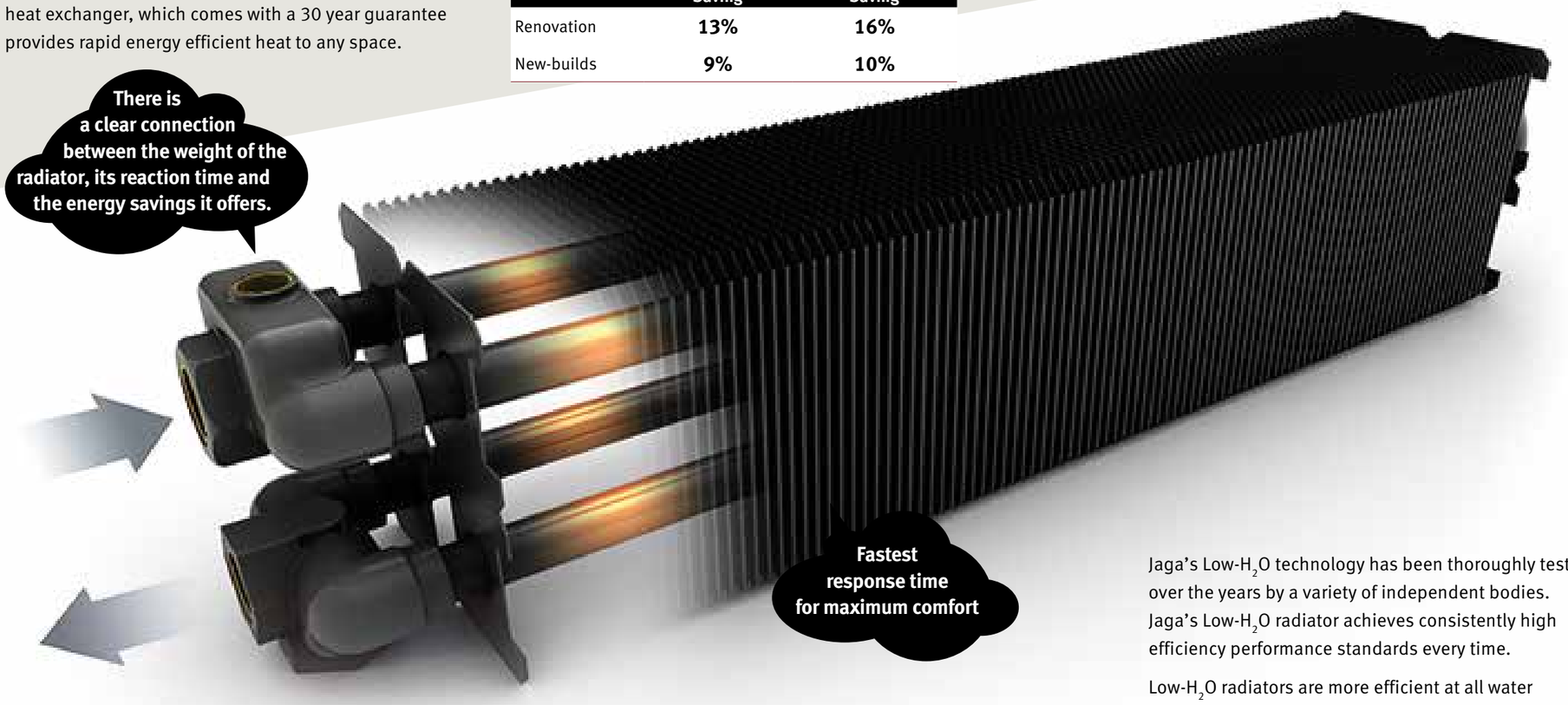
Comparison Low-H2O/panel radiators

	Water temp. › 50°C **Saving**	Water temp. ≤ 50°C **Saving**
Renovation	**13%**	**16%**
New-builds	**9%**	**10%**

COMPARISON OF RESPONSE TIME TO TEMPERATURE CHANGES



There is a clear connection between the weight of the radiator, its reaction time and the energy savings it offers.



Fastest response time for maximum comfort

Scientific and Technical Centre for the Construction Company Brussels, 1981

Technical University Eindhoven, 2001

Kiwa Certification Apeldoorn, 2014

Thermic Regulation France, 2012

Building Research Establishment- UK Watford, 2003

GUARANTEE 30 YEAR HEAT EXCHANGER

Jaga's Low-H_2O technology has been thoroughly tested over the years by a variety of independent bodies. Jaga's Low-H_2O radiator achieves consistently high efficiency performance standards every time.

Low-H_2O radiators are more efficient at all water temperatures, making them the perfect partner for renewable systems and boilers alike. In all conditions Low-H_2O radiators achieve the maximum scores set by ISSO. Without a maximum score*, the Low-H_2O exchanger would achieve even higher. KIWA found Low-H_2O to be at least 5% more economical than underfloor heating.

**The minimum required score is 1.00 (100%) for Low-H_2O as per the quality declaration, and average score of 0.05 (95%) for underfloor heating, according to NEN7120, Table 14.1, delivery efficiency up to 8m.*

DYNAMIC BOOST EFFECT (DBE) TECHNOLOGY

RADIATORS THAT ACTUALLY WORK WITH HEAT PUMPS



UP TO **3 TIMES** THE HEATING OUTPUT AT LOWER WATER TEMPERATURES

Heat pumps and solar thermal energy generally require much larger radiators as they operate with very low water temperatures that often don't exceed 35°C. Low-H_2O radiators do not need to increase in size when working with lower water temperatures.

With DBE technology the same heat output can be achieved from a similar size radiator compared to a radiator working with a gas or oil fired heating system, allowing the installation of renewable heating systems without compromising on comfort and aesthetics.

Jaga's innovative DBE technology is a self-regulating system which responds automatically to changes in room temperature. When in **comfort mode** the DBE system operates by measuring radiator water temperature and room air temperature to boost outputs as needed. DBE can also be manually triggered to further increase outputs for approximately 15 minutes in boost mode.

Low-H_2O radiators still deliver effective heating even with DBE in standby mode. DBE however is not a standalone fan or air conditioner and needs to be partnered with the Low-H_2O heat exchanger to be effective.



STRADA

WARMTH & EFFICIENCY WITH CUTTING EDGE DESIGN

- Sleek and contemporary design
- Cool to touch
- Compact sizes even at low water temperatures (see DBE)



design award winner

GUARANTEE 30 YEAR HEAT EXCHANGER

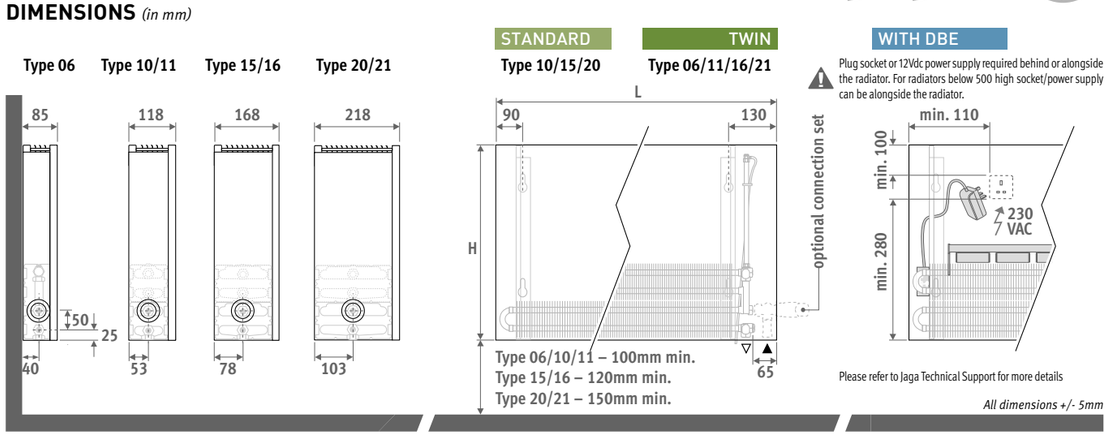
jaga

PRESENTING AWARD-WINNING STRADA

STRADA

EN 442 · 75/65 · 55/45 · DBE 35/30 · GUARANTEE 30 YEAR HEAT EXCHANGER

DIMENSIONS *(in mm)*



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

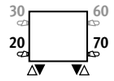
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart.

CONNECTION

Standard connection:
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve: add to the code of the radiator /30 (left) or /60 (right)
Ex. STRW.035 050 06.xxx/**60**



Optional remote controlled valve: add to the code of the radiator /00.

Ex. STRW.035 050 06.xxx/**00**

ORDERING CODE

code	height	length	type	colour
STRW .	020	050	10 .	XXX

enter colour code

ORDERING CODE WITH DBE

code	height	length	type	colour	Option
STRW .	020	060	06 .	XXX	/DBE

enter colour code

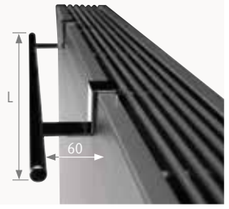
Products with DBE have outputs shown based on 'comfort' mode (see page 11).

For other outputs, please see **www.jaga.co.uk**



TOWEL RAIL

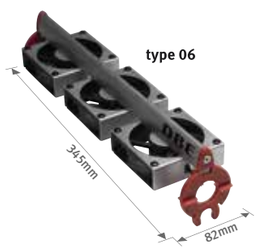
in chrome-plated aluminium



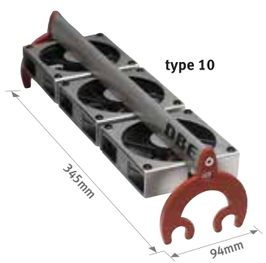
CODE	L
5501.001	560
5501.002	660

OPTIONAL: DBE

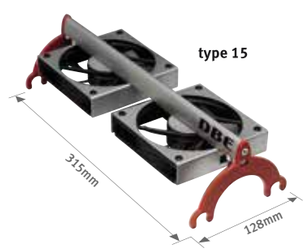
DBE UNIT DBEU.06



DBE UNIT DBEU.10



DBE UNIT DBEU.15



See page 11 for more information on DBE technology

HEIGHT 200 · OUTPUT TABLES

STRW.020 LLL TT.XXX | **STRW.020 LLL TT.XXX/DBE**

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
500	N/A	N/A	N/A	06	269	131	N/A	N/A	N/A	N/A
	10	328	159	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	15	545	265	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	20	766	373	N/A	N/A	N/A	N/A	N/A	N/A	N/A
600	N/A	N/A	N/A	06	323	157	N/A	N/A	N/A	N/A
	10	393	191	N/A	N/A	N/A	10	543	326	136
	15	654	319	N/A	N/A	N/A	15	904	542	226
	20	919	448	N/A	N/A	N/A	20	1169	701	292
700	N/A	N/A	N/A	06	377	183	N/A	N/A	N/A	N/A
	10	459	223	N/A	N/A	N/A	10	609	365	152
	15	763	372	N/A	N/A	N/A	15	1013	608	253
	20	1072	522	N/A	N/A	N/A	20	1322	793	331
800	N/A	N/A	N/A	06	430	209	N/A	N/A	N/A	N/A
	10	524	255	N/A	N/A	N/A	10	674	404	169
	15	872	425	N/A	N/A	N/A	15	1122	673	281
	20	1226	597	N/A	N/A	N/A	20	1476	886	369
900	N/A	N/A	N/A	06	484	236	N/A	N/A	N/A	N/A
	10	590	287	N/A	N/A	N/A	10	890	534	223
	15	981	478	N/A	N/A	N/A	15	1481	889	370
	20	1379	672	N/A	N/A	N/A	20	1879	1127	470
1000	N/A	N/A	N/A	06	538	262	N/A	N/A	N/A	N/A
	10	655	318	N/A	N/A	N/A	10	955	573	239
	15	1090	531	N/A	N/A	N/A	15	1590	954	398
	20	1532	746	N/A	N/A	N/A	20	2032	1219	508
1100	N/A	N/A	N/A	06	592	288	N/A	N/A	N/A	N/A
	10	721	350	N/A	N/A	N/A	10	w1021	613	255
	15	1199	584	N/A	N/A	N/A	15	1699	1019	425
	20	1685	821	N/A	N/A	N/A	20	2185	1311	546
1200	N/A	N/A	N/A	06	646	314	N/A	N/A	N/A	N/A
	10	786	382	N/A	N/A	N/A	10	1086	652	272
	15	1308	637	N/A	N/A	N/A	15	1808	1085	452
	20	1838	895	N/A	N/A	N/A	20	2338	1403	585
1400	N/A	N/A	N/A	06	753	366	N/A	N/A	N/A	N/A
	10	917	446	N/A	N/A	N/A	10	1217	730	304
	15	1526	743	N/A	N/A	N/A	15	2026	1216	507
	20	2145	1045	N/A	N/A	N/A	20	2645	1587	661
1600	N/A	N/A	N/A	06	861	419	N/A	N/A	N/A	N/A
	10	1048	509	N/A	N/A	N/A	10	1648	989	412
	15	1744	850	N/A	N/A	N/A	15	2744	1646	686
	20	2451	1194	N/A	N/A	N/A	20	3451	2071	863
1800	N/A	N/A	N/A	06	968	471	N/A	N/A	N/A	N/A
	10	1179	573	N/A	N/A	N/A	10	1779	1067	445
	15	1962	956	N/A	N/A	N/A	15	2962	1777	741
	20	2758	1343	N/A	N/A	N/A	20	3758	2255	940
2000	N/A	N/A	N/A	06	1076	524	N/A	N/A	N/A	N/A
	10	1310	637	N/A	N/A	N/A	10	1910	1146	478
	15	2180	1062	N/A	N/A	N/A	15	3180	1908	795
	20	3064	1493	N/A	N/A	N/A	20	4064	2438	1016
2400	N/A	N/A	N/A	06	1291	628	N/A	N/A	N/A	N/A
	10	1572	764	N/A	N/A	N/A	10	2472	1483	618
	15	2616	1274	N/A	N/A	N/A	15	4116	2470	1029
	20	3677	1791	N/A	N/A	N/A	20	5177	3106	1291
2800	N/A	N/A	N/A	06	1506	733	N/A	N/A	N/A	N/A
	10	1834	891	N/A	N/A	N/A	10	2734	1640	684
	15	3052	1487	N/A	N/A	N/A	15	4552	2731	1138
	20	4290	2090	N/A	N/A	N/A	20	5790	3474	1448

EN442 output at 20°C room temperature

HEIGHT 350 · OUTPUT TABLES

STRW.035 LLL TT.XXX

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
500	N/A	N/A	N/A	06	395	194	N/A	N/A	N/A	N/A
	10	449	220	11	598	287	N/A	N/A	N/A	N/A
	15	735	361	16	797	378	N/A	N/A	N/A	N/A
	20	1030	506	21	1057	498	N/A	N/A	N/A	N/A
600	N/A	N/A	N/A	06	474	233	06	609	365	152
	10	539	264	11	718	344	11	1018	611	255
	15	882	434	16	956	454	16	1436	862	359
	20	1236	608	21	1268	598	21	1748	1049	437
700	N/A	N/A	N/A	06	553	271	06	688	413	172
	10	629	308	11	837	401	11	1137	682	284
	15	1029	506	16	1115	529	16	1595	957	399
	20	1442	709	21	1480	698	21	1960	1176	490
800	N/A	N/A	N/A	06	632	310	06	767	460	192
	10	718	351	11	957	459	11	1257	754	314
	15	1176	578	16	1274	605	16	1754	1052	439
	20	1648	810	21	1691	797	21	2171	1303	543
900	N/A	N/A	N/A	06	711	349	06	981	589	245
	10	808	395	11	1076	516	11	1676	1006	419
	15	1323	650	16	1434	681	16	2394	1436	599
	20	1854	911	21	1903	897	21	2863	1718	716
1000	N/A	N/A	N/A	06	790	388	06	1060	636	265
	10	898	439	11	1196	573	11	1796	1078	449
	15	1470	723	16	1593	756	16	2553	1532	638
	20	2060	1013	21	2114	997	21	3074	1844	769
1100	N/A	N/A	N/A	06	869	427	06	1139	683	285
	10	988	483	11	1316	631	11	1916	1150	479
	15	1617	795	16	1752	832	16	2712	1627	678
	20	2266	1114	21	2325	1096	21	3285	1971	821
1200	N/A	N/A	N/A	06	948	465	06	1218	731	305
	10	1078	528	11	1435	688	11	2035	1221	509
	15	1764	867	16	1912	908	16	2872	1723	718
	20	2472	1215	21	2537	1196	21	3497	2098	874
1400	N/A	N/A	N/A	06	1106	543	06	1376	826	344
	10	1257	615	11	1674	802	11	2274	1364	569
	15	2058	1012	16	2230	1059	16	3190	1914	798
	20	2884	1418	21	2960	1396	21	3920	2352	980
1600	N/A	N/A	N/A	06	1264	620	06	1804	1082	451
	10	1437	703	11	1914	917	11	3114	1868	779
	15	2352	1156	16	2549	1210	16	4469	2681	1117
	20	3296	1620	21	3382	1594	21	5302	3181	1326
1800	N/A	N/A	N/A	06	1422	698	06	1962	1177	491
	10	1616	791	11	2153	1032	11	3353	2012	838
	15	2646	1301	16	2867	1361	16	4787	2872	1197
	20	3708	1823	21	3805	1794	21	5725	3435	1431
2000	N/A	N/A	N/A	06	1580	776	06	2120	1272	530
	10	1796	879	11	2392	1146	11	3592	2155	898
	15	2940	1445	16	3186	1513	16	5106	3064	1277
	20	4120	2025	21	4228	1993	21	6148	3689	1537
2400	N/A	N/A	N/A	06	1896	931	06	2706	1624	677
	10	2155	1055	11	2870	1375	11	4670	2802	1168
	15	3528	1734	16	3823	1815	16	6703	4022	1676
	20	4944	2431	21	5074	2392	21	7954	4772	1989
2800	N/A	N/A	N/A	06	2212	1086	06	3022	1813	756
	10	2514	1230	11	3349	1605	11	5149	3089	1287
	15	4116	2024	16	4460	2118	16	7340	4404	1835
	20	5768	2836	21	5919	2791	21	8799	5279	2200

EN442 output at 20°C room temperature

HEIGHT 500 · OUTPUT TABLES

STRW.050 LLL TT.XXX

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
500	N/A	N/A	N/A	06	474	235	N/A	N/A	N/A	N/A
	10	538	265	11	693	332	N/A	N/A	N/A	N/A
	15	867	430	16	949	449	N/A	N/A	N/A	N/A
	20	1213	602	21	1291	605	N/A	N/A	N/A	N/A
600	N/A	N/A	N/A	06	568	282	06	703	422	176
	10	646	318	11	832	399	11	1132	679	283
	15	1040	516	16	1139	539	16	1619	971	405
	20	1455	722	21	1549	725	21	2029	1217	507
700	N/A	N/A	N/A	06	663	329	06	798	479	200
	10	753	371	11	970	465	11	1270	762	318
	15	1214	602	16	1329	629	16	1809	1085	452
	20	1698	842	21	1807	846	21	2287	1372	572
800	N/A	N/A	N/A	06	758	376	06	893	536	223
	10	861	424	11	1109	532	11	1409	845	352
	15	1387	688	16	1518	719	16	1998	1199	500
	20	1940	962	21	2066	968	21	2546	1528	637
900	N/A	N/A	N/A	06	852	423	06	1122	673	281
	10	968	477	11	1247	598	11	1847	1108	462
	15	1561	774	16	1708	809	16	2668	1601	667
	20	2183	1083	21	2324	1088	21	3284	1970	821
1000	N/A	N/A	N/A	06	947	470	06	1217	730	304
	10	1076	530	11	1386	665	11	1986	1192	497
	15	1734	860	16	1898	898	16	2858	1715	715
	20	2425	1203	21	2582	1209	21	3542	2125	886
1100	N/A	N/A	N/A	06	1042	517	06	1312	787	328
	10	1184	584	11	1525	732	11	2125	1275	531
	15	1907	946	16	2088	988	16	3048	1829	762
	20	2668	1323	21	2840	1330	21	3800	2280	950
1200	N/A	N/A	N/A	06	1136	564	06	1406	844	352
	10	1291	636	11	1663	798	11	2263	1358	566
	15	2081	1032	16	2278	1078	16	3238	1943	810
	20	2910	1443	21	3098	1451	21	4058	2435	1015
1400	N/A	N/A	N/A	06	1326	658	06	1596	958	399
	10	1506	742	11	1940	931	11	2540	1524	635
	15	2428	1204	16	2657	1258	16	3617	2170	904
	20	3395	1684	21	3615	1693	21	4575	2745	1144
1600	N/A	N/A	N/A	06	1515	752	06	2055	1233	514
	10	1722	849	11	2218	1064	11	3418	2051	855
	15	2774	1376	16	3037	1438	16	4957	2974	1239
	20	3880	1924	21	4131	1935	21	6051	3631	1513
1800	N/A	N/A	N/A	06	1705	846	06	2245	1347	561
	10	1937	955	11	2495	1197	11	3695	2217	924
	15	3121	1548	16	3416	1617	16	5336	3202	1334
	20	4365	2165	21	4648	2177	21	6568	3941	1642
2000	N/A	N/A	N/A	06	1894	940	06	2434	1460	609
	10	2152	1061	11	2772	1330	11	3972	2383	993
	15	3468	1720	16	3796	1797	16	5716	3430	1429
	20	4850	2405	21	5164	2418	21	7084	4250	1771
2400	N/A	N/A	N/A	06	2273	1128	06	3083	1850	771
	10	2582	1273	11	3326	1596	11	5126	3076	1282
	15	4162	2064	16	4555	2156	16	7435	4461	1859
	20	5820	2886	21	6197	2902	21	9077	5446	2269
2800	N/A	N/A	N/A	06	2652	1316	06	3462	2077	866
	10	3013	1485	11	3881	1862	11	5681	3409	1420
	15	4855	2408	16	5314	2516	16	8194	4916	2049
	20	6790	3367	21	7230	3386	21	10110	6066	2528

EN442 output at 20°C room temperature

HEIGHT 650 · OUTPUT TABLES

STRW.065 LLL TT.XXX

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
500	N/A	N/A	N/A	06	533	267
	10	606	301	11	772	371
	15	961	481	16	1087	513
	20	1343	672	21	1515	705
600	N/A	N/A	N/A	06	640	321
	10	727	361	11	926	444
	15	1153	577	16	1304	615
	20	1611	806	21	1818	846
700	N/A	N/A	N/A	06	746	374
	10	848	421	11	1080	518
	15	1345	673	16	1521	718
	20	1880	941	21	2121	987
800	N/A	N/A	N/A	06	853	428
	10	969	481	11	1234	592
	15	1538	770	16	1738	820
	20	2148	1075	21	2424	1128
900	N/A	N/A	N/A	06	959	481
	10	1090	541	11	1389	667
	15	1730	866	16	1956	923
	20	2417	1210	21	2727	1269
1000	N/A	N/A	N/A	06	1066	535
	10	1211	601	11	1543	741
	15	1922	962	16	2173	1026
	20	2685	1344	21	3030	1410
1100	N/A	N/A	N/A	06	1173	589
	10	1332	661	11	1697	814
	15	2114	1058	16	2390	1128
	20	2954	1478	21	3333	1551
1200	N/A	N/A	N/A	06	1279	642
	10	1453	721	11	1852	889
	15	2306	1154	16	2608	1231
	20	3222	1613	21	3636	1692
1400	N/A	N/A	N/A	06	1492	749
	10	1695	841	11	2160	1037
	15	2691	1347	16	3042	1436
	20	3759	1881	21	4242	1975
1600	N/A	N/A	N/A	06	1706	856
	10	1938	962	11	2469	1185
	15	3075	1539	16	3477	1641
	20	4296	2150	21	4848	2257
1800	N/A	N/A	N/A	06	1919	963
	10	2180	1082	11	2777	1333
	15	3460	1732	16	3911	1846
	20	4833	2419	21	5454	2539
2000	N/A	N/A	N/A	06	2132	1070
	10	2422	1202	11	3086	1481
	15	3844	1924	16	4346	2051
	20	5370	2688	21	6060	2821
2400	N/A	N/A	N/A	06	2558	1284
	10	2906	1443	11	3703	1777
	15	4613	2309	16	5215	2461
	20	6444	3225	21	7272	3385
2800	N/A	N/A	N/A	06	2985	1498
	10	3391	1683	11	4320	2073
	15	5382	2694	16	6084	2871
	20	7518	3763	21	8484	3949

STRW.065 LLL TT.XXX/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	06	775	465	194
	11	1226	736	307
	16	1784	1070	446
	21	2298	1379	575
700	06	881	529	220
	11	1380	828	345
	16	2001	1201	500
	21	2601	1561	650
800	06	988	593	247
	11	1534	920	384
	16	2218	1331	555
	21	2904	1742	726
900	06	1229	737	307
	11	1989	1193	497
	16	2916	1750	729
	21	3687	2212	922
1000	06	1336	802	334
	11	2143	1286	536
	16	3133	1880	783
	21	3990	2394	998
1100	06	1443	866	361
	11	2297	1378	574
	16	3350	2010	838
	21	4293	2576	1073
1200	06	1549	929	387
	11	2452	1471	613
	16	3568	2141	892
	21	4596	2758	1149
1400	06	1762	1057	441
	11	2760	1656	690
	16	4002	2401	1001
	21	5202	3121	1301
1600	06	2246	1348	562
	11	3669	2201	917
	16	5397	3238	1349
	21	6768	4061	1692
1800	06	2459	1475	615
	11	3977	2386	994
	16	5831	3499	1458
	21	7374	4424	1844
2000	06	2672	1603	668
	11	4286	2572	1072
	16	6266	3760	1567
	21	7980	4788	1995
2400	06	3368	2021	842
	11	5503	3302	1376
	16	8095	4857	2024
	21	10152	6091	2538
2800	06	3795	2277	949
	11	6120	3672	1530
	16	8964	5378	2241
	21	11364	6818	2841

EN442 output at 20°C room temperature

HEIGHT 950 · OUTPUT TABLES

STRW.095 LLL TT.XXX

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
600	N/A	N/A	N/A	06	736	378
	10	836	421	11	1078	518
	15	1288	656	16	1606	753
	20	1795	915	21	2352	1081
700	N/A	N/A	N/A	06	858	440
	10	975	491	11	1257	604
	15	1502	765	16	1874	879
	20	2094	1067	21	2744	1261
800	N/A	N/A	N/A	06	981	503
	10	1114	561	11	1437	691
	15	1717	875	16	2142	1005
	20	2394	1220	21	3136	1441
900	N/A	N/A	N/A	06	1103	566
	10	1254	631	11	1616	777
	15	1931	984	16	2409	1130
	20	2693	1372	21	3528	1621
1000	N/A	N/A	N/A	06	1226	629
	10	1393	701	11	1796	863
	15	2146	1093	16	2677	1256
	20	2992	1524	21	3920	1801
1100	N/A	N/A	N/A	06	1349	692
	10	1532	771	11	1976	950
	15	2361	1203	16	2945	1381
	20	3291	1677	21	4312	1982
1200	N/A	N/A	N/A	06	1471	754
	10	1672	842	11	2155	1036
	15	2575	1312	16	3212	1507
	20	3590	1829	21	4704	2162
1400	N/A	N/A	N/A	06	1716	880
	10	1950	982	11	2514	1208
	15	3004	1531	16	3748	1758
	20	4189	2134	21	5488	2522

STRW.095 LLL TT.XXX/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
600	06	871	523	218
	11	1378	827	345
	16	2086	1252	522
	21	2832	1699	708
700	06	993	596	248
	11	1557	934	389
	16	2354	1412	589
	21	3224	1934	806
800	06	1116	670	279
	11	1737	1042	434
	16	2622	1573	656
	21	3616	2170	904
900	06	1373	824	343
	11	2216	1330	554
	16	3369	2021	842
	21	4488	2693	1122
1000	06	1496	898	374
	11	2396	1438	599
	16	3637	2182	909
	21	4880	2928	1220
1100	06	1619	971	405
	11	2576	1546	644
	16	3905	2343	976
	21	5272	3163	1318
1200	06	1741	1045	435
	11	2755	1653	689
	16	4172	2503	1043
	21	5664	3398	1416
1400	06	1986	1192	497
	11	3114	1868	779
	16	4708	2825	1177
	21	6448	3869	1612

EN442 output at 20°C room temperature

LINEA PLUS

SLIM LINE & POWERFUL

- A Jaga classic with timeless design, the first award winning radiator ever !
- Discreet, slim-line design with perforated and curved grille
- Clean and simple, flat front panel.
- Partially pre-assembled for quick installation
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles
- DBE model for super-low water temperatures from 28°C
- Suitable for an integrated valve and concealed connection
- Safe surface temperature

1990 European **Design Prize**

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

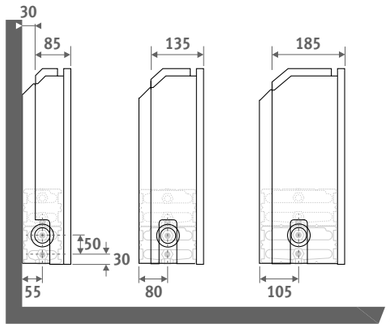
PRESENTING LINEA PLUS



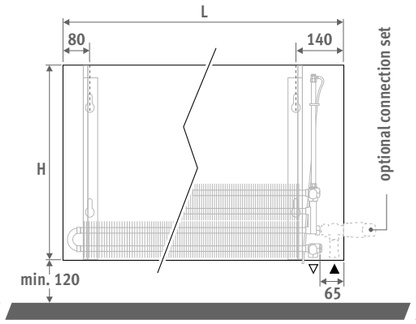
LINEA PLUS

DIMENSIONS *(in mm)*

Type 10/11 | Type 15/16 | Type 20/21

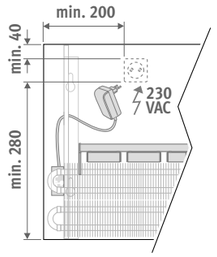


STANDARD — Type 10/15/20 | TWIN — Type 11/16/21



WITH DBE

⚠ Plug socket or 12Vdc power supply required behind or alongside the radiator.



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

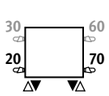
Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart.

CONNECTION

Standard connection:
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:
add to the code of the radiator /30 (left) or /60 (right)
Ex. LINW.035 050 10.xxx/**60**



Optional remote controlled valve:
add to the code of the radiator /00.
Ex. LINW.035 050 10.xxx/**00**

VALVES

See page 96.

ORDERING CODE

code	*height*	*length*	*type*	*colour*
LINW .	**020**	**050**	**10 .**	**XXX**

fill in colour code

ORDERING CODE WITH DBE

code	*height*	*length*	*type*	*colour*	*Option*
LINW .	**020**	**060**	**06 .**	**XXX**	**/DBE**

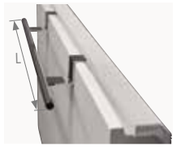
fill in colour code



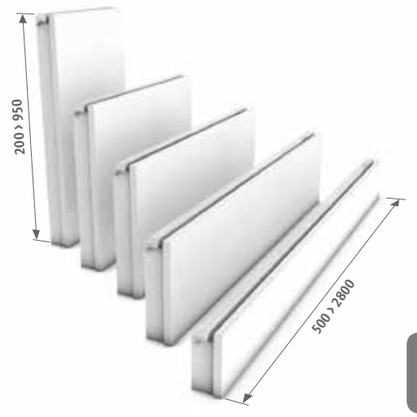
DBE should be selected according to the power in comfort mode, as stated in the output table. The transition between standby (inactive) and comfort is managed automatically depending on the measured temperature and settings. For output in boost mode: see www.jaga.co.uk

TOWEL RAILS

Chrome-plated alu.



Chrome-plated alu.	L
5501.001	560
5501.002	660



Also available as freestanding model for glazed façades. See page 66.

HEIGHT 200 · OUTPUT TABLES

LINW.020 LLL TT.XXX | **LINW.020 LLL TT.XXX/DBE**

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
500	**10**	284	136	**N/A**	N/A	N/A	**N/A**	N/A	N/A	N/A
	15	519	251	**N/A**	N/A	N/A	**N/A**	N/A	N/A	N/A
	20	697	337	**N/A**	N/A	N/A	**N/A**	N/A	N/A	N/A
600	**10**	341	164	**N/A**	N/A	N/A	**10**	491	295	123
	15	623	301	**N/A**	N/A	N/A	**15**	873	524	218
	20	836	404	**N/A**	N/A	N/A	**20**	1086	652	272
700	**10**	398	191	**N/A**	N/A	N/A	**10**	548	329	137
	15	727	351	**N/A**	N/A	N/A	**15**	977	586	244
	20	976	471	**N/A**	N/A	N/A	**20**	1226	736	307
800	**10**	454	218	**N/A**	N/A	N/A	**10**	604	362	151
	15	830	401	**N/A**	N/A	N/A	**15**	1080	648	270
	20	1115	538	**N/A**	N/A	N/A	**20**	1365	819	341
900	**10**	511	245	**N/A**	N/A	N/A	**10**	811	487	203
	15	934	451	**N/A**	N/A	N/A	**15**	1434	860	359
	20	1255	606	**N/A**	N/A	N/A	**20**	1755	1053	439
1000	**10**	568	273	**N/A**	N/A	N/A	**10**	868	521	217
	15	1038	502	**N/A**	N/A	N/A	**15**	1538	923	385
	20	1394	673	**N/A**	N/A	N/A	**20**	1894	1136	474
1100	**10**	625	300	**N/A**	N/A	N/A	**10**	925	555	231
	15	1142	552	**N/A**	N/A	N/A	**15**	1642	985	411
	20	1533	740	**N/A**	N/A	N/A	**20**	2033	1220	508
1200	**10**	682	327	**N/A**	N/A	N/A	**10**	982	589	246
	15	1246	602	**N/A**	N/A	N/A	**15**	1746	1048	437
	20	1673	808	**N/A**	N/A	N/A	**20**	2173	1304	543
1400	**10**	795	382	**N/A**	N/A	N/A	**10**	1095	657	274
	15	1453	702	**N/A**	N/A	N/A	**15**	1953	1172	488
	20	1952	943	**N/A**	N/A	N/A	**20**	2452	1471	613
1600	**10**	909	437	**N/A**	N/A	N/A	**10**	1509	905	377
	15	1661	803	**N/A**	N/A	N/A	**15**	2661	1597	665
	20	2230	1077	**N/A**	N/A	N/A	**20**	3230	1938	808
1800	**10**	1022	491	**N/A**	N/A	N/A	**10**	1622	973	406
	15	1868	903	**N/A**	N/A	N/A	**15**	2868	1721	717
	20	2509	1212	**N/A**	N/A	N/A	**20**	3509	2105	877
2000	**10**	1136	546	**N/A**	N/A	N/A	**10**	1736	1042	434
	15	2076	1003	**N/A**	N/A	N/A	**15**	3076	1846	769
	20	2788	1346	**N/A**	N/A	N/A	**20**	3788	2273	947
2200	**10**	1250	600	**N/A**	N/A	N/A	**10**	1850	1110	463
	15	2284	1104	**N/A**	N/A	N/A	**15**	3284	1970	821
	20	3067	1481	**N/A**	N/A	N/A	**20**	4067	2440	1017
2400	**10**	1363	655	**N/A**	N/A	N/A	**10**	2263	1358	566
	15	2491	1204	**N/A**	N/A	N/A	**15**	3991	2395	998
	20	3346	1616	**N/A**	N/A	N/A	**20**	4846	2908	1212
2600	**10**	1477	709	**N/A**	N/A	N/A	**10**	2377	1426	594
	15	2699	1304	**N/A**	N/A	N/A	**15**	4199	2519	1050
	20	3624	1750	**N/A**	N/A	N/A	**20**	5124	3074	1281
2800	**10**	1590	764	**N/A**	N/A	N/A	**10**	2490	1494	623
	15	2906	1404	**N/A**	N/A	N/A	**15**	4406	2644	1102
	20	3903	1885	**N/A**	N/A	N/A	**20**	5403	3242	1351

EN442 output at 20°C room temperature

HEIGHT 350 · OUTPUT TABLES

LINW.035 LLL TT.XXX

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
500	10	393	190	11	549	260
	15	659	323	16	813	385
	20	901	441	21	1039	488
600	10	471	228	11	659	313
	15	790	387	16	975	461
	20	1081	529	21	1247	585
700	10	550	266	11	769	365
	15	922	451	16	1138	538
	20	1261	617	21	1455	683
800	10	628	304	11	878	416
	15	1054	516	16	1300	615
	20	1441	705	21	1662	780
900	10	707	342	11	988	469
	15	1185	580	16	1463	692
	20	1621	793	21	1870	878
1000	10	785	380	11	1098	521
	15	1317	645	16	1625	769
	20	1801	881	21	2078	975
1100	10	864	419	11	1208	573
	15	1449	709	16	1788	846
	20	1981	969	21	2286	1073
1200	10	942	456	11	1318	625
	15	1580	774	16	1950	923
	20	2161	1058	21	2494	1170
1400	10	1099	532	11	1537	729
	15	1844	903	16	2275	1076
	20	2521	1234	21	2909	1365
1600	10	1256	608	11	1757	833
	15	2107	1032	16	2600	1230
	20	2882	1410	21	3325	1560
1800	10	1413	684	11	1976	937
	15	2371	1161	16	2925	1384
	20	3242	1587	21	3740	1755
2000	10	1570	760	11	2196	1042
	15	2634	1290	16	3250	1538
	20	3602	1763	21	4156	1950
2200	10	1727	837	11	2416	1146
	15	2897	1418	16	3575	1691
	20	3962	1939	21	4572	2146
2400	10	1884	913	11	2635	1250
	15	3161	1548	16	3900	1845
	20	4322	2115	21	4987	2340
2600	10	2041	989	11	2855	1354
	15	3424	1676	16	4225	1999
	20	4683	2292	21	5403	2536
2800	10	2198	1065	11	3074	1458
	15	3688	1806	16	4550	2153
	20	5043	2468	21	5818	2730

LINW.035 LLL TT.XXX/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	959	575	240
	16	1455	873	364
	21	1727	1036	432
700	11	1069	641	267
	16	1618	971	405
	21	1935	1161	484
800	11	1178	707	295
	16	1780	1068	445
	21	2142	1285	536
900	11	1588	953	397
	16	2423	1454	606
	21	2830	1698	708
1000	11	1698	1019	425
	16	2585	1551	646
	21	3038	1823	760
1100	11	1808	1085	452
	16	2748	1649	687
	21	3246	1948	812
1200	11	1918	1151	480
	16	2910	1746	728
	21	3454	2072	864
1400	11	2137	1282	534
	16	3235	1941	809
	21	3869	2321	967
1600	11	2957	1774	739
	16	4520	2712	1130
	21	5245	3147	1311
1800	11	3176	1906	794
	16	4845	2907	1211
	21	5660	3396	1415
2000	11	3396	2038	849
	16	5170	3102	1293
	21	6076	3646	1519
2200	11	3616	2170	904
	16	5495	3297	1374
	21	6492	3895	1623
2400	11	4435	2661	1109
	16	6780	4068	1695
	21	7867	4720	1967
2600	11	4655	2793	1164
	16	7105	4263	1776
	21	8283	4970	2071
2800	11	4874	2924	1219
	16	7430	4458	1858
	21	8698	5219	2175

EN442 output at 20°C room temperature

HEIGHT 500 · OUTPUT TABLES

LINW.050 LLL TT.XXX

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
500	10	482	236	11	655	311
	15	767	381	16	976	462
	20	1060	526	21	1282	600
600	10	578	282	11	785	373
	15	920	456	16	1171	555
	20	1272	631	21	1538	720
700	10	675	330	11	916	436
	15	1073	532	16	1366	647
	20	1484	736	21	1795	840
800	10	771	377	11	1047	498
	15	1226	608	16	1561	739
	20	1696	841	21	2051	960
900	10	868	424	11	1178	560
	15	1380	685	16	1756	832
	20	1908	946	21	2308	1080
1000	10	964	471	11	1309	623
	15	1533	761	16	1951	924
	20	2120	1051	21	2564	1200
1100	10	1060	518	11	1440	685
	15	1686	837	16	2146	1016
	20	2332	1156	21	2820	1320
1200	10	1157	565	11	1571	747
	15	1840	913	16	2341	1109
	20	2544	1262	21	3077	1440
1400	10	1350	660	11	1833	872
	15	2146	1065	16	2731	1293
	20	2968	1472	21	3590	1680
1600	10	1542	753	11	2094	996
	15	2453	1217	16	3122	1479
	20	3392	1682	21	4102	1920
1800	10	1735	848	11	2356	1120
	15	2759	1369	16	3512	1663
	20	3816	1892	21	4615	2160
2000	10	1928	942	11	2618	1245
	15	3066	1521	16	3902	1848
	20	4240	2103	21	5128	2400
2200	10	2121	1036	11	2880	1370
	15	3373	1674	16	4292	2033
	20	4664	2313	21	5641	2641
2400	10	2314	1131	11	3142	1494
	15	3679	1825	16	4682	2218
	20	5088	2523	21	6154	2881
2600	10	2506	1224	11	3403	1618
	15	3986	1978	16	5073	2403
	20	5512	2733	21	6666	3120
2800	10	2699	1319	11	3665	1743
	15	4292	2130	16	5463	2587
	20	5936	2944	21	7179	3360

LINW.050 LLL TT.XXX/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1085	651	271
	16	1651	991	413
	21	2018	1211	505
700	11	1216	730	304
	16	1846	1108	462
	21	2275	1365	569
800	11	1347	808	337
	16	2041	1225	510
	21	2531	1519	633
900	11	1778	1067	445
	16	2716	1630	679
	21	3268	1961	817
1000	11	1909	1145	477
	16	2911	1747	728
	21	3524	2114	881
1100	11	2040	1224	510
	16	3106	1864	777
	21	3780	2268	945
1200	11	2171	1303	543
	16	3301	1981	825
	21	4037	2422	1009
1400	11	2433	1460	608
	16	3691	2215	923
	21	4550	2730	1138
1600	11	3294	1976	824
	16	5042	3025	1261
	21	6022	3613	1506
1800	11	3556	2134	889
	16	5432	3259	1358
	21	6535	3921	1634
2000	11	3818	2291	955
	16	5822	3493	1456
	21	7048	4229	1762
2200	11	4080	2448	1020
	16	6212	3727	1553
	21	7561	4537	1890
2400	11	4942	2965	1236
	16	7562	4537	1891
	21	9034	5420	2259
2600	11	5203	3122	1301
	16	7953	4772	1988
	21	9546	5728	2387
2800	11	5465	3279	1366
	16	8343	5006	2086
	21	10059	6035	2515

EN442 output at 20°C room temperature

HEIGHT 650 · OUTPUT TABLES

LINW.065 LLL TT.XXX

L	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
500	10	561	277	11	742	354
	15	858	432	16	1114	528
	20	1196	601	21	1503	702
600	10	673	332	11	890	424
	15	1029	518	16	1336	634
	20	1435	721	21	1803	842
700	10	785	387	11	1038	495
	15	1201	604	16	1559	740
	20	1674	841	21	2104	983
800	10	897	442	11	1186	565
	15	1372	690	16	1782	845
	20	1913	961	21	2404	1123
900	10	1009	497	11	1335	637
	15	1544	777	16	2004	951
	20	2152	1081	21	2705	1264
1000	10	1121	553	11	1483	707
	15	1715	863	16	2227	1056
	20	2391	1201	21	3005	1404
1100	10	1233	608	11	1631	778
	15	1887	949	16	2450	1162
	20	2630	1321	21	3306	1544
1200	10	1345	663	11	1780	849
	15	2058	1035	16	2672	1267
	20	2869	1441	21	3606	1685
1400	10	1569	773	11	2076	990
	15	2401	1208	16	3118	1479
	20	3347	1681	21	4207	1965
1600	10	1794	884	11	2373	1131
	15	2744	1380	16	3563	1690
	20	3826	1922	21	4808	2246
1800	10	2018	995	11	2669	1273
	15	3087	1553	16	4009	1902
	20	4304	2162	21	5409	2527
2000	10	2242	1105	11	2966	1414
	15	3430	1725	16	4454	2113
	20	4782	2402	21	6010	2808
2200	10	2466	1215	11	3263	1556
	15	3773	1898	16	4899	2324
	20	5260	2642	21	6611	3088
2400	10	2690	1326	11	3559	1697
	15	4116	2071	16	5345	2535
	20	5738	2882	21	7212	3369
2600	10	2915	1437	11	3856	1838
	15	4459	2243	16	5790	2746
	20	6217	3123	21	7813	3650
2800	10	3139	1547	11	4152	1980
	15	4802	2416	16	6236	2958
	20	6695	3363	21	8414	3931

LINW.065 LLL TT.XXX/DBE

L	WITH DBE			
	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1190	714	298
	16	1816	1090	454
	21	2283	1370	571
700	11	1338	803	335
	16	2039	1223	510
	21	2584	1550	646
800	11	1486	892	372
	16	2262	1357	566
	21	2884	1730	721
900	11	1935	1161	484
	16	2964	1778	741
	21	3665	2199	916
1000	11	2083	1250	521
	16	3187	1912	797
	21	3965	2379	991
1100	11	2231	1339	558
	16	3410	2046	853
	21	4266	2560	1067
1200	11	2380	1428	595
	16	3632	2179	908
	21	4566	2740	1142
1400	11	2676	1606	669
	16	4078	2447	1020
	21	5167	3100	1292
1600	11	3573	2144	893
	16	5483	3290	1371
	21	6728	4037	1682
1800	11	3869	2321	967
	16	5929	3557	1482
	21	7329	4397	1832
2000	11	4166	2500	1042
	16	6374	3824	1594
	21	7930	4758	1983
2200	11	4463	2678	1116
	16	6819	4091	1705
	21	8531	5119	2133
2400	11	5359	3215	1340
	16	8225	4935	2056
	21	10092	6055	2523
2600	11	5656	3394	1414
	16	8670	5202	2168
	21	10693	6416	2673
2800	11	5952	3571	1488
	16	9116	5470	2279
	21	11294	6776	2824

EN442 output at 20°C room temperature

HEIGHT 950 · OUTPUT TABLES

LINW.095 LLL TT.XXX

L	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
500	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
600	10	838	420	11	1055	505
	15	1210	625	16	1608	765
	20	1706	880	21	2290	1065
700	10	977	490	11	1231	590
	15	1411	729	16	1876	892
	20	1991	1027	21	2671	1242
800	10	1117	560	11	1406	673
	15	1613	833	16	2144	1020
	20	2275	1173	21	3053	1420
900	10	1256	630	11	1582	758
	15	1814	937	16	2412	1147
	20	2560	1320	21	3434	1597
1000	10	1396	700	11	1758	842
	15	2016	1041	16	2680	1275
	20	2844	1467	21	3816	1774
1100	10	1536	771	11	1934	926
	15	2218	1146	16	2948	1402
	20	3128	1613	21	4198	1952
1200	10	1675	840	11	2110	1011
	15	2419	1250	16	3216	1529
	20	3413	1760	21	4579	2129
1400	10	1954	980	11	2461	1179
	15	2822	1458	16	3752	1784
	20	3982	2054	21	5342	2484

LINW.095 LLL TT.XXX/DBE

L	WITH DBE			
	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1355	813	339
	16	2088	1253	522
	21	2770	1662	693
700	11	1531	919	383
	16	2356	1414	589
	21	3151	1891	788
800	11	1706	1024	427
	16	2624	1574	656
	21	3533	2120	883
900	11	2182	1309	546
	16	3372	2023	843
	21	4394	2636	1099
1000	11	2358	1415	590
	16	3640	2184	910
	21	4776	2866	1194
1100	11	2534	1520	634
	16	3908	2345	977
	21	5158	3095	1290
1200	11	2710	1626	678
	16	4176	2506	1044
	21	5539	3323	1385
1400	11	3061	1837	765
	16	4712	2827	1178
	21	6302	3781	1576

EN442 output at 20°C room temperature

MINI WALL

STRIKINGLY DISCREET

- Extremely suited to spaces with large windows and for dwarf walls under window seats.
- Heights from 80mm
- Beautiful in combination with the free-standing Mini for glazed façades.
- Stable one-piece casing.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING MINI WALL





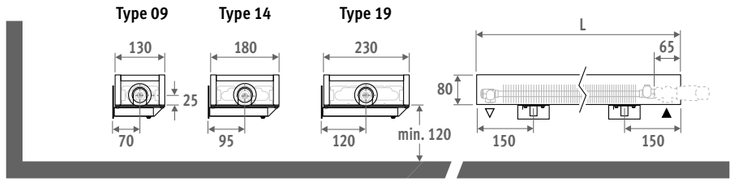


DREAM A FUTURE

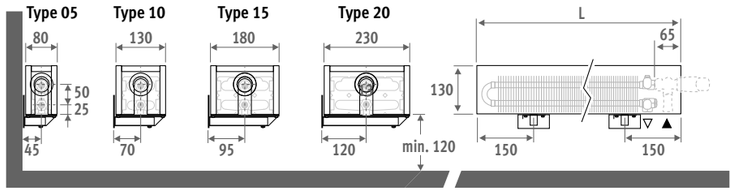
MINI WALL MOUNTED MODEL

DIMENSIONS *(in mm)*

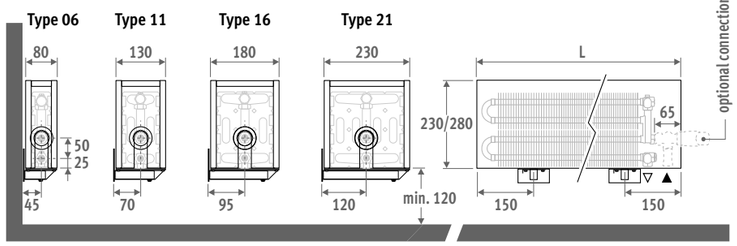
HEIGHT 008 (opposite end connections)



HEIGHT 013



HEIGHT 023 / 028



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

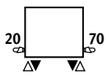
Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart.

CONNECTION

Standard connection:
Height 008: opposite end connection, flow left or right
Other heights: same end connection, left or right connection.



It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

VALVES

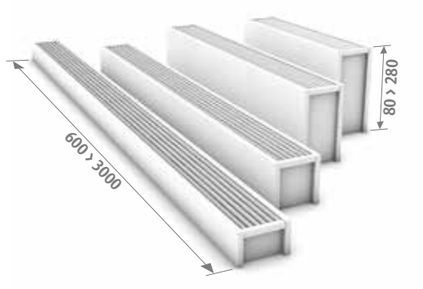
See page 96.

Also available as freestanding model for glazed façades. See page 56.

ORDERING CODE

code	*height*	*length*	*type*	*colour*
MINW .	**008**	**060**	**09 .**	**XXX**

fill in colour code



HEIGHT 80-280 · OUTPUT TABLES

MINW.HHH LLL TT.XXX

	HEIGHT 80			HEIGHT 130			HEIGHT 230			HEIGHT 280		
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45		75/65	55/45
600	**N/A**	N/A	N/A	**05**	197	96	**06**	323	157	**06**	342	167
	09	255	124	**10**	303	147	**11**	601	288	**11**	653	313
	14	416	202	**15**	508	246	**16**	785	374	**16**	860	409
	19	572	277	**20**	717	348	**21**	1021	484	**21**	1127	533
700	**N/A**	N/A	N/A	**05**	230	112	**06**	377	183	**06**	399	195
	09	298	144	**10**	354	171	**11**	701	336	**11**	762	365
	14	486	236	**15**	593	288	**16**	916	436	**16**	1003	477
	19	667	323	**20**	837	406	**21**	1191	564	**21**	1315	622
800	**N/A**	N/A	N/A	**05**	263	128	**06**	431	210	**06**	456	223
	09	340	165	**10**	404	196	**11**	802	384	**11**	871	417
	14	555	269	**15**	678	329	**16**	1046	498	**16**	1146	545
	19	762	369	**20**	956	464	**21**	1361	645	**21**	1503	710
900	**N/A**	N/A	N/A	**05**	296	144	**06**	485	236	**06**	513	251
	09	383	186	**10**	455	220	**11**	902	432	**11**	980	469
	14	625	303	**15**	762	370	**16**	1177	560	**16**	1290	613
	19	858	416	**20**	1076	522	**21**	1531	725	**21**	1691	799
1000	**N/A**	N/A	N/A	**05**	329	160	**06**	539	262	**06**	570	278
	09	425	206	**10**	505	245	**11**	1002	480	**11**	1089	522
	14	694	336	**15**	847	411	**16**	1308	623	**16**	1433	681
	19	953	462	**20**	1195	580	**21**	1701	806	**21**	1879	888
1100	**N/A**	N/A	N/A	**05**	362	176	**06**	593	288	**06**	627	306
	09	468	227	**10**	556	269	**11**	1102	528	**11**	1198	574
	14	763	370	**15**	932	452	**16**	1439	685	**16**	1576	749
	19	1048	508	**20**	1315	638	**21**	1871	886	**21**	2067	977
1200	**N/A**	N/A	N/A	**05**	395	192	**06**	647	315	**06**	684	334
	09	510	247	**10**	606	294	**11**	1202	576	**11**	1307	626
	14	833	404	**15**	1016	493	**16**	1570	747	**16**	1720	818
	19	1144	554	**20**	1434	696	**21**	2041	967	**21**	2255	1066
1400	**N/A**	N/A	N/A	**05**	461	224	**06**	755	367	**06**	798	390
	09	595	288	**10**	707	342	**11**	1403	672	**11**	1525	730
	14	972	471	**15**	1186	575	**16**	1831	872	**16**	2006	954
	19	1334	647	**20**	1673	812	**21**	2381	1128	**21**	2631	1244
1600	**N/A**	N/A	N/A	**05**	526	256	**06**	862	419	**06**	912	445
	09	680	330	**10**	808	391	**11**	1603	768	**11**	1742	834
	14	1110	538	**15**	1355	657	**16**	2093	996	**16**	2293	1090
	19	1525	739	**20**	1912	928	**21**	2722	1289	**21**	3006	1421
1800	**N/A**	N/A	N/A	**05**	592	288	**06**	970	472	**06**	1026	501
	09	765	371	**10**	909	440	**11**	1804	864	**11**	1960	939
	14	1249	605	**15**	1525	740	**16**	2354	1121	**16**	2579	1226
	19	1715	831	**20**	2151	1044	**21**	3062	1450	**21**	3382	1599
2000	**N/A**	N/A	N/A	**05**	658	320	**06**	1078	524	**06**	1140	557
	09	850	412	**10**	1010	489	**11**	2004	960	**11**	2178	1043
	14	1388	673	**15**	1694	822	**16**	2616	1245	**16**	2866	1363
	19	1906	924	**20**	2390	1159	**21**	3402	1611	**21**	3758	1776
2200	**N/A**	N/A	N/A	**05**	724	352	**06**	1186	577	**06**	1254	612
	09	935	453	**10**	1111	538	**11**	2204	1056	**11**	2396	1148
	14	1527	740	**15**	1863	904	**16**	2878	1370	**16**	3153	1499
	19	2097	1016	**20**	2629	1275	**21**	3742	1772	**21**	4134	1954
2400	**N/A**	N/A	N/A	**05**	790	384	**06**	1294	629	**06**	1368	668
	09	1020	494	**10**	1212	587	**11**	2405	1152	**11**	2614	1252
	14	1666	807	**15**	2033	986	**16**	3139	1494	**16**	3439	1635
	19	2287	1108	**20**	2868	1391	**21**	4082	1933	**21**	4510	2132
2600	**N/A**	N/A	N/A	**05**	855	415	**06**	1401	681	**06**	1482	724
	09	1105	536	**10**	1313	636	**11**	2605	1248	**11**	2831	1356
	14	1804	874	**15**	2202	1068	**16**	3401	1619	**16**	3726	1772
	19	2478	1201	**20**	3107	1507	**21**	4423	2095	**21**	4885	2309

EN442 output at 20°C room temperature

Mini wall mounted model is also available in lengths 2800 and 3000 mm, see: www.jaga.co.uk

KNOCKONWOOD

STYLISH AND POWERFUL

- Completely pre-assembled casing with curved wooden shell finished in high-grade veneer.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- DBE model for super-low water temperatures from 28ºC.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature

FSC www.fsc.org FSC® C005117
The mark of responsible forestry

Certification only for oak natural, beech natural, maple natural, oak bleached, beech bleached, oak wenge-colour

design award winner

GUARANTEE 30 YEAR HEAT EXCHANGER

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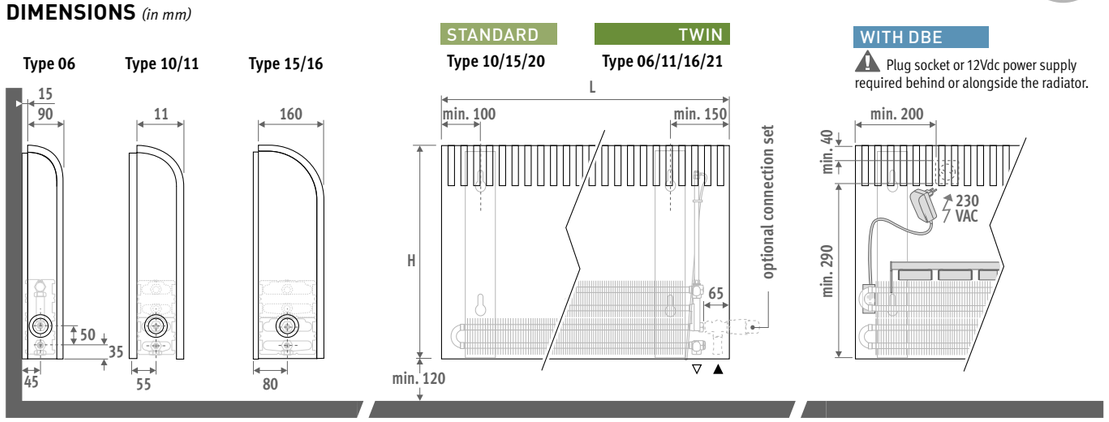
BUILDING BRIDGES

PRESENTING KNOCKONWOOD



KNOCKONWOOD

DIMENSIONS *(in mm)*



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin matt, gloss degree 40%. High UV resistance.

Category 1


700 Oak natural


720 Beech natural

760 Maple natural


740 Zebrano natural*

Category 2


701 Oak bleached


721 Beech bleached


710 Mahogany*


702 Oak wenge-colour

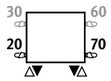

780 Walnut*

** no FSC certification*

CONNECTION

Standard connection:
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:
add to the code of the radiator /30 (left) or /60 (right)
Ex. KNOW.030 060 06.xxx/**60**



Optional remote controlled valve:
add to the code of the radiator /00.
Ex. KNOW.030 060 06.xxx/**00**

VALVES

See page 96.

ORDERING CODE

code	*height*	*length*	*type*	*colour*
KNOW .	**030**	**060**	**10 .**	**XXX**

fill in type of wood

ORDERING CODE WITH DBE

code	*height*	*length*	*type*	*colour*	*Option*
KNOW .	**030**	**060**	**06 .**	**XXX**	**/DBE**

fill in type of wood

DBE should be selected according to the power in comfort mode, as stated in the output table. The transition between standby (inactive) and comfort is managed automatically depending on the measured temperature and settings. For output in boost mode: see www.jaga.co.uk





HEIGHT 300 · OUTPUT TABLES

KNOW.HHH LLL TT.XXX

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
600	N/A	N/A	N/A	06	416	198
	10	452	215	11	515	237
	15	689	330	16	752	350
800	N/A	N/A	N/A	06	554	263
	10	603	287	11	687	317
	15	919	440	16	1002	467
1000	N/A	N/A	N/A	06	693	329
	10	754	359	11	859	396
	15	1149	550	16	1253	584
1200	N/A	N/A	N/A	06	832	395
	10	905	431	11	1031	475
	15	1379	660	16	1504	701
1400	N/A	N/A	N/A	06	970	461
	10	1056	503	11	1203	555
	15	1609	770	16	1754	817
1800	N/A	N/A	N/A	06	1247	592
	10	1357	646	11	1546	713
	15	2068	990	16	2255	1051
2200	N/A	N/A	N/A	06	1525	724
	10	1659	790	11	1890	871
	15	2528	1210	16	2757	1285

KNOW.HHH LLL TT.XXX/DBE

WITH DBE			
Type	Watts	Watts	Watts
	75/65	55/45	35/30
06	551	331	138
11	815	489	204
16	1232	739	308
06	689	413	172
11	987	592	247
16	1482	889	371
06	963	578	241
11	1459	875	365
16	2213	1328	553
06	1102	661	276
11	1631	979	408
16	2464	1478	616
06	1240	744	310
11	1803	1082	451
16	2714	1628	679
06	1787	1072	447
11	2746	1648	687
16	4175	2505	1044
06	2065	1239	516
11	3090	1854	773
16	4677	2806	1169

EN442 output at 20°C room temperature

EN442 output at 20°C room temperature

HEIGHT 550 ▪ OUTPUT TABLES

KNOW.HHH LLL TT.XXX

KNOW.HHH LLL TT.XXX/DBE

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
600	N/A	N/A	N/A	06	554	265	06	689	413	172
	10	660	322	11	718	336	11	1018	611	255
	15	1001	492	16	1063	499	16	1543	926	386
800	N/A	N/A	N/A	06	739	354	06	874	524	219
	10	880	429	11	958	448	11	1258	755	315
	15	1335	657	16	1418	666	16	1898	1139	475
1000	N/A	N/A	N/A	06	924	443	06	1194	716	299
	10	1100	536	11	1197	560	11	1797	1078	449
	15	1669	821	16	1772	832	16	2732	1639	683
1200	N/A	N/A	N/A	06	1109	531	06	1379	827	345
	10	1320	643	11	1436	672	11	2036	1222	509
	15	2003	985	16	2126	998	16	3086	1852	772
1400	N/A	N/A	N/A	06	1294	620	06	1564	938	391
	10	1540	751	11	1676	784	11	2276	1366	569
	15	2337	1150	16	2481	1165	16	3441	2065	860
1800	N/A	N/A	N/A	06	1663	797	06	2203	1322	551
	10	1980	965	11	2155	1008	11	3355	2013	839
	15	3004	1478	16	3190	1498	16	5110	3066	1278
2200	N/A	N/A	N/A	06	2033	974	06	2573	1544	643
	10	2420	1179	11	2633	1232	11	3833	2300	958
	15	3672	1806	16	3898	1830	16	5818	3491	1455

EN442 output at 20°C room temperature

HEIGHT 800 ▪ OUTPUT TABLES

KNOW.HHH LLL TT.XXX

KNOW.HHH LLL TT.XXX/DBE

	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
600	N/A	N/A	N/A	06	645	312	06	780	468	195
	10	778	388	11	845	401	11	1145	687	286
	15	1165	588	16	1288	609	16	1768	1061	442
800	N/A	N/A	N/A	06	860	416	06	995	597	249
	10	1037	517	11	1127	535	11	1427	856	357
	15	1553	784	16	1718	813	16	2198	1319	550
1000	N/A	N/A	N/A	06	1075	520	06	1345	807	336
	10	1296	647	11	1409	669	11	2009	1205	502
	15	1941	980	16	2147	1016	16	3107	1864	777
1200	N/A	N/A	N/A	06	1290	624	06	1560	936	390
	10	1555	776	11	1691	803	11	2291	1375	573
	15	2329	1176	16	2576	1219	16	3536	2122	884

EN442 output at 20°C room temperature



PLAY

PLAYFUL WARMTH, COLOURFUL COMFORT

- Completely pre-assembled and mounted casing, consisting of painted MDF panels with aluminium spacer rings.
- Standard pencil-proof grille, to prevent small objects or waste falling into the casing.
- Optional protective base grille.
- Integrated valve with thermostat in the front panel.
- Connections can be completely concealed within the casing.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- DBE model for super-low water temperatures from 28°C.
- Safe surface temperature.

HENRY VAN DE VELDE AWARD 2009 Public

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING PLAY

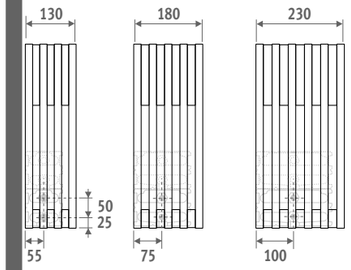
RESPECT NATURE

PLAY

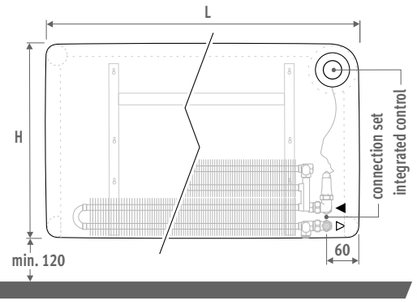
EN 442 EURONORM 55/45 DBE 35/30 GUARANTEE 30 YEAR HEAT EXCHANGER

DIMENSIONS *(in mm)*

Type 10/11 Type 15/16 Type 20/21

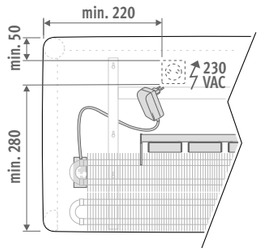


STANDARD Type 10/15/20 TWIN Type 06/11/16/21



WITH DBE

⚠ Plug socket or 12Vdc power supply required behind or alongside the radiator.



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Scratch resistant polyurethane finish with a soft structured matt surface. High UV resistance.

Category 1



WHI Play White

Category 2



BLA Play Black



PIA Play Piano



BOY Play4Boy



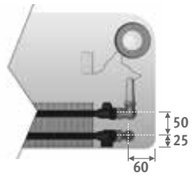
GIR Play4Girl

ORDERING CODE

Connection to the wall within the casing

code	height	length	type	colour	conn.
PLAW.	035	060	10 .	XXX	/WR /TIB /...

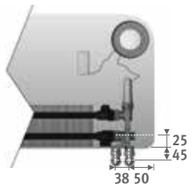
Enter colour code
To the wall, right **/WR**
To the wall, left **/WL**
Always 2-Pipe **/TIB**
Fill in sleeve coupling code: see p. 151



Connection to the wall via bottom of the casing

code	height	length	type	colour	conn.
PLAW.	035	060	10 .	XXX	/WR /TPB /...

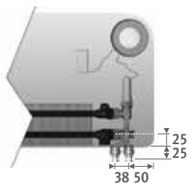
Enter colour code
To the wall, right **/WR**
To the wall, left **/WL**
2-pipe **/TPB**
Fill in sleeve coupling code: see p. 151



Connection to the floor

code	height	length	type	colour	conn.
PLAW.	035	060	10 .	XXX	/FR /TPB /...

Enter colour code
To the floor, right **/FR**
To the floor, left **/FL**
2-pipe **/TPB**
Fill in sleeve coupling code: see p. 151



ORDERING CODE WITH DBE

	Option
PLAW. 035 080 10. XXX /XX /XXX/...	/DBE

DBE should be selected according to the power in comfort mode, as stated in the output table. The transition between standby (inactive) and comfort is managed automatically depending on the measured temperature and settings. For output in boost mode: see www.jaga.co.uk



CREATE YOUR OWN COLOURS OR CREATE YOUR OWN PRINT

Design your own colour combination or print on the front panel. For more info

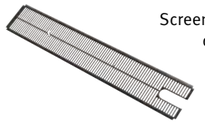
Phone: 011531 631 533

Email: jaga@jaga.co.uk

Website: www.jaga.co.uk



BASE GRILLE



Screens the bottom of the casing. Colour black (RAL 9005)

	code	length	type	model
ORDERING CODE	5641. 000	060	10	/PLA

VALVES

See page 96.

HEIGHT 350 · OUTPUT TABLES

PLAW.HHH LLL TT.XXX/XX/XXX/...

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
600	10	529	262	11	583	279
	15	805	400	16	870	413
	20	1104	551	21	1217	573
800	10	705	349	11	777	372
	15	1074	533	16	1160	551
	20	1472	735	21	1622	763
1000	10	881	436	11	971	465
	15	1342	667	16	1450	688
	20	1840	919	21	2028	954
1200	10	1057	523	11	1165	558
	15	1610	800	16	1740	826
	20	2208	1102	21	2434	1145

PLAW.HHH LLL TT.XXX/XX/XXX/.../DBE

WITH DBE			
Type	Watts	Watts	Watts
	75/65	55/45	35/30
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
11	1077	646	269
16	1640	984	410
21	2102	1261	526
11	1271	763	318
16	1930	1158	483
21	2508	1505	627
11	1765	1059	441
16	2700	1620	675
21	3394	2036	849

EN442 output at 20°C room temperature

HEIGHT 500 · OUTPUT TABLES

PLAW.HHH LLL TT.XXX/XX/XXX/...

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
600	10	591	290	11	685	327
	15	925	456	16	1040	493
	20	1284	637	21	1461	689
800	10	788	386	11	913	436
	15	1234	609	16	1386	657
	20	1712	849	21	1948	919
1000	10	985	483	11	1141	544
	15	1542	760	16	1733	822
	20	2140	1062	21	2435	1149
1200	10	1182	579	11	1369	653
	15	1850	912	16	2080	987
	20	2568	1274	21	2922	1378

PLAW.HHH LLL TT.XXX/XX/XXX/.../DBE

WITH DBE			
Type	Watts	Watts	Watts
	75/65	55/45	35/30
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
11	1213	728	303
16	1866	1120	467
21	2428	1457	607
11	1441	865	360
16	2213	1328	553
21	2915	1749	729
11	1969	1181	492
16	3040	1824	760
21	3882	2329	971

EN442 output at 20°C room temperature

HEIGHT 650 · OUTPUT TABLES

PLAW.HHH LLL TT.XXX/XX/XXX/...

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
600	10	653	317	11	778	369
	15	1040	509	16	1187	562
	20	1454	717	21	1663	786
800	10	870	423	11	1037	492
	15	1386	679	16	1582	750
	20	1938	956	21	2218	1049
1000	10	1088	529	11	1296	615
	15	1733	849	16	1978	937
	20	2423	1195	21	2772	1311
1200	10	1306	635	11	1555	738
	15	2080	1018	16	2374	1125
	20	2908	1434	21	3326	1573

PLAW.HHH LLL TT.XXX/XX/XXX/.../DBE

WITH DBE			
Type	Watts	Watts	Watts
	75/65	55/45	35/30
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
11	1337	802	334
16	2062	1237	516
21	2698	1619	675
11	1596	958	399
16	2458	1475	615
21	3252	1951	813
11	2155	1293	539
16	3334	2000	834
21	4286	2572	1072

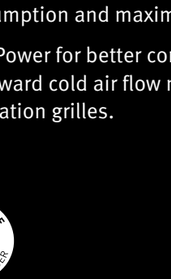
EN442 output at 20°C room temperature

INSTALLATION IN A WALL RECESS

THE COMFORT SOLUTION FOR MINIMALIST ARCHITECTURE

- The perfect built-in solution without sacrificing heating capacity.
- Space-saving.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- DBE model for super-low water temperature from 28°C.
- Safe surface temperature.

GUARANTEE 30 YEAR HEAT EXCHANGER



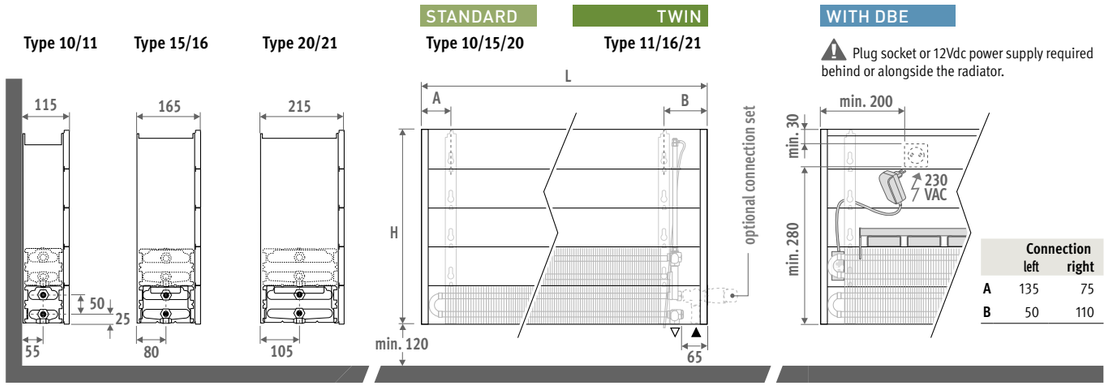
AWAKE THE ARTIST

jaga

PRESENTING INSTALLATION IN A WALL RECESS

INSTALLATION IN A WALL RECESS

DIMENSIONS *(in mm)*



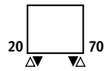
	Connection left	right
A	135	75
B	50	110

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

CONNECTION

Standard connection
bottom end left or right





VALVES

See page 96.

ORDERING CODE

code	height	length	type
BIWW .	020	040	10

ORDERING CODE WITH DBE

code	height	length	type	Option
BIWW .	030	060	11	/DBE

DBE should be selected according to the power in comfort mode, as stated in the output table. The transition between standby (inactive) and comfort is managed automatically depending on the measured temperature and settings. For output in boost mode: see www.jaga.co.uk

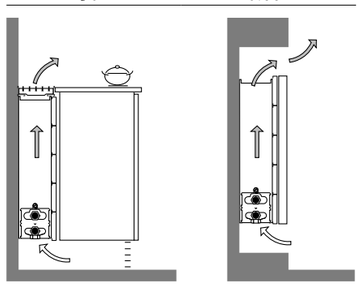


GUIDELINES FOR INSTALLATION

Cupboards should be built in a way that permits access to the heat exchanger for regular maintenance.
In order to prevent dirt from falling into the heat exhanger, fit the grille a little higher than the cupboard edge.

The outputs indicated are based on a free air flow of 75% of the depth. If the free opening is smaller, a correction factor must be applied to calculate the heat output.

% Air flow	Correction factor
75	1.00
60	0.96
50	0.92
40	0.84
30	0.66



HEIGHT 200 · OUTPUT TABLES

	BIWW.020 LLL TT				BIWW.020 LLL TT/DBE			
	STANDARD			TWIN			WITH DBE			
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45	35/30
400	10	262	127	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	15	436	212	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	20	613	299	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500	10	328	159	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	15	545	265	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	20	766	373	N/A	N/A	N/A	N/A	N/A	N/A	N/A
600	10	393	191	N/A	N/A	N/A	10	543	326	136
	15	654	319	N/A	N/A	N/A	15	904	542	226
	20	919	448	N/A	N/A	N/A	20	1169	701	292
700	10	459	223	N/A	N/A	N/A	10	609	365	152
	15	763	372	N/A	N/A	N/A	15	1013	608	253
	20	1072	522	N/A	N/A	N/A	20	1322	793	331
800	10	524	255	N/A	N/A	N/A	10	674	404	169
	15	872	425	N/A	N/A	N/A	15	1122	673	281
	20	1226	597	N/A	N/A	N/A	20	1476	886	369
900	10	590	287	N/A	N/A	N/A	10	890	534	223
	15	981	478	N/A	N/A	N/A	15	1481	889	370
	20	1379	672	N/A	N/A	N/A	20	1879	1127	470
1000	10	655	318	N/A	N/A	N/A	10	955	573	239
	15	1090	531	N/A	N/A	N/A	15	1590	954	398
	20	1532	746	N/A	N/A	N/A	20	2032	1219	508
1100	10	721	350	N/A	N/A	N/A	10	1021	613	255
	15	1199	584	N/A	N/A	N/A	15	1699	1019	425
	20	1685	821	N/A	N/A	N/A	20	2185	1311	546
1200	10	786	382	N/A	N/A	N/A	10	1086	652	272
	15	1308	637	N/A	N/A	N/A	15	1808	1085	452
	20	1838	895	N/A	N/A	N/A	20	2338	1403	585
1400	10	917	446	N/A	N/A	N/A	10	1217	730	304
	15	1526	743	N/A	N/A	N/A	15	2026	1216	507
	20	2145	1045	N/A	N/A	N/A	20	2645	1587	661
1600	10	1048	509	N/A	N/A	N/A	10	1648	989	412
	15	1744	850	N/A	N/A	N/A	15	2744	1646	686
	20	2451	1194	N/A	N/A	N/A	20	3451	2071	863
1800	10	1179	573	N/A	N/A	N/A	10	1779	1067	445
	15	1962	956	N/A	N/A	N/A	15	2962	1777	741
	20	2758	1343	N/A	N/A	N/A	20	3758	2255	940
2000	10	1310	637	N/A	N/A	N/A	10	1910	1146	478
	15	2180	1062	N/A	N/A	N/A	15	3180	1908	795
	20	3064	1493	N/A	N/A	N/A	20	4064	2438	1016
2200	10	1441	700	N/A	N/A	N/A	10	2041	1225	510
	15	2398	1168	N/A	N/A	N/A	15	3398	2039	850
	20	3370	1642	N/A	N/A	N/A	20	4370	2622	1093
2400	10	1572	764	N/A	N/A	N/A	10	2472	1483	618
	15	2616	1274	N/A	N/A	N/A	15	4116	2470	1029
	20	3677	1791	N/A	N/A	N/A	20	5177	3106	1294
2600	10	1703	827	N/A	N/A	N/A	10	2603	1562	651
	15	2834	1381	N/A	N/A	N/A	15	4334	2600	1084
	20	3983	1940	N/A	N/A	N/A	20	5483	3290	1371
2800	10	1834	891	N/A	N/A	N/A	10	2734	1640	684
	15	3052	1487	N/A	N/A	N/A	15	4552	2731	1138
	20	4290	2090	N/A	N/A	N/A	20	5790	3474	1448
3000	10	1965	955	N/A	N/A	N/A	10	2865	1719	716
	15	3270	1593	N/A	N/A	N/A	15	4770	2862	1193
	20	4596	2239	N/A	N/A	N/A	20	6096	3658	1524

EN442 output at 20°C room temperature

Installation in a wall recess is also available in heights 700 and 900 mm, see: www.jaga.co.uk

HEIGHT 300 · OUTPUT TABLES

BIWW.030 LLL TT

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
400	10	330	161	11	448	215
	15	544	267	16	592	281
	20	762	373	21	779	368
500	10	413	202	11	561	269
	15	680	333	16	740	352
	20	953	467	21	974	460
600	10	496	242	11	673	323
	15	815	399	16	888	422
	20	1144	561	21	1169	552
700	10	578	282	11	785	376
	15	951	466	16	1036	492
	20	1334	654	21	1364	644
800	10	661	323	11	897	430
	15	1087	533	16	1184	563
	20	1525	747	21	1558	736
900	10	743	363	11	1009	484
	15	1223	599	16	1332	633
	20	1715	841	21	1753	828
1000	10	826	403	11	1121	537
	15	1359	666	16	1480	703
	20	1906	934	21	1948	920
1100	10	909	444	11	1233	591
	15	1495	733	16	1628	774
	20	2097	1028	21	2143	1012
1200	10	991	484	11	1345	645
	15	1631	799	16	1776	844
	20	2287	1121	21	2338	1105
1400	10	1156	565	11	1569	752
	15	1903	933	16	2072	985
	20	2668	1308	21	2727	1288
1600	10	1322	646	11	1794	860
	15	2174	1066	16	2368	1126
	20	3050	1495	21	3117	1473
1800	10	1487	726	11	2018	967
	15	2446	1199	16	2664	1266
	20	3431	1682	21	3506	1656
2000	10	1652	807	11	2242	1074
	15	2718	1332	16	2960	1407
	20	3812	1868	21	3896	1841
2200	10	1817	887	11	2466	1182
	15	2990	1465	16	3256	1548
	20	4193	2055	21	4286	2025
2400	10	1982	968	11	2690	1289
	15	3262	1599	16	3552	1688
	20	4574	2242	21	4675	2209
2600	10	2148	1049	11	2915	1397
	15	3533	1732	16	3848	1829
	20	4956	2429	21	5065	2393
2800	10	2313	1130	11	3139	1504
	15	3805	1865	16	4144	1970
	20	5337	2616	21	5454	2577
3000	10	2478	1210	11	3363	1612
	15	4077	1998	16	4440	2110
	20	5718	2802	21	5844	2761

BIWW.030 LLL TT/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
400	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	973	584	243
	16	1368	821	342
	21	1649	989	412
700	11	1085	651	271
	16	1516	910	379
	21	1844	1106	461
800	11	1197	718	299
	16	1664	998	416
	21	2038	1223	510
900	11	1609	965	402
	16	2292	1375	573
	21	2713	1628	678
1000	11	1721	1033	430
	16	2440	1464	610
	21	2908	1745	727
1100	11	1833	1100	458
	16	2588	1553	647
	21	3103	1862	776
1200	11	1945	1167	486
	16	2736	1642	684
	21	3298	1979	825
1400	11	2169	1301	542
	16	3032	1819	758
	21	3687	2212	922
1600	11	2994	1796	749
	16	4288	2573	1072
	21	5037	3022	1259
1800	11	3218	1931	805
	16	4584	2750	1146
	21	5426	3256	1357
2000	11	3442	2065	861
	16	4880	2928	1220
	21	5816	3490	1454
2200	11	3666	2200	917
	16	5176	3106	1294
	21	6206	3724	1552
2400	11	4490	2694	1123
	16	6432	3859	1608
	21	7555	4533	1889
2600	11	4715	2829	1179
	16	6728	4037	1682
	21	7945	4767	1986
2800	11	4939	2963	1235
	16	7024	4214	1756
	21	8334	5000	2084
3000	11	5163	3098	1291
	16	7320	4392	1830
	21	8724	5234	2181

EN442 output at 20°C room temperature

Installation in a wall recess is also available in heights 700 and 900 mm, see: www.jaga.co.uk

HEIGHT 400 · OUTPUT TABLES

BIWW.040 LLL TT

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
400	10	385	189	11	506	243
	15	627	309	16	680	323
	20	878	433	21	910	428
500	10	482	236	11	632	303
	15	784	386	16	850	403
	20	1098	541	21	1137	535
600	10	578	284	11	758	363
	15	941	464	16	1020	484
	20	1318	650	21	1364	641
700	10	674	331	11	885	424
	15	1098	541	16	1190	564
	20	1537	758	21	1592	749
800	10	770	378	11	1011	485
	15	1254	618	16	1360	645
	20	1757	866	21	1819	855
900	10	867	425	11	1138	546
	15	1411	695	16	1530	726
	20	1976	974	21	2047	963
1000	10	963	472	11	1264	606
	15	1568	773	16	1700	806
	20	2196	1083	21	2274	1069
1100	10	1059	520	11	1390	666
	15	1725	850	16	1870	887
	20	2416	1191	21	2501	1176
1200	10	1156	567	11	1517	727
	15	1882	928	16	2040	968
	20	2635	1299	21	2729	1283
1400	10	1348	661	11	1770	849
	15	2195	1082	16	2380	1129
	20	3074	1516	21	3184	1497
1600	10	1541	756	11	2022	969
	15	2509	1237	16	2720	1290
	20	3514	1733	21	3638	1711
1800	10	1733	850	11	2275	1091
	15	2822	1391	16	3060	1452
	20	3953	1949	21	4093	1925
2000	10	1926	945	11	2528	1212
	15	3136	1546	16	3400	1613
	20	4392	2166	21	4548	2139
2200	10	2119	1040	11	2781	1333
	15	3450	1700	16	3740	1774
	20	4831	2382	21	5003	2353
2400	10	2311	1134	11	3034	1455
	15	3763	1855	16	4080	1935
	20	5270	2599	21	5458	2567
2600	10	2504	1229	11	3286	1576
	15	4077	2009	16	4420	2097
	20	5710	2816	21	5912	2780
2800	10	2696	1323	11	3539	1697
	15	4390	2164	16	4760	2258
	20	6149	3032	21	6367	2994
3000	10	2889	1417	11	3792	1818
	15	4704	2318	16	5100	2419
	20	6588	3249	21	6822	3208

BIWW.040 LLL TT/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
400	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1058	635	265
	16	1500	900	375
	21	1844	1106	461
700	11	1185	711	296
	16	1670	1002	418
	21	2072	1243	518
800	11	1311	787	328
	16	1840	1104	460
	21	2299	1379	575
900	11	1738	1043	435
	16	2490	1494	623
	21	3007	1804	752
1000	11	1864	1118	466
	16	2660	1596	665
	21	3234	1940	809
1100	11	1990	1194	498
	16	2830	1698	708
	21	3461	2077	865
1200	11	2117	1270	529
	16	3000	1800	750
	21	3689	2213	922
1400	11	2370	1422	593
	16	3340	2004	835
	21	4144	2486	1036
1600	11	3222	1933	806
	16	4640	2784	1160
	21	5558	3335	1390
1800	11	3475	2085	869
	16	4980	2988	1245
	21	6013	3608	1503
2000	11	3728	2237	932
	16	5320	3192	1330
	21	6468	3881	1617
2200	11	3981	2389	995
	16	5660	3396	1415
	21	6923	4154	1731
2400	11	4834	2900	1209
	16	6960	4176	1740
	21	8338	5003	2085
2600	11	5086	3052	1272
	16	7300	4380	1825
	21	8792	5275	2198
2800	11	5339	3203	1335
	16	7640	4584	1910
	21	9247	5548	2312
3000	11	5592	3355	1398
	16	7980	4788	1995
	21	9702	5821	2426

EN442 output at 20°C room temperature

Installation in a wall recess is also available in heights 700 and 900 mm, see: www.jaga.co.uk

HEIGHT 500 · OUTPUT TABLES

BIWW.050 LLL TT

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
400	10	430	212	11	554	266
	15	694	344	16	759	359
	20	970	481	21	1033	484
500	10	538	265	11	693	332
	15	867	430	16	949	449
	20	1213	602	21	1291	605
600	10	646	318	11	832	399
	15	1040	516	16	1139	539
	20	1455	722	21	1549	725
700	10	753	371	11	970	465
	15	1214	602	16	1329	629
	20	1698	842	21	1807	846
800	10	861	424	11	1109	532
	15	1387	688	16	1518	719
	20	1940	962	21	2066	968
900	10	968	477	11	1247	598
	15	1561	774	16	1708	809
	20	2183	1083	21	2324	1088
1000	10	1076	530	11	1386	665
	15	1734	860	16	1898	898
	20	2425	1203	21	2582	1209
1100	10	1184	584	11	1525	732
	15	1907	946	16	2088	988
	20	2668	1323	21	2840	1330
1200	10	1291	636	11	1663	798
	15	2081	1032	16	2278	1078
	20	2910	1443	21	3098	1451
1400	10	1506	742	11	1940	931
	15	2428	1204	16	2657	1258
	20	3395	1684	21	3615	1693
1600	10	1722	849	11	2218	1064
	15	2774	1376	16	3037	1438
	20	3880	1924	21	4131	1935
1800	10	1937	955	11	2495	1197
	15	3121	1548	16	3416	1617
	20	4365	2165	21	4648	2177
2000	10	2152	1061	11	2772	1330
	15	3468	1720	16	3796	1797
	20	4850	2405	21	5164	2418
2200	10	2367	1167	11	3049	1463
	15	3815	1892	16	4176	1977
	20	5335	2646	21	5680	2660
2400	10	2582	1273	11	3326	1596
	15	4162	2064	16	4555	2156
	20	5820	2886	21	6197	2902
2600	10	2798	1379	11	3604	1729
	15	4508	2236	16	4935	2336
	20	6305	3127	21	6713	3144
2800	10	3013	1485	11	3881	1862
	15	4855	2408	16	5314	2516
	20	6790	3367	21	7230	3386
3000	10	3228	1591	11	4158	1995
	15	5202	2580	16	5694	2695
	20	7275	3608	21	7746	3628

BIWW.050 LLL TT/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
400	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1132	679	283
	16	1619	971	405
	21	2029	1217	507
700	11	1270	762	318
	16	1809	1085	452
	21	2287	1372	572
800	11	1409	845	352
	16	1998	1199	500
	21	2546	1528	637
900	11	1847	1108	462
	16	2668	1601	667
	21	3284	1970	821
1000	11	1986	1192	497
	16	2858	1715	715
	21	3542	2125	886
1100	11	2125	1275	531
	16	3048	1829	762
	21	3800	2280	950
1200	11	2263	1358	566
	16	3238	1943	810
	21	4058	2435	1015
1400	11	2540	1524	635
	16	3617	2170	904
	21	4575	2745	1144
1600	11	3418	2051	855
	16	4957	2974	1239
	21	6051	3631	1513
1800	11	3695	2217	924
	16	5336	3202	1334
	21	6568	3941	1642
2000	11	3972	2383	993
	16	5716	3430	1429
	21	7084	4250	1771
2200	11	4249	2549	1062
	16	6096	3658	1524
	21	7600	4560	1900
2400	11	5126	3076	1282
	16	7435	4461	1859
	21	9077	5446	2269
2600	11	5404	3242	1351
	16	7815	4689	1954
	21	9593	5756	2398
2800	11	5681	3409	1420
	16	8194	4916	2049
	21	10110	6066	2528
3000	11	5958	3575	1490
	16	8574	5144	2144
	21	10626	6376	2657

Installation in a wall recess is also available in heights 700 and 900 mm, see: www.jaga.co.uk

EN442 output at 20°C room temperature

HEIGHT 600 · OUTPUT TABLES

BIWW.060 LLL TT

	STANDARD			TWIN		
L	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45
400	10	468	232	11	598	287
	15	746	372	16	834	394
	20	1043	520	21	1153	538
500	10	585	290	11	747	359
	15	933	466	16	1042	492
	20	1304	651	21	1441	672
600	10	702	348	11	896	430
	15	1120	559	16	1250	591
	20	1565	781	21	1729	806
700	10	819	406	11	1046	502
	15	1306	652	16	1459	689
	20	1826	911	21	2017	941
800	10	936	463	11	1195	574
	15	1493	745	16	1667	788
	20	2086	1041	21	2306	1076
900	10	1053	521	11	1345	646
	15	1679	838	16	1876	886
	20	2347	1171	21	2594	1210
1000	10	1170	579	11	1494	717
	15	1866	931	16	2084	985
	20	2608	1301	21	2882	1344
1100	10	1287	637	11	1643	789
	15	2053	1024	16	2292	1083
	20	2869	1432	21	3170	1479
1200	10	1404	695	11	1793	861
	15	2239	1117	16	2501	1182
	20	3130	1562	21	3458	1613
1400	10	1638	811	11	2092	1004
	15	2612	1303	16	2918	1379
	20	3651	1822	21	4035	1882
1600	10	1872	927	11	2390	1147
	15	2986	1490	16	3334	1575
	20	4173	2082	21	4611	2151
1800	10	2106	1043	11	2689	1291
	15	3359	1676	16	3751	1772
	20	4694	2342	21	5188	2420
2000	10	2340	1159	11	2988	1434
	15	3732	1862	16	4168	1969
	20	5216	2603	21	5764	2688
2200	10	2574	1275	11	3287	1578
	15	4105	2048	16	4585	2166
	20	5738	2863	21	6340	2957
2400	10	2808	1390	11	3586	1721
	15	4478	2234	16	5002	2363
	20	6259	3123	21	6917	3226
2600	10	3042	1506	11	3884	1864
	15	4852	2421	16	5418	2560
	20	6781	3383	21	7493	3495
2800	10	3276	1622	11	4183	2008
	15	5225	2607	16	5835	2757
	20	7302	3643	21	8070	3764
3000	10	3510	1738	11	4482	2151
	15	5598	2793	16	6252	2954
	20	7824	3904	21	8646	4033

BIWW.060 LLL TT/DBE

	WITH DBE			
L	Type	Watts	Watts	Watts
mm		75/65	55/45	35/30
400	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
500	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
600	11	1196	718	299
	16	1730	1038	433
	21	2209	1325	552
700	11	1346	808	337
	16	1939	1163	485
	21	2497	1498	624
800	11	1495	897	374
	16	2147	1288	537
	21	2786	1672	697
900	11	1945	1167	486
	16	2836	1702	709
	21	3554	2132	889
1000	11	2094	1256	524
	16	3044	1826	761
	21	3842	2305	961
1100	11	2243	1346	561
	16	3252	1951	813
	21	4130	2478	1033
1200	11	2393	1436	598
	16	3461	2077	865
	21	4418	2651	1105
1400	11	2692	1615	673
	16	3878	2327	970
	21	4995	2997	1249
1600	11	3590	2154	898
	16	5254	3152	1314
	21	6531	3919	1633
1800	11	3889	2333	972
	16	5671	3403	1418
	21	7108	4265	1777
2000	11	4188	2513	1047
	16	6088	3653	1522
	21	7684	4610	1921
2200	11	4487	2692	1122
	16	6505	3903	1626
	21	8260	4956	2065
2400	11	5386	3232	1347
	16	7882	4729	1971
	21	9797	5878	2449
2600	11	5684	3410	1421
	16	8298	4979	2075
	21	10373	6224	2593
2800	11	5983	3590	1496
	16	8715	5229	2179
	21	10950	6570	2738
3000	11	6282	3769	1571
	16	9132	5479	2283
	21	11526	6916	2882

Installation in a wall recess is also available in heights 700 and 900 mm, see: www.jaga.co.uk

EN442 output at 20°C room temperature

KNOCKONWOOD FREESTANDING DBE

STYLISH AND POWERFUL

- Developed for the house of the future, “Living Tomorrow”, in Vilvoorde-Belgium.
- Completely pre-assembled including DBE units, connection set and TRV head.
- Casing with curved wooden shell finished in high-grade veneer in 9 wood finishes.
- Hidden control with pre-mounted connection set and TRV head.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- DBE (Dynamic Boost Effect) for compact dimensions at super-low water temperatures from 28 °C.
- Safe surface temperature.

FSC www.fsc.org FSC® C005117
The mark of responsible forestry

Certification only for oak natural, beech natural, maple natural, oak bleached, beech bleached, oak wenge-colour

LIVING TOMORROW® Where visions meet

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING KNOCKONWOOD FREESTANDING DBE



CREATE EMOTION



HEIGHT 210 · OUTPUT TABLES

KNUF. 021 LLL 15.XXX/DBE/...

	STANDBY*			COMFORT		
L	Type	Watts	Watts	Watts	Watts	Watts
mm		75/65	55/45	75/65	55/45	35/30
1100	**15**	1178	575	1678	1007	420
1300	**15**	1414	690	2164	1298	541
1700	**15**	1885	920	2885	1731	721
2100	**15**	2356	1150	3606	2164	902

Completely pre-assembled including DBE units, connection set and TRV head

EN442 output at 20°C room temperature

**Stand-by is the static output if the activators are not working. Transition from Stand-by to Comfort is effected automatically in accordance with the thermal need. Boost output see: www.jaga.co.uk*

ORDERING CODE

code	*height*	*length*	*type*	*wood*	
KNUF .	**021**	**110**	**15 .**	**XXX**	**/DBE/...**

fill in type of wood

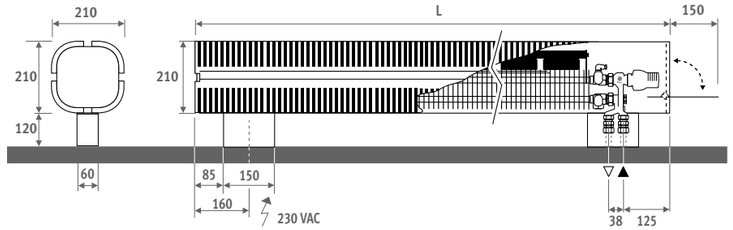
fill in sleeve coupling Eurocone

Precision metal tube 14/1 **114**
Precision metal tube 15/1 **115**
Precision metal tube 16/1 **116**
RPE/ALU tube 16/2 **316**
(other sleeve couplings: see "Connection sets and Valves)

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

DIMENSIONS *(in mm)*



WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin matt, gloss degree 40%. High UV resistance.

Category 1



700 Oak natural



720 Beech natural

760 Maple natural



740 Zebrano natural*

Category 2



701 Oak bleached

721 Beech bleached



710 Mahogany*



702 Oak wenge-colour



780 Walnut*

** no FSC certification.*

MINI FREESTANDING

STRIKINGLY DISCREET

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet appearance with heights from 8cm.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Suitable for integrated valve.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

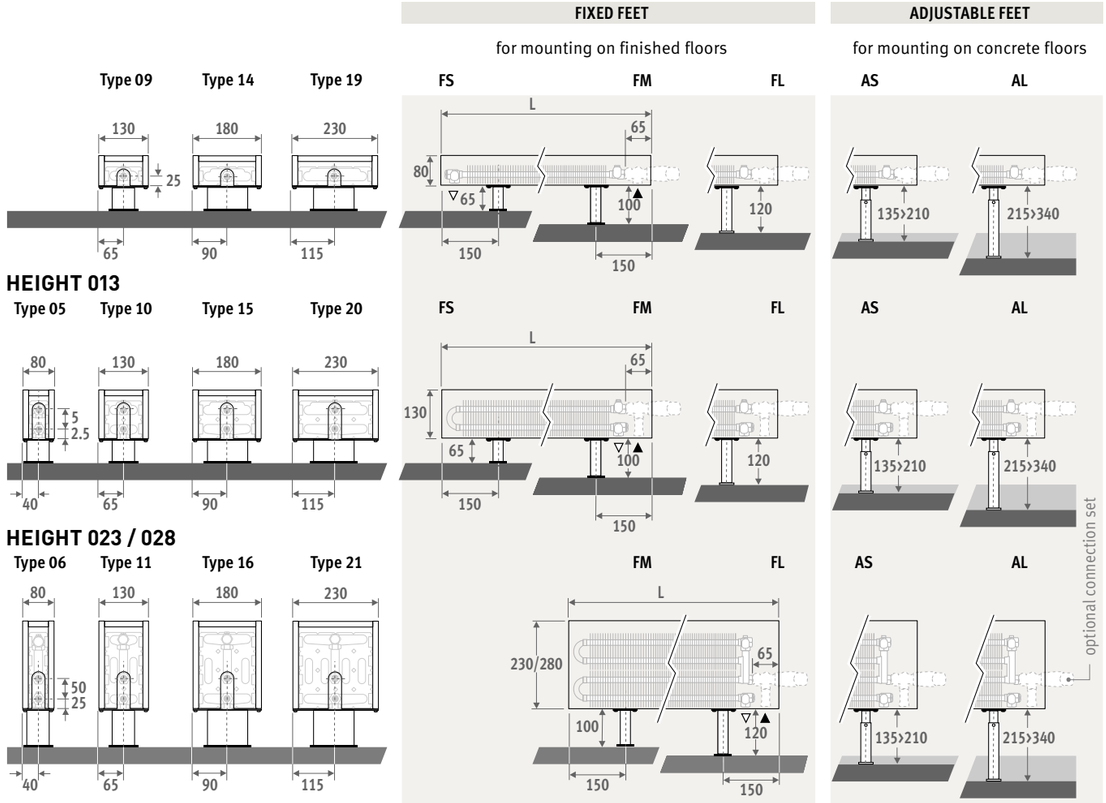


PRESENTING MINI FREESTANDING

MINI FREESTANDING

DIMENSIONS *(in mm)*

HEIGHT 008



HEIGHT 013

HEIGHT 023 / 028

ORDERING CODE FIXED FEET

code	height	length	type	colour	foot
MINF .	008	060	09 .	XXX	/XX

fill in colour code

***FS**: fixed feet, height 65 mm (only for height 008 and 013)*
***FM**: fixed feet, height 100 cm*
***FL**: fixed feet, height 102 mm*

ORDERING CODE ADJUSTABLE FEET

code	height	length	type	colour	foot
MINF .	008	060	09 .	XXX	/XX

fill in colour code

***AS**: adjustable feet, height from 135 to 210 mm*
***AL**: adjustable feet, height from 215 to 340 mm*

Also available as Mini wall mounted model for low window sills and dwarf walls. See page 30.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart.

CONNECTION

Standard connection:
Height 008: opposite end connection, flow left or right
Other heights: same end connection, left or right connection



It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

VALVES

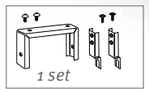
See page 96.





FIXING SET FOR SHELF





Number of sets for casing length:
- from 600 to 1600 mm: min. 2 sets
- from 1800 to 3000 mm: min. 3 sets

Shelf not supplied.

FIXED FEET ▪ OUTPUT TABLES

MINF.HHH LLL TT.XXX/XX

	HEIGHT 80			HEIGHT 130			HEIGHT 230			HEIGHT 280		
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45		75/65	55/45
600	N/A	N/A	N/A	05	197	96	06	323	157	06	342	167
	09	255	124	10	303	147	11	601	288	11	653	313
	14	416	202	15	508	246	16	785	374	16	860	409
	19	572	277	20	717	348	21	1021	484	21	1127	533
700	N/A	N/A	N/A	05	230	112	06	377	183	06	399	195
	09	298	144	10	354	171	11	701	336	11	762	365
	14	486	236	15	593	288	16	916	436	16	1003	477
	19	667	323	20	837	406	21	1191	564	21	1315	622
800	N/A	N/A	N/A	05	263	128	06	431	210	06	456	223
	09	340	165	10	404	196	11	802	384	11	871	417
	14	555	269	15	678	329	16	1046	498	16	1146	545
	19	762	369	20	956	464	21	1361	645	21	1503	710
900	N/A	N/A	N/A	05	296	144	06	485	236	06	513	251
	09	383	186	10	455	220	11	902	432	11	980	469
	14	625	303	15	762	370	16	1177	560	16	1290	613
	19	858	416	20	1076	522	21	1531	725	21	1691	799
1000	N/A	N/A	N/A	05	329	160	06	539	262	06	570	278
	09	425	206	10	505	245	11	1002	480	11	1089	522
	14	694	336	15	847	411	16	1308	623	16	1433	681
	19	953	462	20	1195	580	21	1701	806	21	1879	888
1100	N/A	N/A	N/A	05	362	176	06	593	288	06	627	306
	09	468	227	10	556	269	11	1102	528	11	1198	574
	14	763	370	15	932	452	16	1439	685	16	1576	749
	19	1048	508	20	1315	638	21	1871	886	21	2067	977
1200	N/A	N/A	N/A	05	395	192	06	647	315	06	684	334
	09	510	247	10	606	294	11	1202	576	11	1307	626
	14	833	404	15	1016	493	16	1570	747	16	1720	818
	19	1144	554	20	1434	696	21	2041	967	21	2255	1066
1400	N/A	N/A	N/A	05	461	224	06	755	367	06	798	390
	09	595	288	10	707	342	11	1403	672	11	1525	730
	14	972	471	15	1186	575	16	1831	872	16	2006	954
	19	1334	647	20	1673	812	21	2381	1128	21	2631	1244
1600	N/A	N/A	N/A	05	526	256	06	862	419	06	912	445
	09	680	330	10	808	391	11	1603	768	11	1742	834
	14	1110	538	15	1355	657	16	2093	996	16	2293	1090
	19	1525	739	20	1912	928	21	2722	1289	21	3006	1421
1800	N/A	N/A	N/A	05	592	288	06	970	472	06	1026	501
	09	765	371	10	909	440	11	1804	864	11	1960	939
	14	1249	605	15	1525	740	16	2354	1121	16	2579	1226
	19	1715	831	20	2151	1044	21	3062	1450	21	3382	1599
2000	N/A	N/A	N/A	05	658	320	06	1078	524	06	1140	557
	09	850	412	10	1010	489	11	2004	960	11	2178	1043
	14	1388	673	15	1694	822	16	2616	1245	16	2866	1363
	19	1906	924	20	2390	1159	21	3402	1611	21	3758	1776
2200	N/A	N/A	N/A	05	724	352	06	1186	577	06	1254	612
	09	935	453	10	1111	538	11	2204	1056	11	2396	1148
	14	1527	740	15	1863	904	16	2878	1370	16	3153	1499
	19	2097	1016	20	2629	1275	21	3742	1772	21	4134	1954
2400	N/A	N/A	N/A	05	790	384	06	1294	629	06	1368	668
	09	1020	494	10	1212	587	11	2405	1152	11	2614	1252
	14	1666	807	15	2033	986	16	3139	1494	16	3439	1635
	19	2287	1108	20	2868	1391	21	4082	1933	21	4510	2132
2600	N/A	N/A	N/A	05	855	415	06	1401	681	06	1482	724
	09	1105	536	10	1313	636	11	2605	1248	11	2831	1356
	14	1804	874	15	2202	1068	16	3401	1619	16	3726	1772
	19	2478	1201	20	3107	1507	21	4423	2095	21	4885	2309

EN442 output at 20°C room temperature

Mini freestanding model is also available in lengths 2800 and 3000 mm, see : www.jaga.co.uk

ADJUSTABLE FEET ▪ OUTPUT TABLES

MINF.HHH LLL TT.XXX/XX

	HEIGHT 80			HEIGHT 130			HEIGHT 230			HEIGHT 280		
L	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts	Type	Watts	Watts
mm		75/65	55/45		75/65	55/45		75/65	55/45		75/65	55/45
600	N/A	N/A	N/A	05	197	96	06	323	157	06	342	167
	09	255	124	10	303	147	11	601	288	11	653	313
	14	416	202	15	508	246	16	785	374	16	860	409
	19	572	277	20	717	348	21	1021	484	21	1127	533
700	N/A	N/A	N/A	05	230	112	06	377	183	06	399	195
	09	298	144	10	354	171	11	701	336	11	762	365
	14	486	236	15	593	288	16	916	436	16	1003	477
	19	667	323	20	837	406	21	1191	564	21	1315	622
800	N/A	N/A	N/A	05	263	128	06	431	210	06	456	223
	09	340	165	10	404	196	11	802	384	11	871	417
	14	555	269	15	678	329	16	1046	498	16	1146	545
	19	762	369	20	956	464	21	1361	645	21	1503	710
900	N/A	N/A	N/A	05	296	144	06	485	236	06	513	251
	09	383	186	10	455	220	11	902	432	11	980	469
	14	625	303	15	762	370	16	1177	560	16	1290	613
	19	858	416	20	1076	522	21	1531	725	21	1691	799
1000	N/A	N/A	N/A	05	329	160	06	539	262	06	570	278
	09	425	206	10	505	245	11	1002	480	11	1089	522
	14	694	336	15	847	411	16	1308	623	16	1433	681
	19	953	462	20	1195	580	21	1701	806	21	1879	888
1100	N/A	N/A	N/A	05	362	176	06	593	288	06	627	306
	09	468	227	10	556	269	11	1102	528	11	1198	574
	14	763	370	15	932	452	16	1439	685	16	1576	749
	19	1048	508	20	1315	638	21	1871	886	21	2067	977
1200	N/A	N/A	N/A	05	395	192	06	647	315	06	684	334
	09	510	247	10	606	294	11	1202	576	11	1307	626
	14	833	404	15	1016	493	16	1570	747	16	1720	818
	19	1144	554	20	1434	696	21	2041	967	21	2255	1066
1400	N/A	N/A	N/A	05	461	224	06	755	367	06	798	390
	09	595	288	10	707	342	11	1403	672	11	1525	730
	14	972	471	15	1186	575	16	1831	872	16	2006	954
	19	1334	647	20	1673	812	21	2381	1128	21	2631	1244
1600	N/A	N/A	N/A	05	526	256	06	862	419	06	912	445
	09	680	330	10	808	391	11	1603	768	11	1742	834
	14	1110	538	15	1355	657	16	2093	996	16	2293	1090
	19	1525	739	20	1912	928	21	2722	1289	21	3006	1421
1800	N/A	N/A	N/A	05	592	288	06	970	472	06	1026	501
	09	765	371	10	909	440	11	1804	864	11	1960	939
	14	1249	605	15	1525	740	16	2354	1121	16	2579	1226
	19	1715	831	20	2151	1044	21	3062	1450	21	3382	1599
2000	N/A	N/A	N/A	05	658	320	06	1078	524	06	1140	557
	09	850	412	10	1010	489	11	2004	960	11	2178	1043
	14	1388	673	15	1694	822	16	2616	1245	16	2866	1363
	19	1906	924	20	2390	1159	21	3402	1611	21	3758	1776
2200	N/A	N/A	N/A	05	724	352	06	1186	577	06	1254	612
	09	935	453	10	1111	538	11	2204	1056	11	2396	1148
	14	1527	740	15	1863	904	16	2878	1370	16	3153	1499
	19	2097	1016	20	2629	1275	21	3742	1772	21	4134	1954
2400	N/A	N/A	N/A	05	790	384	06	1294	629	06	1368	668
	09	1020	494	10	1212	587	11	2405	1152	11	2614	1252
	14	1666	807	15	2033	986	16	3139	1494	16	3439	1635
	19	2287	1108	20	2868	1391	21	4082	1933	21	4510	2132
2600	N/A	N/A	N/A	05	855	415	06	1401	681	06	1482	724
	09	1105	536	10	1313	636	11	2605	1248	11	2831	1356
	14	1804	874	15	2202	1068	16	3401	1619	16	3726	1772
	19	2478	1201	20	3107	1507	21	4423	2095	21	4885	2309

EN442 output at 20°C room temperature

Mini freestanding model is also available in lengths 2800 and 3000 mm, see : www.jaga.co.uk

MINI FREESTANDING DBE

UNOBTRUSIVE HERCULES

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Equipped as standard with pipework guard.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- DBE (Dynamic Boost Effect) for compact dimensions at super-low water temperatures from 28 °C.
- Safe surface temperature.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING MINI FREESTANDING DBE

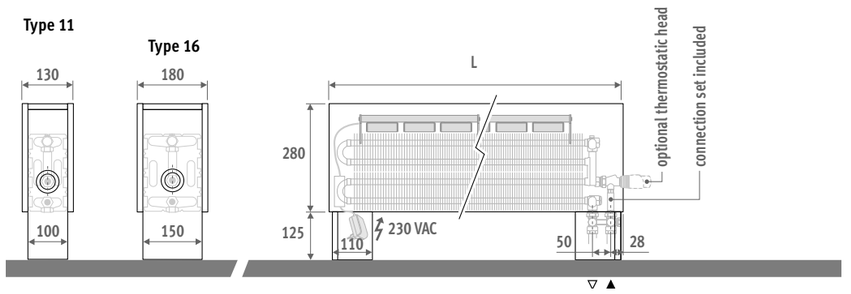


BUILDING BRIDGES



MINI FREESTANDING DBE

DIMENSIONS *(in mm)*



ORDERING CODE

code height length type colour

MINF. 028 081 11. XXX/DS/DBE/...

fill in colour code

fill in sleeve coupling code

Precision metal tube 14/1	**114**
Precision metal tube 15/1	**115**
Precision metal tube 16/1	**116**
RPE/ALU tube 16/2	**316**

(other sleeve couplings: see "Connection sets and Valves)

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

OPTIONS

Thermostatic heads



CODE	colour	
5090.1151	chrome	AC
5090.1150	white	AW
5090.1125	white	JW
5090.1152	silver	JS

Valves included

HEIGHT 280 ▪ OUTPUT TABLES

MINF.028 LLL TT.XXX/DS/DBE/...

	STANDBY*			COMFORT		
L	Type	Watts	Watts	Watts	Watts	Watts
mm		75/65	55/45	75/65	55/45	35/30
810	**11**	871	417	1171	703	293
	16	1146	549	1626	976	407
1010	**11**	1089	522	1689	1013	422
	16	1433	686	2393	1436	598
1210	**11**	1307	626	1907	1144	477
	16	1720	824	2680	1608	670
1410	**11**	1525	730	2425	1455	606
	16	2006	961	3446	2068	862
1810	**11**	1960	939	3160	1896	790
	16	2579	1235	4499	2699	1125
2410	**11**	2614	1252	4414	2648	1104
	16	3439	1647	6319	3791	1580

EN442 output at 20°C room temperature

**Stand-by is the static output if the activators are not working. Transition from Stand-by to Comfortis effected automatically in accordance with the thermal need. Boost output see: www.jaga.co.uk*

LINEA PLUS FREESTANDING

SLIM LINE & POWERFUL

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet slim-line design with flat front panel and stylish aluminium grille.
- No wasteful heat loss from radiation through glazing.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for integrated valve.
- Safe surface temperature.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING LINEA PLUS FREESTANDING



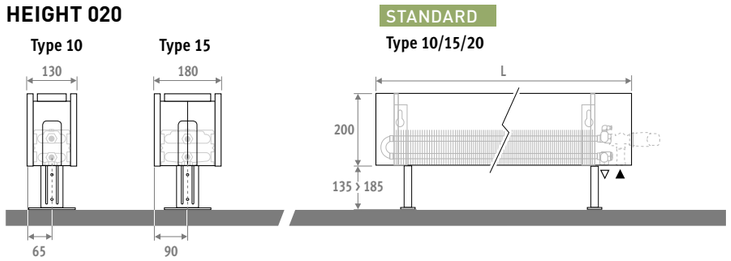
RESPECT NATURE



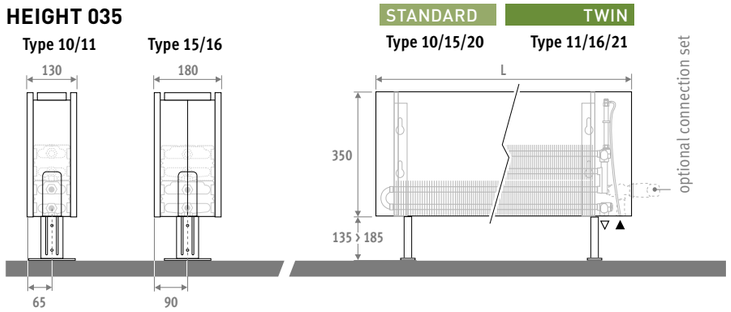
LINEA PLUS FREESTANDING

DIMENSIONS *(in mm)*

HEIGHT 020



HEIGHT 035



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

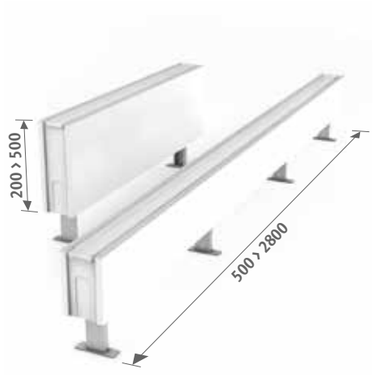
Other colours: see colour chart.

CONNECTION

Standard connection:
bottom end left or right

VALVES

See page 96.



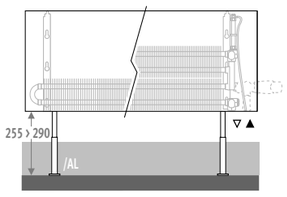
OPTIONS

Feet in the same colour as the casing

For feet in the same colour as the casing, repeat the colour code after the code of the radiator.
ex.: LINF. HHH LLL TT.XXX/**XXX**

Extended adjustable feet

- For installation on a rough subfloor or computer floor.
- For extended feet in neutral grey, add /AL to the ordering code.
  ex.: LINF. 020 050 10.XXX/**AL**
- For extended feet in the same colour as the casing, add /AL to the ordering code and repeat the colour code.
  ex.: LINF. 020 050 10.XXX/**AL/XXX**



Also available as a wall mounted model. See page 22.

ORDERING CODE

code	*height*	*length*	*type*	*colour*
LINF .	**020**	**050**	**10 .**	**XXX**

fill in colour code

HEIGHT 200-350 · OUTPUT TABLES

LINF.HHH LLL TT.XXX

	HEIGHT 200			HEIGHT 350			HEIGHT 350		
L	**Type**	**Watts**	**Watts**	**Type**	**Watts**	**Watts**	**Type**	**Watts**	**Watts**
mm		**75/65**	**55/45**		**75/65**	**55/45**		**75/65**	**55/45**
500	**10**	271	130	**10**	392	190	**10**	524	249
	15	483	233	**15**	673	330	**15**	733	347
600	**10**	325	156	**10**	470	228	**10**	629	298
	15	580	280	**15**	808	396	**15**	879	416
700	**10**	379	182	**10**	548	265	**10**	734	348
	15	676	327	**15**	942	461	**15**	1026	485
800	**10**	433	208	**10**	626	303	**10**	838	398
	15	773	373	**15**	1077	527	**15**	1172	555
900	**10**	487	234	**10**	705	341	**10**	943	447
	15	869	420	**15**	1211	593	**15**	1319	624
1000	**10**	541	260	**10**	783	379	**10**	1048	497
	15	966	467	**15**	1346	659	**15**	1465	693
1100	**10**	595	286	**10**	861	417	**10**	1153	547
	15	1063	514	**15**	1481	725	**15**	1612	763
1200	**10**	649	312	**10**	940	455	**10**	1258	597
	15	1159	560	**15**	1615	791	**15**	1758	832
1400	**10**	757	364	**10**	1096	531	**10**	1467	696
	15	1352	653	**15**	1884	922	**15**	2051	970
1600	**10**	866	416	**10**	1253	607	**10**	1677	795
	15	1546	747	**15**	2154	1055	**15**	2344	1109
1800	**10**	974	468	**10**	1409	683	**10**	1886	895
	15	1739	840	**15**	2423	1186	**15**	2637	1248
2000	**10**	1082	520	**10**	1566	759	**10**	2096	994
	15	1932	933	**15**	2692	1318	**15**	2930	1386
2200	**10**	1190	571	**10**	1723	835	**10**	2306	1094
	15	2125	1027	**15**	2961	1450	**15**	3223	1525
2400	**10**	1298	623	**10**	1879	910	**10**	2515	1193
	15	2318	1120	**15**	3230	1581	**15**	3516	1664
2600	**10**	1407	676	**10**	2036	986	**10**	2725	1293
	15	2512	1214	**15**	3500	1714	**15**	3809	1802
2800	**10**	1515	728	**10**	2192	1062	**10**	2934	1392
	15	2705	1307	**15**	3769	1845	**15**	4102	1941

Linea Plus Freestanding also available 500mm high. See www.jaga.co.uk

GRILLES

FOR MINI CANAL, CANAL PLUS AND CANAL COMPACT

Jaga offers various integrated trench heating solutions for floor-to-ceiling windows and glazed façades. Elegant, giving an unobstructed view through the window or glazed façade. But also technically advanced, since they are equipped with powerful Jaga Low-H_2O technology.

For Mini Canal, Canal Compact and Canal Plus there are more than 22 different grilles available In this overview, you will find a solution to suit every interior.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga



PRESENTING GRILLES

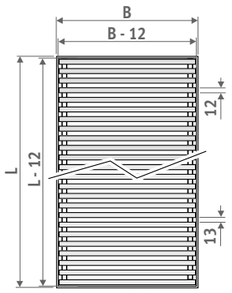
OVERVIEW GRILLES ▪ ROLL-UP

DESIGNO WOODEN GRILLES



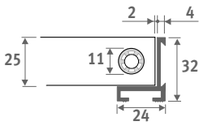
Roll-up natural or varnished grille, Designo model with reduced slat spacing and natural colour anodised aluminium spacers. Frame in natural coloured anodised aluminium.

Free air flow: 52%
Output correction factor: 0.93

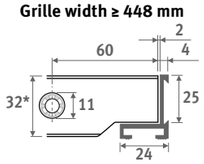


Dimensional tolerance grille width: 0/+2 mm

Grille width ≤ 408 mm



Grille width ≥ 448 mm





DON Oak natural



DOV Oak varnished



DMN Merbau natural



DMV Merbau varnished



DBN Beech natural



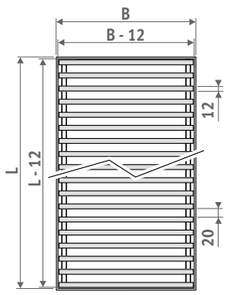
DBV Beech varnished

WOODEN GRILLES



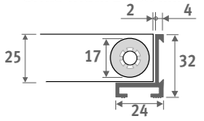
Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodised aluminium.
Free air flow 63%.

Free air flow: 63%
Output correction factor: 0.97

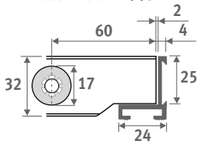


Dimensional tolerance grille width: 0/+2 mm

Grille width ≤ 408 mm



Grille width ≥ 448 mm





RON Oak natural



ROV Oak varnished



RMN Merbau natural



RMV Merbau varnished



RBN Beech natural



RBV Beech varnished

ROLL-UP ▪ OVERVIEW GRILLES

ALUMINIUM GRILLES



RNA Natural aluminium



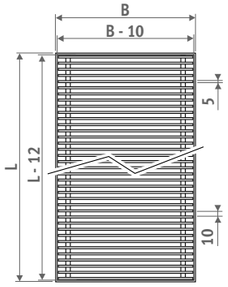
RBL Black



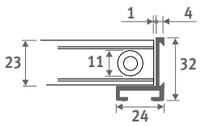
RDB Dark brown
(Only for Mini Canal)



RBR Brass coloured
(Only for Mini Canal)



Dimensional tolerance grille width: 0/+2 mm





Roll-up anodised aluminium grille with frame in matching colour.

Free air flow: 70%
No correction factor to apply on the output.

STAINLESS STEEL GRILLES



RSS stainless steel

Mini Canal and separate frames are available with L-profile or Z-profile frame.

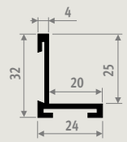
Canal Compact and Canal Plus are only available with L-profile frame.

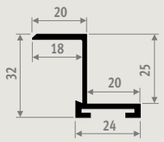


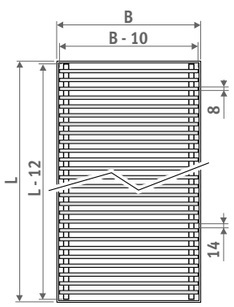
Frame
L-profile



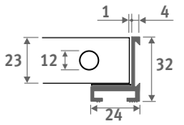
Cover frame
Z-profile







Dimensional tolerance grille width: 0/+2 mm

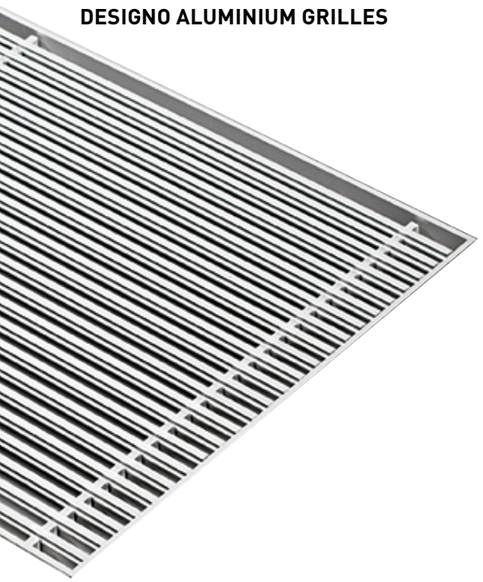


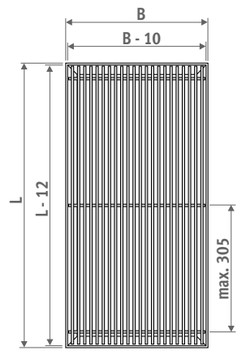


Roll-up grille in high grade stainless steel 1.4301. With matching frame in natural anodised aluminium.
Mamimum length: 6 m.

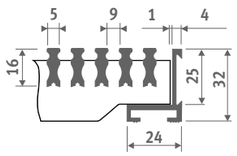
Free air flow: 60%
Output correction factor: 0.96

DESIGNO ALUMINIUM GRILLES





Dimensional tolerance grille width: 0/+2 mm

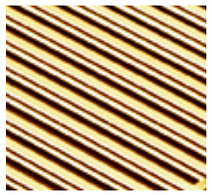




DNA Natural aluminium



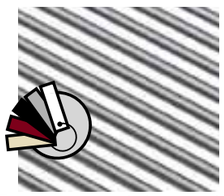
DBL Black



DBR Brass coloured (Only for Mini Canal)



DDB Dark brown (Only for Mini Canal)



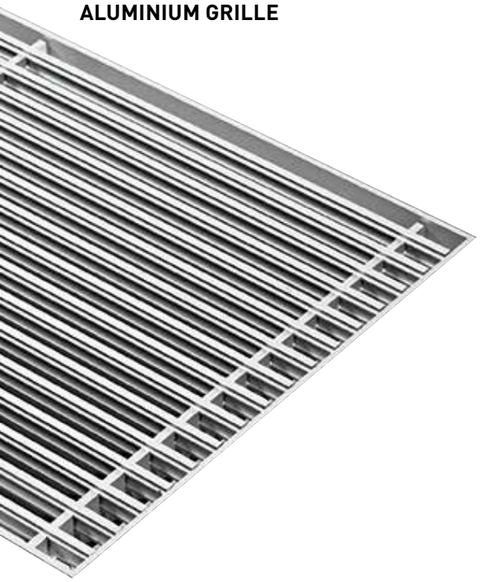
DNC/XXX Alu lacquered

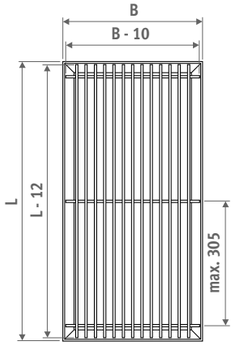
To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

Rigid anodised aluminium grille, Designo model with reduced slat spacing. Matching colour frame.

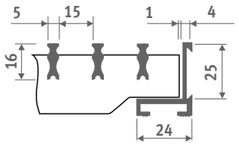
free air flow: 62.5%
Output correction factor: 0.97

ALUMINIUM GRILLE





Dimensional tolerance grille width: 0/+2 mm

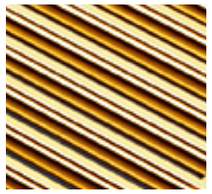




SNA Natural aluminium



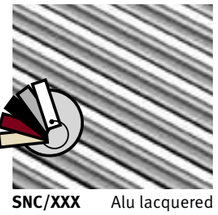
SBL Black



TBR Brass coloured (Only for Mini Canal)



SDB Dark brown (Only for Mini Canal)



SNC/XXX Alu lacquered

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

Rigid anodised aluminium grille with matching colour frame.

Free air flow: 75%
No correction factor to apply on the output.

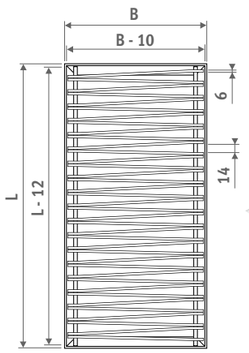
ACCORDION



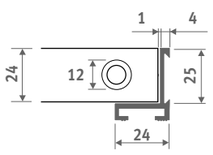
ANA Natural aluminium

The Accordion by Jaga gives your floor an artistic touch. It has a unique and flexible appearance, but always stays firmly in place. Its playful, curved strips stand side by side – matched in ranks. The result? An uninterrupted concertina movement that gives the grille a life of its own.

Free air flow: 55%
Output correction factor: 0.75

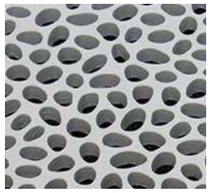


Dimensional tolerance grille width: 0/+2 mm

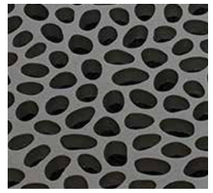




PEBBLES



PNC/026 platinum gray



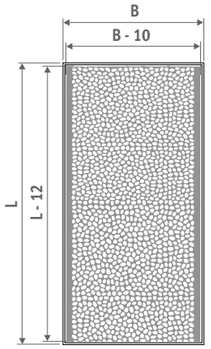
PNC/028 Granite gray

Pebbles is a new addition to the extensive Jaga range. It is an superbly crafted cast aluminium grille, a masterpiece of traditional metalwork. Pebbles has the strong appearance of a traditional heavy cast iron grille with all the advantages of light aluminium. The irregularly spaced and different shaped holes give the grille the appearance of a scattering of pebbles.

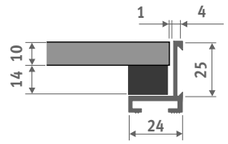
Rigid grille in cast aluminium. With rubber caps to reduce impact noise. Sandblasted and lacquered with an extremely wear and UV resistant polyester lacquer with a matt, lightly structured finish. Matching frame in natural aluminum colour.

Pebbles is made up of 'tiles' (10 mm thick x 500 mm long) with the end tile at least 20 cm long. The tiles have a pattern of holes which can be matched at the joints so that the seams are barely visible.

Free air flow: 66%
Output correction factor: 0.85



Dimensional tolerance grille width: 0/+2 mm



Only available for frame widths 260, 340 and 420 mm.



MINI CANAL

MINIMAL RECESS DEPTH

For spaces with large windows, glazed façades, conservatories, display windows and offices. From a depth of 90 mm, Mini Canal is the perfect solution for multistorey buildings and computer floors. Hidden under the grille is an ultra fast Low-H_2O element. The internal elements of the Mini Canal have been made “invisible”, using lacquered dark grey components. The only eyecatching element left is the grille-cover which can be perfectly tailored to match the floor or the interior design.

- Depth from 90 mm.
- Delivered ready-to-use , fully assembled and factory tested.
- A range of grilles for every interior.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

CREATE EMOTION

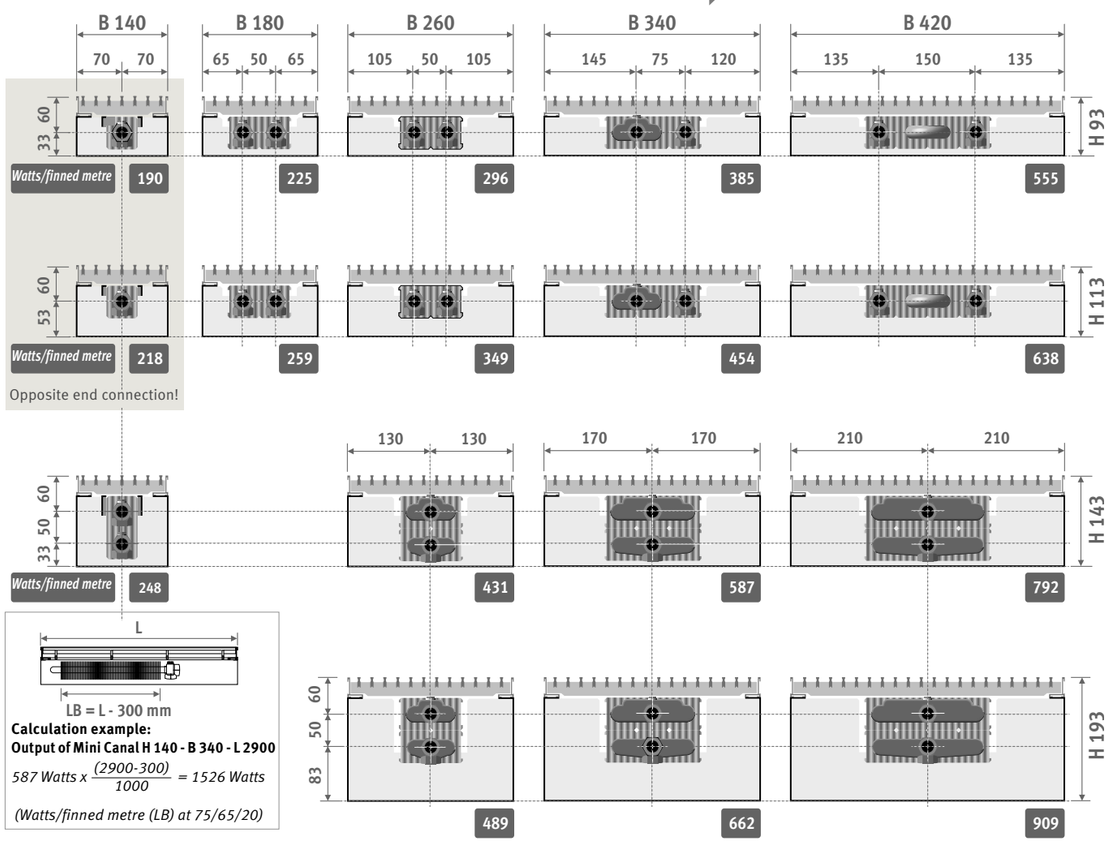
PRESENTING MINI CANAL



MINI CANAL ▪ SUMMARY

PRODUCT SUMMARY

Building in-opening: height H + 10 mm, length L and width B +5 mm!



Calculation example:
Output of Mini Canal H 140 - B 340 - L 2900

$$587 \text{ Watts} \times \frac{(2900-300)}{1000} = 1526 \text{ Watts}$$

(Watts/finned metre (LB) at 75/65/20)

ORDERING CODE

WITH FRAME (L-PROFILE)

code	height	length	width	grille
MICL .	009	110	14 .	/XXX
				fill in grille code

WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MICZ .	009	110	14 .	/XXX
				fill in grille code

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

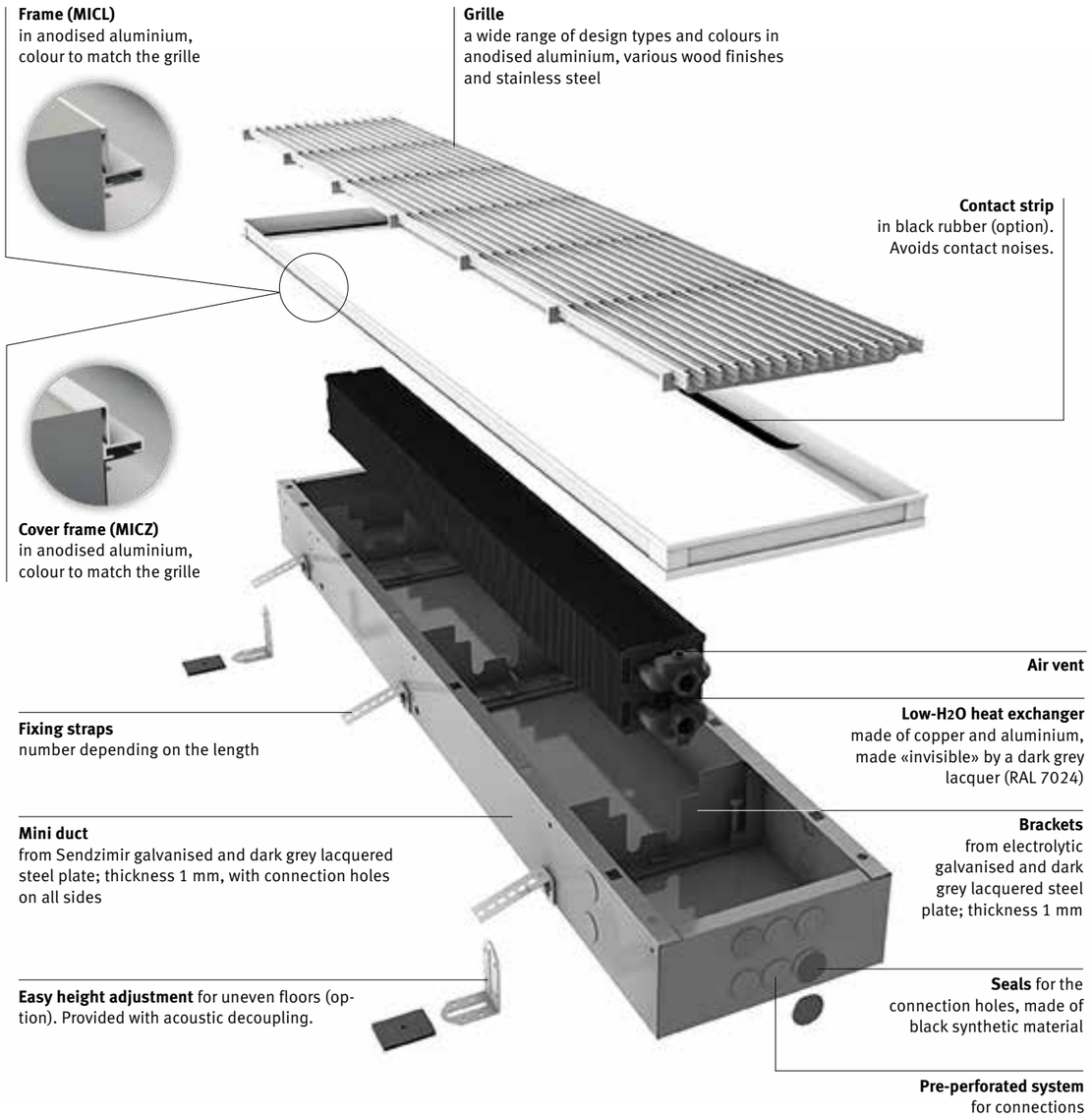
INSTALLATION

The Mini Canal is supplied completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.
The cover frame allows the seam between the floor and the trench to be covered.

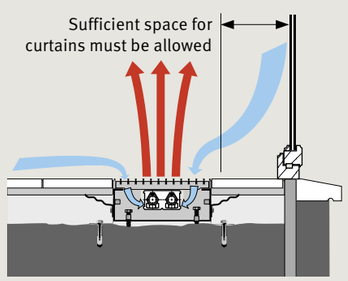
Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening .
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

COMPOSITION ▪ MINI CANAL



OPERATING PRINCIPLE



EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

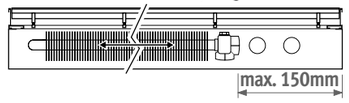
CONNECTION

Connection possibilities

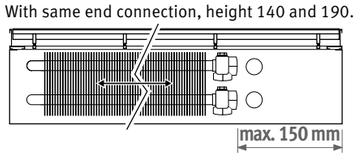
There are several ways to connect the heat exchanger:
to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).
- with manual valve in the duct.
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

Maximum space for connection

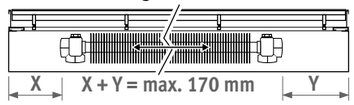
With same end connection, height 90 and 110.



With same end connection, height 140 and 190.

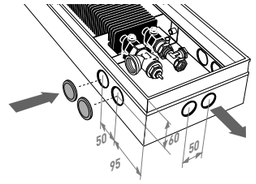


With opposite end connection.
Width 140 and height 90 and 110.

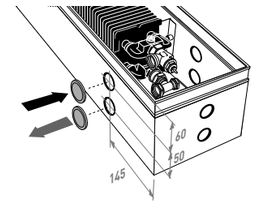


Connection dimensions

Height 90 and 110



Height 140 and 190



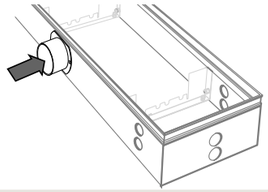
VALVES

See page 96.

AIR REFRESHMENT

Mounted spigot connector for air supply channel

Not available with height 90 - 110

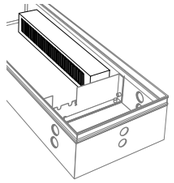


CODE	
/V1	1 spigot connection ø 80 mm
/V2	2 spigot connections ø 80 mm

Add /V1 or **/V2** to **the** Mini Canal code.
Example: MICL. 014 110 14 /XXX **/V1**

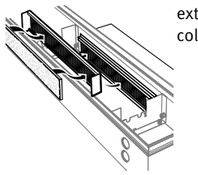
Other systems

Air refreshment system2



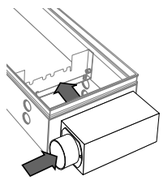
internal air supply collector

Air refreshment system 3



exterior air supply collector

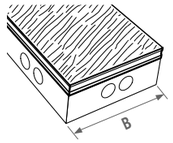
Air refreshment system 4



air supply collector at headpiece

For more information see:
www.jaga.co.uk

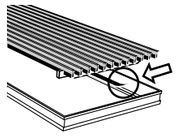
COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

	code	length	width
ORDERING CODE	7691.000	110	14

CONTACT STRIP

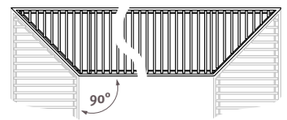


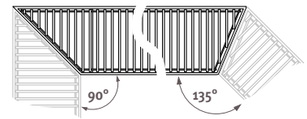
For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of rolls required according to the circumference of the frame: (B + L) x 2.

CODE	
7690.02	Roll 6 metre

CORNERS 135° OR 90°

For wooden and aluminium grilles.



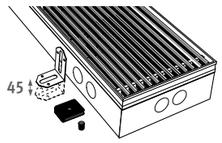


To order corner elements,
please contact Jaga at: jaga@jaga.co.uk.
Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

HEIGHT CONTROL



Simple height control for uneven subfloors. Provided with acoustic decoupling.

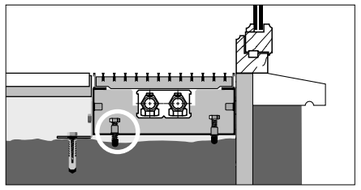
CODE		
7690.01	height control	0 - 45 mm
7690.04	height control	45 - 130 mm

Recommended numbers for length:

1 set =

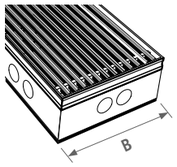


1100 mm	2 sets
1300 › 1900 mm	3 sets
2100 mm	4 sets
2300 › 3100 mm	5 sets
3300 › 3700 mm	7 sets
4100 mm	8 sets
4500 › 4900 mm	10 sets



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

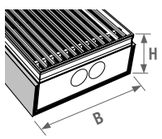
BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

	code	length	width
ORDERING CODE	7692.000	110	14

3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

	code	height	length	width
ORDERING CODE	7693.	009	110	014

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 140		B 180		B 260	
L	Watts	Watts	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45	75/65	55/45
1100	152	76	180	90	237	118
1300	190	95	225	112	296	148
1500	229	114	271	135	356	178
1700	267	133	316	158	415	207
1900	304	152	360	180	474	236
2100	342	171	406	202	534	266
2300	381	190	451	225	593	296
2500	419	209	496	247	652	325
2700	457	228	541	270	711	355
2900	495	247	586	292	771	385
3100	533	266	631	315	830	414
3300	571	285	676	337	889	443
3700	647	323	767	383	1008	503
4100	723	361	856	427	1126	562
4500	800	399	947	472	1245	621
4900	875	436	1037	517	1363	680

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk

GRILLE CODES

Designo rigid aluminium grilles



DNA natural coloured
DBL black
DDB dark brown
DBR brass coloured
DNC/XXX *(colour)* lacquered

Designo roll-up wooden grilles



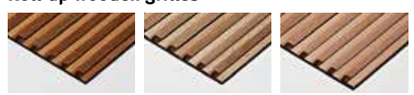
DMN merbau **DMV** varnished
DON oak **DOV** varnished
DBN beech **DBV** varnished

Rigid aluminium grilles



SNA natural coloured
SBL black
SDB dark brown
SBR brass coloured
SNC/XXX *(colour)* lacquered

Roll-up wooden grilles



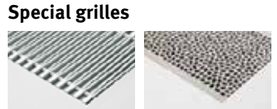
RMN merbau **RMV** varnished
RON oak **ROV** varnished
RBN beech **RBV** varnished

Roll-up aluminium grilles



RNA natural coloured
RBL black
RDB dark brown
RBR brass coloured
RSS stainless steel

Special grilles



ANA alu. natural colour
PNC cast aluminium

HEIGHT 90 · OUTPUT TABLES

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 340		B 420	
L	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45
1100	307	153	445	222
1300	385	192	555	277
1500	462	230	666	332
1700	538	268	778	388
1900	615	307	888	443
2100	692	345	1000	499
2300	769	384	1111	554
2500	846	422	1221	609
2700	923	460	1333	665
2900	1000	499	1444	720
3100	1076	537	1555	775
3300	1154	576	1666	831
3700	1307	652	1888	942
4100	1461	729	2111	1053
4500	1615	805	2332	1163
4900	1769	882	2555	1274

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk



DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 140		B 180		B 260	
L	Watts	Watts	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45	75/65	55/45
1100	175	87	207	103	279	139
1300	218	109	259	129	349	174
1500	262	131	310	155	420	209
1700	306	153	363	181	489	244
1900	349	174	414	206	559	279
2100	393	196	466	232	629	314
2300	437	218	518	258	699	349
2500	480	239	569	284	769	384
2700	524	261	622	310	839	418
2900	568	283	673	336	909	453
3100	612	305	725	362	978	488
3300	655	327	777	387	1048	523
3700	743	371	881	439	1188	592
4100	830	414	984	491	1328	662
4500	917	457	1087	542	1468	732
4900	1005	501	1191	594	1608	802

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk

GRILLE CODES

Designo rigid aluminium grilles



DNA natural coloured
DBL black
DDB dark brown
DBR brass coloured
DNC/XXX *(colour)* lacquered

Designo roll-up wooden grilles



DMN merbau **DMV** varnished
DON oak **DOV** varnished
DBN beech **DBV** varnished

Rigid aluminium grilles



SNA natural coloured
SBL black
SDB dark brown
SBR brass coloured
SNC/XXX *(colour)* lacquered

Roll-up wooden grilles



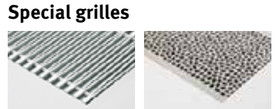
RMN merbau **RMV** varnished
RON oak **ROV** varnished
RBN beech **RBV** varnished

Roll-up aluminium grilles



RNA natural coloured
RBL black
RDB dark brown
RBR brass coloured
RSS stainless steel

Special grilles



ANA alu. natural colour
PNC cast aluminium

HEIGHT 110 ▪ OUTPUT TABLES

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 340		B 420	
L	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45
1100	363	181	510	254
1300	454	226	638	318
1500	544	271	766	382
1700	636	317	893	445
1900	726	362	1021	509
2100	817	407	1148	573
2300	908	453	1276	636
2500	998	498	1404	700
2700	1090	544	1531	764
2900	1180	588	1659	827
3100	1271	634	1786	891
3300	1362	679	1914	955
3700	1544	770	2169	1082
4100	1725	860	2424	1209
4500	1906	951	2680	1337
4900	2088	1041	2935	1464

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk



HEIGHT 140 · OUTPUT TABLES

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 140		B 180		B 260	
L	Watts	Watts	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45	75/65	55/45
1100	198	99	N/A	N/A	345	172
1300	248	124	N/A	N/A	431	215
1500	298	149	N/A	N/A	516	257
1700	347	173	N/A	N/A	603	301
1900	397	198	N/A	N/A	689	344
2100	446	222	N/A	N/A	775	386
2300	496	247	N/A	N/A	861	429
2500	546	272	N/A	N/A	947	472
2700	595	297	N/A	N/A	1034	516
2900	645	322	N/A	N/A	1119	558
3100	694	346	N/A	N/A	1206	601
3300	744	371	N/A	N/A	1292	644
3700	843	420	N/A	N/A	1464	730
4100	942	470	N/A	N/A	1636	816
4500	1042	520	N/A	N/A	1808	902
4900	1141	569	N/A	N/A	1980	987

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

See Mini Canal DBE for up to 300% more output

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk

GRILLE CODES

Designo rigid aluminium grilles



DNA natural coloured | **DBL** black | **DDB** dark brown | **DBR** brass coloured | **DNC/XXX** *(colour)* lacquered

Designo roll-up wooden grilles



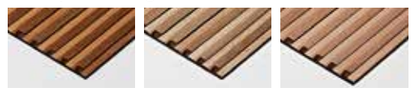
DMN merbau **DMV** varnished | **DON** oak **DOV** varnished | **DBN** beech **DBV** varnished

Rigid aluminium grilles



SNA natural coloured | **SBL** black | **SDB** dark brown | **SBR** brass coloured | **SNC/XXX** *(colour)* lacquered

Roll-up wooden grilles



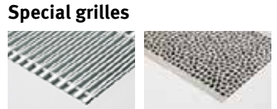
RMN merbau **RMV** varnished | **RON** oak **ROV** varnished | **RBN** beech **RBV** varnished

Roll-up aluminium grilles



RNA natural coloured | **RBL** black | **RDB** dark brown | **RBR** brass coloured | **RSS** stainless steel

Special grilles



ANA alu. natural colour | **PNC** cast aluminium

HEIGHT 140 · OUTPUT TABLES

DIMENSIONS *(in mm)*

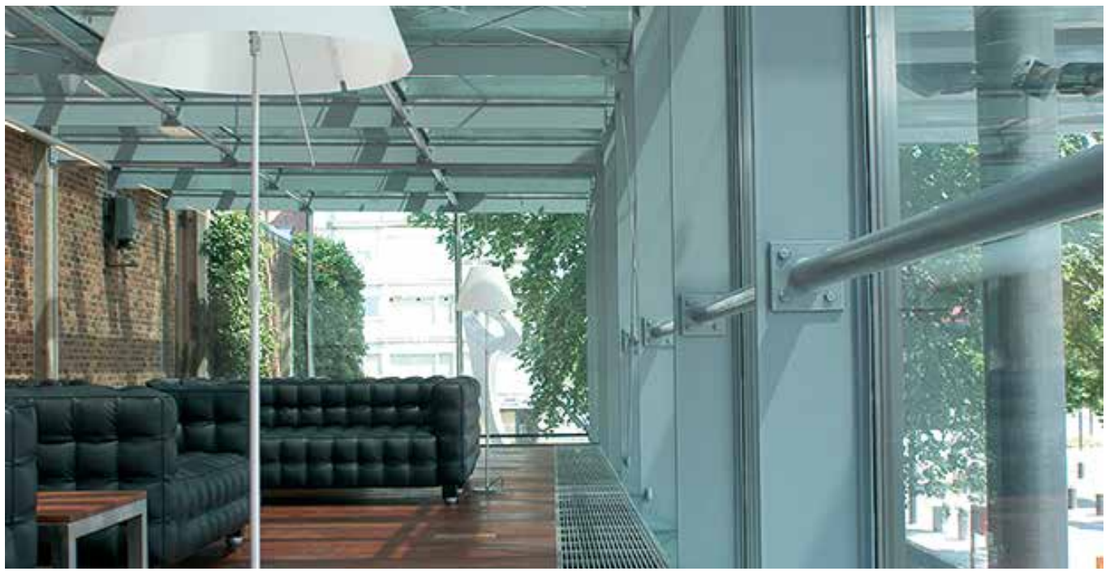
MINW.HHH LLL TT.XXX

	B 340		B 420	
L	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45
1100	470	234	633	316
1300	587	293	792	395
1500	705	352	950	474
1700	822	410	1108	553
1900	940	469	1267	632
2100	1057	527	1425	711
2300	1175	586	1583	789
2500	1292	644	1742	869
2700	1409	703	1900	948
2900	1527	762	2058	1026
3100	1644	820	2217	1106
3300	1762	879	2375	1184
3700	1997	996	2692	1343
4100	2232	1113	3008	1500
4500	2467	1230	3325	1658
4900	2702	1347	3642	1816

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk



HEIGHT 190 ▪ OUTPUT TABLES

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 260		B 340		B 420	
L	Watts	Watts	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45	75/65	55/45
1100	392	195	530	264	728	363
1300	489	244	662	330	909	453
1500	587	293	795	396	1091	544
1700	685	342	927	462	1273	635
1900	782	390	1059	528	1455	726
2100	881	439	1192	594	1637	816
2300	978	488	1324	660	1819	907
2500	1076	537	1457	727	2001	998
2700	1174	585	1590	793	2182	1088
2900	1271	634	1721	858	2365	1179
3100	1370	683	1854	925	2547	1270
3300	1467	732	1987	991	2728	1360
3700	1663	829	2252	1123	3092	1542
4100	1859	927	2516	1255	3456	1724
4500	2054	1024	2781	1387	3820	1905
4900	2250	1122	3046	1519	4184	2087

Output at 20°C room temperature.

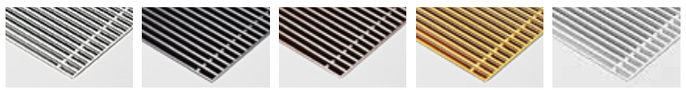
Output correction factor: see pages 245-251.

See Mini Canal DBE for up to 300% more output

Mini Canal is also available in a range of other lengths, from 700 mm: www.jaga.co.uk

GRILLE CODES

Designo rigid aluminium grilles



DNA natural coloured
DBL black
DDB dark brown
DBR brass coloured
DNC/XXX *(colour)* lacquered

Designo roll-up wooden grilles



DMN merbau **DMV** varnished
DON oak **DOV** varnished
DBN beech **DBV** varnished

Rigid aluminium grilles



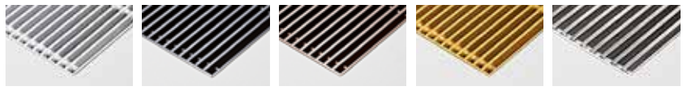
SNA natural coloured
SBL black
SDB dark brown
SBR brass coloured
SNC/XXX *(colour)* lacquered

Roll-up wooden grilles



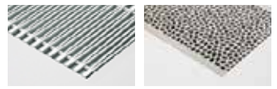
RMN merbau **RMV** varnished
RON oak **ROV** varnished
RBN beech **RBV** varnished

Roll-up aluminium grilles

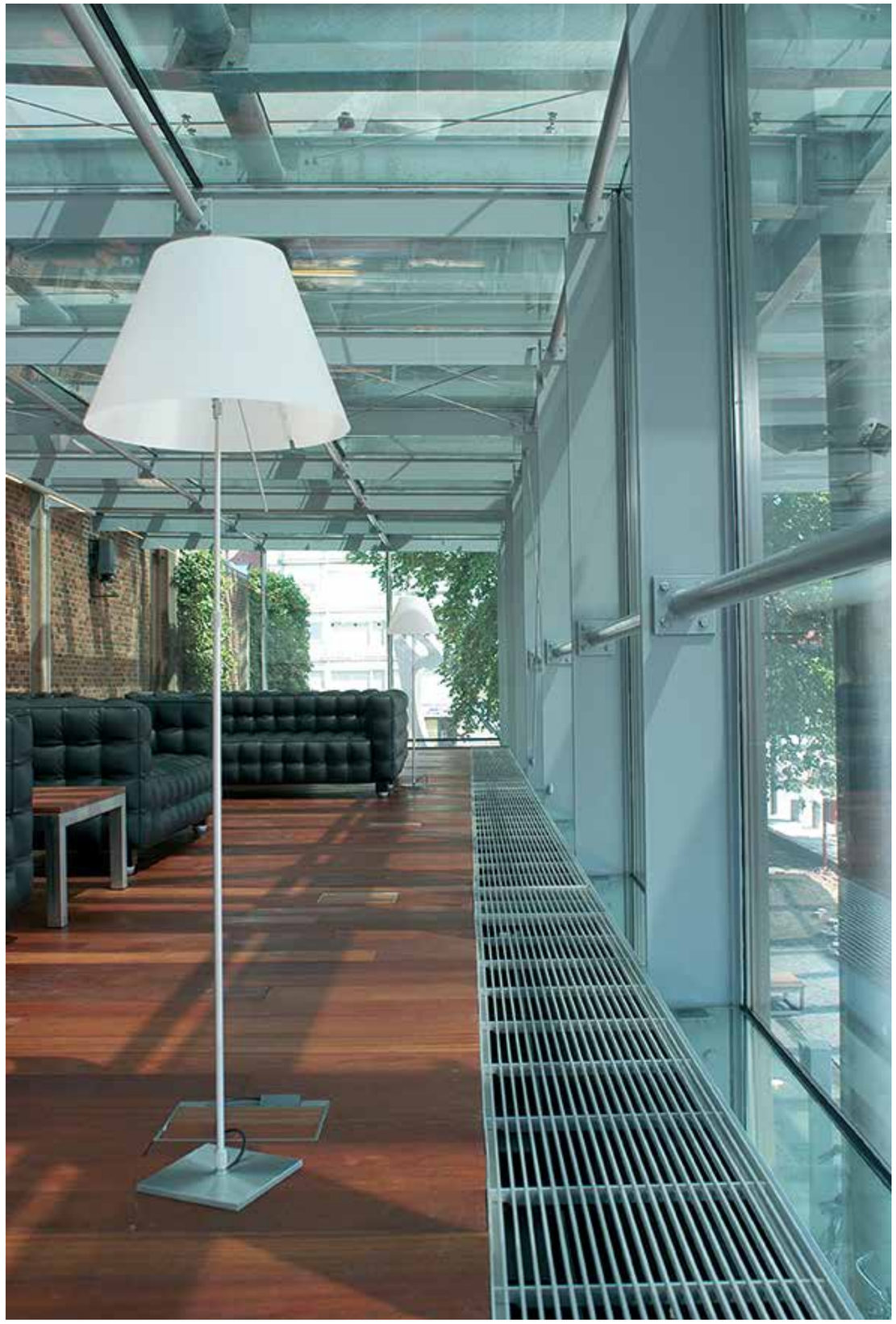


RNA natural coloured
RBL black
RDB dark brown
RBR brass coloured
RSS stainless steel

Special grilles



ANA alu. natural colour
PNC cast aluminium



MINI CANAL DBE

SAME SIZE, 3 TIMES THE HEATING OUTPUT!

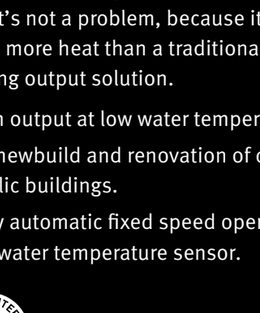
Condensing boilers, heat pumps and solar energy systems need far bigger heating elements because they operate at very low water temperatures that sometimes don't get above 35ºC. For Mini Canal DBE it's not a problem, because it delivers 3 to 4 times more heat than a traditional natural trench heating output solution.

- High output at low water temperatures.
- For newbuild and renovation of commercial and public buildings.
- Fully automatic fixed speed operation driven by the water temperature sensor.
- 12 V or 230 V connection.
- Connection for ventilation (option).
- Less space needed.
- A range of grilles for every interior.
- Low-H_2O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.

GUARANTEE 30 YEAR HEAT EXCHANGER

jaga

PRESENTING MINI CANAL DBE

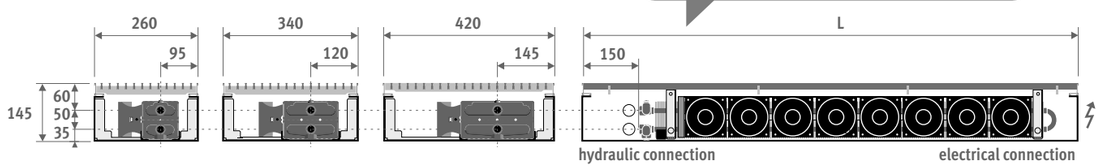


DREAM
A FUTURE

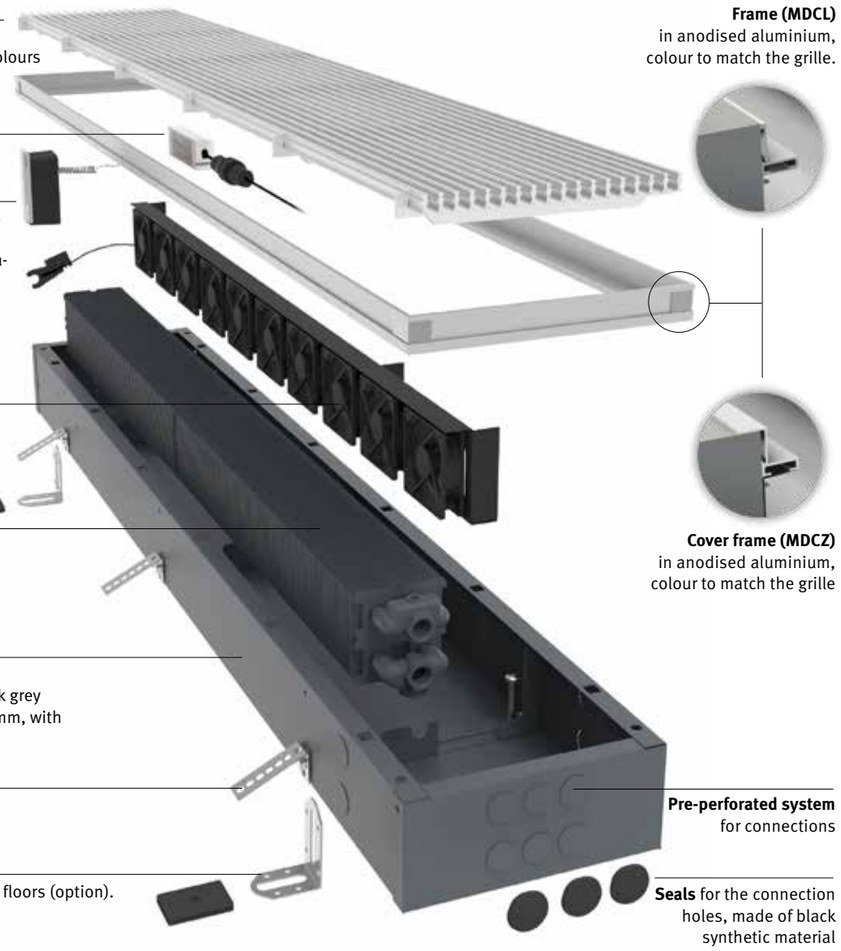
MINI CANAL DBE ▪ SUMMARY

PRODUCT SUMMARY

Building in-opening: height H + 10 mm, length L and width B + 5 mm!



COMPOSITION



Grille
a wide range of design types and colours in anodised aluminium, various wood finishes and stainless steel

Connection options
230 V/12 V

Pre-configured and assembled Jaga Dynamic Product Controller
Control with touch operation (indication by LED's) and sensor for water temperature.
Power supply 24 VDC

Pre-mounted DBE units

Low-H_2O heat exchanger
made of copper and aluminium, made "invisible" by a dark grey lacquer (RAL 7024)

Mini duct
from Sendzimir galvanised and dark grey lacquered steel plate; thickness 1 mm, with connection holes on all sides

Fixing straps
number depending on the length

Easy height adjustment for uneven floors (option). Provided with acoustic decoupling.

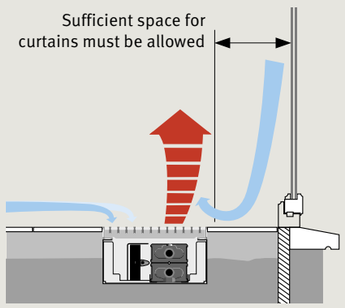
Frame (MDCL)
in anodised aluminium, colour to match the grille.

Cover frame (MDCZ)
in anodised aluminium, colour to match the grille

Pre-perforated system
for connections

Seals for the connection holes, made of black synthetic material

OPERATING PRINCIPLE



EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

⚠ Heat exchanger always on the window side !

CE 1387 CEBEC

COMPOSITION ▪ MINI CANAL DBE

ORDERING CODE

WITH FRAME (L-PROFILE)

code	height	length	width	grille
MDCL .	014	110	26	/XXX
				fill in grille code

WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MDCZ .	014	110	26	/XXX
				fill in grille code

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

NEW

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

INSTALLATION

The Mini Canal DBE is completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.
The cover frame allows the seam between the floor and the trench to be covered.

Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening .
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

HYDRAULIC CONNECTION

- The heat exchanger has to be connected at the left side of the duct. This can be done in several ways:
- to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).
- with manual valve in the duct.
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

STANDARD ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is preconfigured and assembled inside the device.

- indication of operating mode by LEDs
- control with touch operation and sensor for water temperature, preconfigured and assembled by Jaga
- power supply 12 VDC
- ventilator settings:
  - summer mode
  - heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
- 0-10 V input for building management system/thermostats / DPC.MD71

For more information contact Jaga
Phone: 011531 631 533
Email: jaga@jaga.co.uk
Website: www.jaga.co.uk

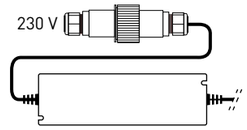


Touch operation — Product contoller

ELECTRIC CONNECTION

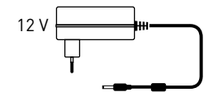
Connection always at the right side of de duct

Option VAC:
for connection to 230 VAC with waterproof power and cable gland in the duct.
Fill up ordering code with **/VAC**



CODE
MDCL.HHH LLL BB/XXX**/VAC**

Option VDC:
Plug-in wall power supply 230 VAC/12VDC.
Fill up ordering code with **/VDC**



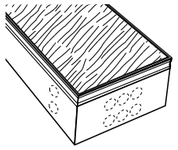
CODE
MDCL.HHH LLL BB/XXX**/VDC**

VALVES

See page 96.

MINI CANAL DBE · OPTIONS

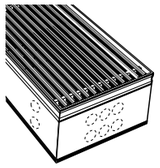
COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

	code	length	width
ORDERING CODE	7691.000	110	026

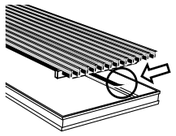
BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

	code	length	width
ORDERING CODE	7692.000	110	026

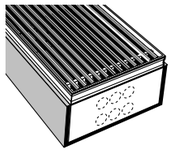
CONTACT STRIP



For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of rolls required according to the circumference of the frame: (B + L) x 2.

CODE	
7690.02	Roll 6 metre

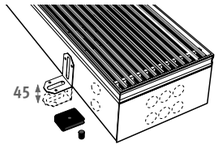
3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

	code	height	length	width
ORDERING CODE	7693.	014	110	026

HEIGHT CONTROL

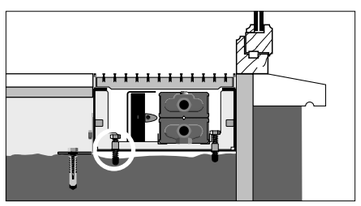


Simple height control for uneven sub-floors. Provided with acoustic decoupling.

CODE		
7690.01	height control	0 - 45 mm
7690.04	height control	45 - 130 mm

Recommended numbers for length:
1 set =

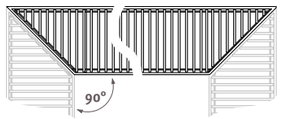
1100 mm	2 kits
1300 › 1900 mm	3 kits
2100 mm	4 kits
2300 › 3100 mm	5 kits

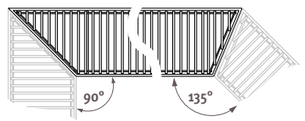


The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

CORNERS 135° OR 90°

For wooden and aluminium grilles.





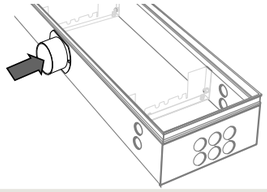
To order corner elements, please contact Jaga at: jaga@jaga.co.uk. Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

AIR REFRESHMENT

Mounted spigot connector for air supply channel

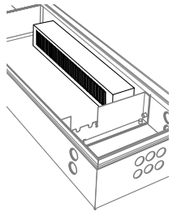


CODE	
/V1	1 spigot connection ø 80 mm
/V2	2 spigot connections ø 80 mm

Add **/V1** or **/V2** to the Mini Canal code.
Example: MDCL. 014 110 26 /XXX **/V1**

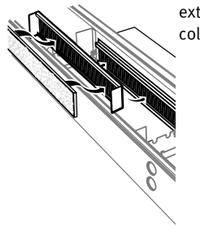
Other systems

Air refreshment system 2



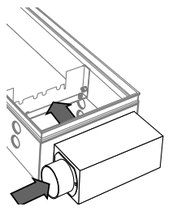
internal air supply collector

Air refreshment system 3



exterior air supply collector

Air refreshment system 4



air supply collector at headpiece

For more information see: www.jaga.co.uk

HEIGHT 190 · OUTPUT TABLES

Outputs in **medium mode**.
Other speeds: see www.jaga.co.uk
Grille codes: see overview p. 70

DIMENSIONS *(in mm)*

MINW.HHH LLL TT.XXX

	B 260			B 340			B 420		
L	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
mm	75/65	55/45	35/30	75/65	55/45	35/30	75/65	55/45	35/30
1100	1505	847	316	1944	1107	421	2279	1299	496
1300	1949	1097	410	2519	1434	546	2953	1684	643
1500	2379	1339	500	3076	1751	667	3607	2056	785
1700	2802	1577	589	3622	2062	785	4249	2423	925
1900	3228	1817	679	4171	2374	904	4897	2792	1066
2100	3285	1849	691	4247	2417	920	4990	2845	1086
2300	3658	2059	769	4772	2716	1034	5609	3198	1221
2500	4095	2305	861	5287	3009	1146	6217	3544	1353
2700	4491	2528	944	5794	3298	1256	6816	3886	1483
2900	4881	2748	1026	6295	3583	1364	7407	4223	1612
3100	5272	2968	1108	6793	3867	1472	7997	4559	1740

Output at 20°C room temperature.

TECHNICAL DATA

	ACTIVATORS	SOUND PRESSURE*			RATED INPUT			AIR FLOW		
		dB(A)			Watts			m³/h		
L	Number	max.*	med.*	min.*	max.	med.	min.	max.	med.	min.
1100	6	35.7	**30.0**	26.0	11.0	**9.4**	8.4	230	**190**	166
1300	8	37.0	**30.0**	26.0	14.7	**12.0**	10.8	306	**242**	212
1500	10	38.0	**30.0**	26.0	18.3	**14.6**	13.2	383	**293**	257
1700	12	38.8	**30.0**	26.0	22.0	**17.2**	15.5	460	**343**	301
1900	14	39.4	**30.0**	26.0	25.7	**19.7**	17.8	536	**391**	343
2100	14	39.4	**30.0**	26.0	25.7	**19.7**	17.8	536	**391**	343
2300	16	40.0	**30.0**	26.0	29.3	**22.2**	20.0	613	**438**	385
2500	18	40.5	**30.0**	26.0	33.0	**24.6**	22.2	689	**485**	426
2700	20	41.0	**30.0**	26.0	36.7	**27.0**	24.4	766	**531**	467
2900	22	38.1	**30.0**	26.0	36.8	**29.4**	26.5	757	**576**	506
3100	24	35.0	**30.0**	26.0	36.4	**31.8**	28.7	733	**621**	546

**** Noise measurement according to ISO 3741:2010 with an assumed room attenuation of 8 dB(A) / room volume 75 m³ / reverberation time 0.5 sec.***
Correction factors & pressure drop: see "Technical info" chapter

Tested at HLK Stuttgart according to new standard EN 16430:2015

VALVES





VALVES, TRV HEADS AND ACCESSORIES

OUR SPECIALLY SHORTENED VALVES CAN BE CONCEALED WITHIN THE STANDARD CASING. OTHER VALVES MAY BE PARTIALLY VISIBLE.

SLEEVE COUPLING M24

Copper Tube

CODE	Tube Ø
5094.110	10/1
5094.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.501	1/2”

Please note other couplings are available on request.

SLEEVE COUPLING 1/2”

Copper Tube

CODE	Tube Ø
5098.110	10/1
5098.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.502	1/2”

Please note other couplings are available on request.

ARTHRITIC AID



CODE
5090.ARTH

- Mini range - cannot be used with High Level valve set or Pro-valve.
- Knockonwood free standing - comes with own valves
- Play - comes with own valves
- All units under 350mm high cannot have the High Level Valve kit
- Building In range - To be discussed with Jaga Customer service team (Jaga valves do not have to be used)
- Trench Range - to be discussed with installer

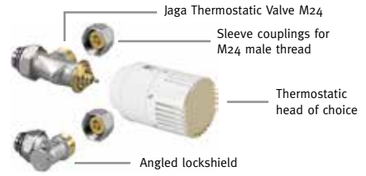
JAGA PRO THERMOSTATIC VALVE (not suitable for Mini H80mm)



- with pre-setting
- for connection to the floor
- for two pipe
- complies to European standard EN 215.1

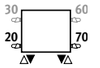
CODE	Description
5094.4414	Jaga Pro Thermostatic -Valve (M24)
5090.1125	Thermostatic Head (white)

JAGA THERMOSTATIC VALVE – WALL (not suitable for Mini H80mm)



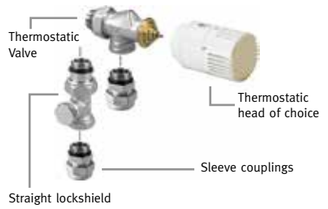
Consists of the following :
- 5090.407 type 06 angled TRV
- 5090.111 type 06 angled lockshield valve
- 5090.1125 white TRV head
- Adaptors to suit 15mm copper pipe as standard

To suit pipework to wall
(Same end 20/70 connections).



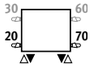
CODE	Description
5090.407	Jaga type 06 TRV (M24)
5090.111	Angled T06 Lockshield (M24)
5090.1125	TRV Head (white)

JAGA THERMOSTATIC VALVE – FLOOR (suitable for all Radiators)



Consists of the following :
- 5090.405 angled TRV
- 5090.109 straight lockshield valve
- 5090.1125 white TRV head
- Adaptors to suit 15mm copper pipe as standard

To suit pipework from the floor
(Same end 20/70 connections).



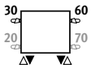
CODE	Description
5090.405	Jaga angled TRV (1/2”)
5090.109	Straight Lockshield (1/2”)
5090.1125	TRV Head (white)

HIGH LEVEL JAGA TOP VALVE (not suitable for Mini H80mm)



Consists of the following :
- 5090.13001 High Level TRV set (including valve, capillary & head)
- 5090.1125 white TRV head
- Adaptors to suit 15mm copper pipe as standard
- 5090.109 straight lockshield valve (floor connection) or 5090.110 angled lockshield valve (wall connection)

To suit pipework from the floor or wall
(Same end 30/60 connections).



CODE	Description
5090.13001	Jaga High Level TRV set (1/2”)
5090.110	Angled Lockshield (1/2”) (Wall)
5090.109	Straight Lockshield (1/2”) (Floor)

TRV HEADS



CODE	CODE	CODE	CODE
5090.1125	5090.1151	5090.1150	5090.1152

CODE	Description
5090.1150	White
5090.1151	Chrome
5090.1152	Silver
5090.1125	White

PANEL PLUS HORIZONTAL

ELEGANCE, SIMPLICITY AND POWER

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model starting at a height of 60mm! The robust design of the Panel Plus radiator with its hidden collectors provides an elegant simplicity that oozes quality.

jaga

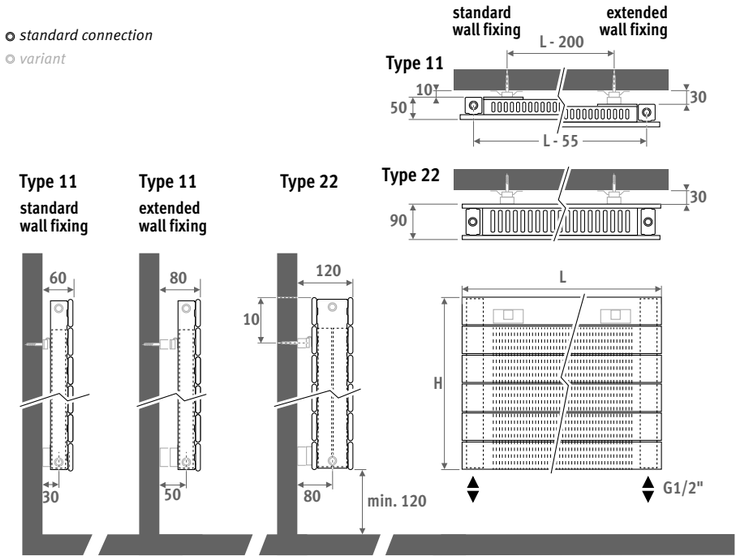


PRESENTING PANEL PLUS HORIZONTAL

PANEL PLUS HORIZONTAL

DIMENSIONS *(in mm)*

- *standard connection*
- *variant*



Vertical version: see p. 222.
Freestanding version: see p. 114.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

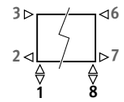
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Code:
1° number = flow
2° number = return

Standard connection:
Code 18, reversible 18 or 81



Other connections (no surcharge):

- side connection:
  one-sided: code 32 or 67 instead of 18
  cross-over: code 37 or 62 instead of 18
- single point connection: code 11 (left) or 88 (right) instead of 18.
  Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.

Horiztonal : pipe centres for horiztonal based on 1/8 connections. Length of radiator MINUS (-) 30mm. E.g. 1400mm long – 55mm = 1345mm pipe centres.

VALVES

See page 96.

HEIGHT 180-810 · OUTPUT TABLES

PPHW.HHH.LLL.TT.XXX/18/GR

L mm	HEIGHT 180 Type	Watts 75/65	Watts 55/45	HEIGHT 240 Type	Watts 75/65	Watts 55/45	HEIGHT 310 Type	Watts 75/65	Watts 55/45
600	N/A	N/A	N/A	11	285	151	11	334	177
	N/A	N/A	N/A	22	477	239	22	571	287
800	N/A	N/A	N/A	11	380	201	11	445	235
	N/A	N/A	N/A	22	636	319	22	761	382
1000	11	389	206	11	475	251	11	556	294
	22	626	314	22	794	399	22	951	477
1200	11	466	246	11	570	301	11	668	353
	22	751	377	22	953	478	22	1142	573
1400	11	544	288	11	665	352	11	779	412
	22	876	440	22	1112	558	22	1332	669
1600	11	622	329	11	760	402	11	890	470
	22	1001	503	22	1271	638	22	1522	764
1800	11	699	369	11	855	452	11	1001	529
	22	1126	565	22	1430	718	22	1713	860
2000	11	777	411	11	950	502	11	1113	588
	22	1252	629	22	1589	798	22	1903	955
2200	11	855	452	11	1045	552	11	1224	647
	22	1377	691	22	1748	878	22	2093	1051
2400	11	932	493	11	1140	603	11	1335	706
	22	1502	754	22	1907	957	22	2283	1146
2600	11	1010	534	11	1235	653	11	1446	764
	22	1627	817	22	2065	1037	22	2474	1242
2800	11	1088	575	11	1330	703	11	1558	824
	22	1752	880	22	2224	1117	22	2664	1337
3000	11	1166	616	11	1425	753	11	1669	882
	22	1877	942	22	2383	1196	22	2854	1433

L mm	HEIGHT 370 Type	Watts 75/65	Watts 55/45	HEIGHT 430 Type	Watts 75/65	Watts 55/45	HEIGHT 500 Type	Watts 75/65	Watts 55/45
600	11	380	201	11	425	225	11	468	247
	22	659	331	22	742	373	22	819	411
800	11	507	268	11	566	299	11	624	330
	22	879	441	22	989	497	22	1092	548
1000	11	633	335	11	708	374	11	780	412
	22	1098	551	22	1236	621	22	1365	685
1200	11	760	402	11	849	449	11	936	495
	22	1318	662	22	1483	745	22	1638	822
1400	11	887	469	11	991	524	11	1091	577
	22	1538	772	22	1730	869	22	1911	959
1600	11	1013	535	11	1132	598	11	1247	659
	22	1757	882	22	1978	993	22	2185	1097
1800	11	1140	603	11	1274	673	11	1403	742
	22	1977	993	22	2225	1117	22	2458	1234
2000	11	1267	670	11	1415	748	11	1559	824
	22	2197	1103	22	2472	1241	22	2731	1371
2200	11	1394	737	11	1557	823	11	1715	907
	22	2416	1213	22	2719	1365	22	3004	1508
2400	11	1520	803	11	1698	898	11	1871	989
	22	2636	1323	22	2966	1489	22	3277	1645
2600	11	1647	871	11	1840	973	11	2027	1071
	22	2856	1434	22	3214	1614	22	3550	1782
2800	11	1774	938	11	1981	1047	11	2183	1154
	22	3075	1544	22	3461	1738	22	3823	1919
3000	11	1900	1004	11	2123	1122	11	2339	1236
	22	3295	1654	22	3708	1862	22	4096	2056

EN442 output at 20°C room temperature

HEIGHT 180-810 · OUTPUT TABLES

PPHW.HHH.LLL.TT.XXX/18/GR

L mm	HEIGHT 560 Type	Watts 75/65	Watts 55/45	HEIGHT 690 Type	Watts 75/65	Watts 55/45	HEIGHT 810 Type	Watts 75/65	Watts 55/45
600	11	510	270	11	592	313	11	671	355
	22	892	448	22	1025	515	22	1143	574
800	11	680	359	11	789	417	11	895	473
	22	1190	597	22	1367	686	22	1524	765
1000	11	850	449	11	986	521	11	1119	591
	22	1487	747	22	1709	858	22	1905	957
1200	11	1020	539	11	1183	625	11	1342	709
	22	1784	896	22	2051	1030	22	2286	1148
1400	11	1190	629	11	1381	730	11	1566	827
	22	2082	1045	22	2392	1201	22	2667	1340
1600	11	1360	719	11	1578	834	11	1790	946
	22	2379	1194	22	2734	1373	22	3048	1531
1800	11	1530	809	11	1775	938	11	2013	1064
	22	2676	1343	22	3076	1544	22	3430	1723
2000	11	1700	899	11	1972	1042	11	2237	1182
	22	2974	1493	22	3418	1716	22	3811	1914
2200	11	1870	988	11	2169	1146	11	2461	1300
	22	3271	1642	22	3760	1888	22	4192	2106
2400	11	2040	1078	11	2367	1251	11	2684	1418
	22	3569	1792	22	4101	2059	22	4573	2297
2600	11	2210	1168	11	2564	1355	11	2908	1536
	22	3866	1941	22	4443	2231	22	4954	2488
2800	11	2380	1258	11	2761	1459	11	3132	1655
	22	4163	2090	22	4785	2402	22	5335	2680
3000	11	2549	1347	11	2958	1563	11	3356	1773
	22	4461	2240	22	5127	2574	22	5716	2871

EN442 output at 20°C room temperature

Panel Plus is available from 60mm high up to 940 mm, see: www.jaga.co.uk

DECO PANEL HORIZONTAL

STRIKING AND TIMELESS

Versatile connection options make placement and installation easy.

The Deco range of column radiators offers a huge range of elegant options. The Deco doesn't just offer excellent outputs to heat any space, but also a number of useful and attractive accessories, such as towel rails and hat-racks.

jaga

PRESENTING DECO PANEL HORIZONTAL

AWAKE THE ARTIST

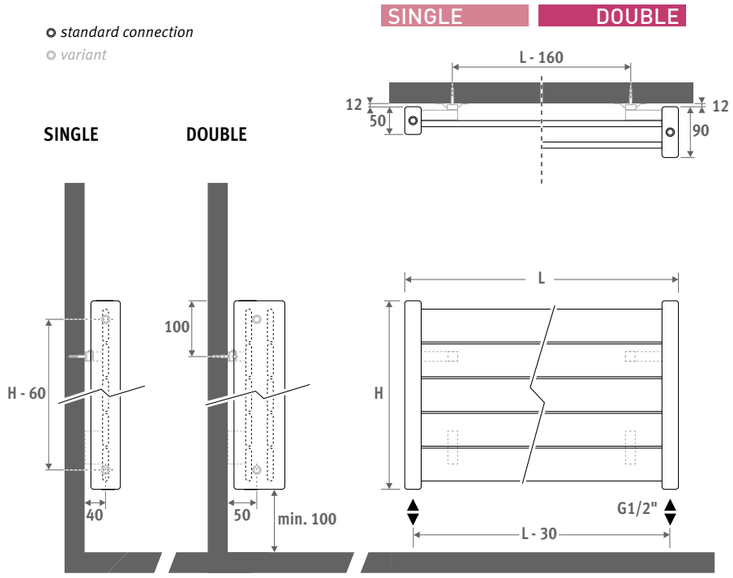


DECO PANEL HORIZONTAL

DIMENSIONS *(in mm)*

standard connection
variant

SINGLE DOUBLE



Also available as vertical version.
See page 162.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

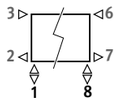
COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.
Standard colours:
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart

CONNECTION

Standard connection:
Code 18, reversible 18 or 81



Other connections (no surcharge):
- side connection:
  one-sided: code 32 or 67 instead of 18
  cross-over: code 37 or 62 instead of 18
- single point connection: code 11 (left) or 88 (right) instead of 18.
  Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.

Horiztonal : pipe centres for horiztonal based on 1/8 connections. Length of radiator MINUS (-) 30mm. E.g. 1400mm long – 30mm = 1370mm pipe centres.

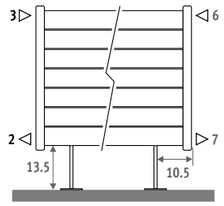
VALVES

See page 96.

FREESTANDING MODEL

Height max. 470mm.
Delivery:
- up to 2200mm long: 2 feet
- from 2400mm long: 3 feet

Recommended connection set:
31 or 33, with connection 27/72.



SINGLE PHSF.HHHLLL.XXX/**32** or **67**
DOUBLE PHDF.HHHLLL.XXX/**27, 72, 32** or **67**

Length radiator	
1000 › 2200	2 feet
2400 › 3000	3 feet

Deco Panel Horizontal is available from height 280mm up to 970mm and length 1000mm up to 3000mm. See: www.jaga.co.uk

HEIGHT 280-780 ▪ OUTPUT TABLES

PSHW.HHH.LLL.TT.XXX/18/GR

L mm	HEIGHT 280 SINGLE Watts 75/65	Watts 55/45
1000	270	135
1200	324	162
1400	378	189
1600	432	217
1800	486	244
2000	540	271
2400	648	325
2800	756	379

L mm	HEIGHT 340 SINGLE Watts 75/65	Watts 55/45
1000	344	173
1200	413	208
1400	481	242
1600	550	276
1800	619	311
2000	688	346
2400	825	415
2800	963	484

L mm	HEIGHT 400 SINGLE Watts 75/65	Watts 55/45
1000	418	210
1200	501	252
1400	585	295
1600	668	336
1800	752	379
2000	835	420
2400	1002	505
2800	1170	589

L mm	HEIGHT 530 SINGLE Watts 75/65	Watts 55/45
1000	563	285
1200	676	342
1400	789	399
1600	901	456
1800	1014	513
2000	1127	570
2400	1352	684
2800	1577	798

L mm	HEIGHT 660 SINGLE Watts 75/65	Watts 55/45
1000	705	358
1200	846	430
1400	987	502
1600	1128	574
1800	1268	645
2000	1409	716
2400	1691	860
2800	1973	1003

L mm	HEIGHT 780 SINGLE Watts 75/65	Watts 55/45
1000	841	430
1200	1009	515
1400	1177	601
1600	1345	687
1800	1513	773
2000	1681	859
2400	2017	1030
2800	2354	1202

PDHW.HHH.LLL.TT.XXX/18/GR

L mm	HEIGHT 280 DOUBLE Watts 75/65	Watts 55/45
1000	526	270
1200	632	325
1400	737	379
1600	842	433
1800	948	487
2000	1053	541
2400	1264	650
2800	1474	758

L mm	HEIGHT 340 DOUBLE Watts 75/65	Watts 55/45
1000	644	331
1200	772	397
1400	901	464
1600	1030	530
1800	1158	596
2000	1287	662
2400	1544	794
2800	1802	927

L mm	HEIGHT 400 DOUBLE Watts 75/65	Watts 55/45
1000	757	390
1200	909	468
1400	1060	546
1600	1212	624
1800	1363	702
2000	1515	780
2400	1818	936
2800	2121	1092

L mm	HEIGHT 530 DOUBLE Watts 75/65	Watts 55/45
1000	978	504
1200	1173	605
1400	1369	706
1600	1564	806
1800	1760	907
2000	1955	1008
2400	2346	1209
2800	2737	1411

L mm	HEIGHT 660 DOUBLE Watts 75/65	Watts 55/45
1000	1189	614
1200	1426	736
1400	1664	859
1600	1902	982
1800	2139	1104
2000	2377	1227
2400	2852	1472
2800	3328	1717

L mm	HEIGHT 780 DOUBLE Watts 75/65	Watts 55/45
1000	1392	719
1200	1670	863
1400	1948	1007
1600	2227	1151
1800	2505	1295
2000	2783	1438
2400	3340	1726
2800	3897	2014

EN442 output at 20°C room temperature

GEO HORIZONTAL

THE STONE COMFORT ZONE WITH A LOW-H_2O HEAT EXCHANGER

Geo is a warm rock, made out of granulated natural stone: a composition of mineral materials. The cosy warmth of a tiled stove in a modern design. The horizontal version combines the warm natural stone granulate with revolutionary Low-H_2O technology.

The combination of classic design with mineral materials and Low-H_2O technology makes this radiator into a unique product: form and function in perfect harmony.



jaga

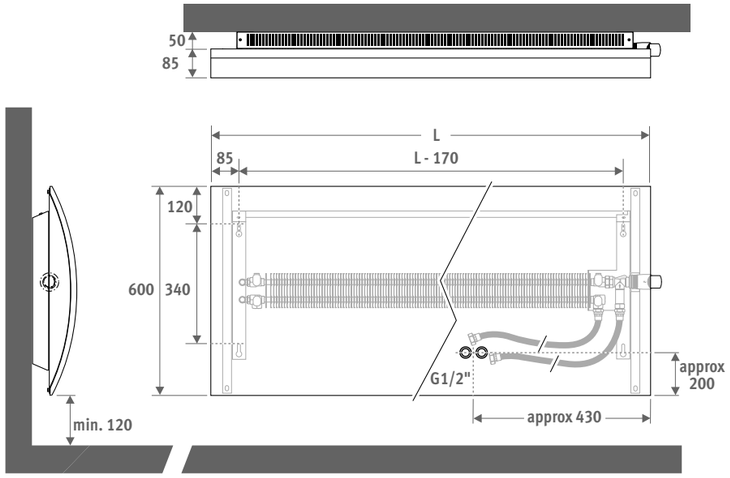
PRESENTING GEO HORIZONTAL





GEO HORIZONTAL

DIMENSIONS *(in mm)*



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Standard colours:
gloss polished granulated natural stone.



603 black



604 sand

Other colours:

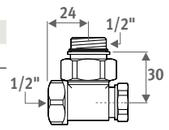


613 matt bLack

OPTION

Lockshield 1/2" 90°

CODE
5090.110



HEIGHT 600 · OUTPUT TABLE

GEHW.060.100.XXX

	HEIGHT 600 SINGLE	
L	**Watts**	**Watts**
mm	**75/65**	**55/45**
1000	1099	544
1200	1375	685
1400	1652	828
1600	1924	969
1800	2191	1110

EN442 output at 20°C room temperature

Valves with hoses included.

PANEL PLUS FREESTANDING

ELEGANCE, SIMPLICITY AND POWER

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The sober design with a top grille included gives the Panel Plus an understated quality. Panel Plus is a super compact and solid freestanding solution but is also available as a horizontal or vertical wall radiator.

jaga

PRESENTING PANEL PLUS FREESTANDING



PANEL PLUS FREESTANDING

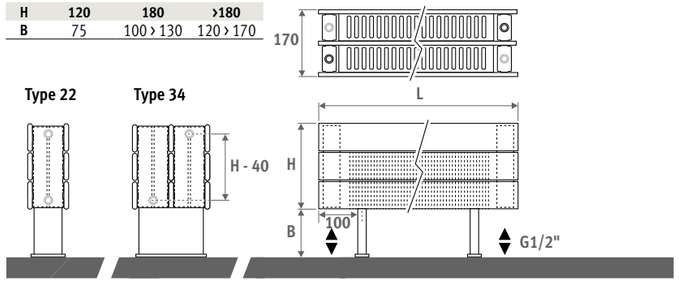
DIMENSIONS *(in mm)*

PANEL PLUS FREESTANDING

standard connection
variant



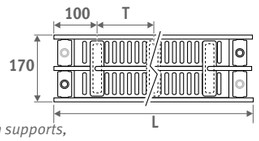
H	120	180	>180
B	75	100 › 130	120 › 170

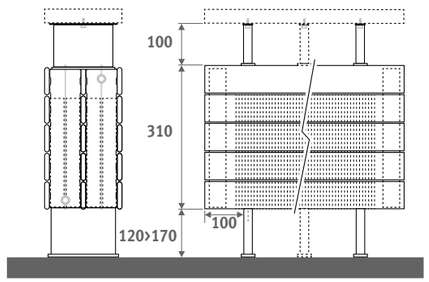


BENCH RADIATOR

L	T	S*	V*
1200	99.0	2	2
1600	69.5	3	2
2000	89.5	3	2
2400	109.5	3	3
2800	86.5	4	3

** S = number of bench supports,*
V = number of feet





Horizontal version: see p. 100.
Vertical version: see p. 154.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

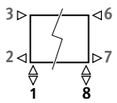
COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.
Standard colours:
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Code:
1° number = flow
2° number = return



Standard connection:
Code 18, reversible 18 or 81

Other connections (no surcharge):
- side connection:
  one-sided: code 32 or 67 instead of 18
  cross-over: code 37 or 62 instead of 18
- single point connection: code 11 (left) or 88 (right) instead of 18.
  Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.

VALVES

See page 96.

HEIGHT 180-310 · OUTPUT TABLES

PPHF.HHH.LLL.TT.XXX/18/GR

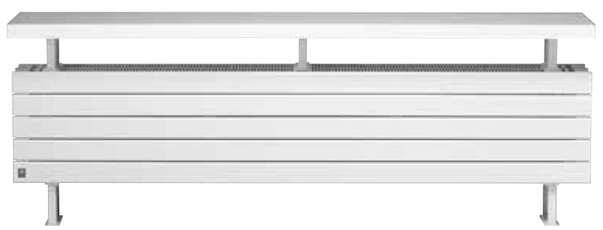
L	HEIGHT 180 Type	HEIGHT 180 Watts 75/65	HEIGHT 180 Watts 55/45	HEIGHT 240 Type	HEIGHT 240 Watts 75/65	HEIGHT 240 Watts 55/45	HEIGHT 310 Type	HEIGHT 310 Watts 75/65	HEIGHT 310 Watts 55/45
mm									
600	N/A	N/A	N/A	22	477	239	22	571	287
	N/A	N/A	N/A	34	875	417	34	1018	485
800	N/A	N/A	N/A	22	636	319	22	761	382
	N/A	N/A	N/A	34	1166	555	34	1357	647
1000	22	626	314	22	794	399	22	951	477
	34	1140	543	34	1458	694	34	1697	809
1200	22	751	377	22	953	478	22	1142	573
	34	1369	652	34	1749	833	34	2036	970
1400	22	876	440	22	1112	558	22	1332	669
	34	1597	761	34	2041	972	34	2375	1132
1600	22	1001	503	22	1271	638	22	1522	764
	34	1825	869	34	2332	1111	34	2715	1294
1800	22	1126	565	22	1430	718	22	1713	860
	34	2053	978	34	2624	1250	34	3054	1455
2000	22	1252	629	22	1589	798	22	1903	955
	34	2281	1086	34	2915	1388	34	3393	1617
2200	22	1377	691	22	1748	878	22	2093	1051
	34	2509	1195	34	3207	1527	34	3733	1779
2400	22	1502	754	22	1907	957	22	2283	1146
	34	2737	1304	34	3498	1666	34	4072	1940
2600	22	1627	817	22	2065	1037	22	2474	1242
	34	2965	1412	34	3790	1805	34	4411	2102
2800	22	1752	880	22	2224	1117	22	2664	1337
	34	3193	1521	34	4081	1944	34	4751	2264
3000	22	1877	942	22	2383	1196	22	2854	1433
	34	3421	1629	34	4373	2083	34	5090	2426

EN442 output at 20°C room temperature

Panel Plus freestanding is available from height 60 mm up to 310 mm and length 600 mm up to 4600 mm. See: www.jaga.co.uk

PANEL PLUS BENCH RADIATOR · OUTPUT TABLE

Bench not included



PPHF.031.LLL.34.XXX/18/BE

L	HEIGHT 310 Type	HEIGHT 310 Watts 75/65	HEIGHT 310 Watts 55/45
mm			
1200	34	2199	1158
1600	34	2932	1544
2000	34	3665	1929
2400	34	4398	2315
2800	34	5131	2701

Bench not included

EN442 output at 20°C room temperature

HEATWAVE

PLAYFUL CURVES OUT OF A CONCRETE SHELL

This gorgeous sculptured piece hangs on your wall like a work of art, drawing all eyes to it... This intriguing radiator is the first to unite the fine details of art and pure craftsmanship with industrial efficiency. The playful, sensuous curls form a deliberate contrast with their intractable concrete shell.

Design by Joris Laarman.

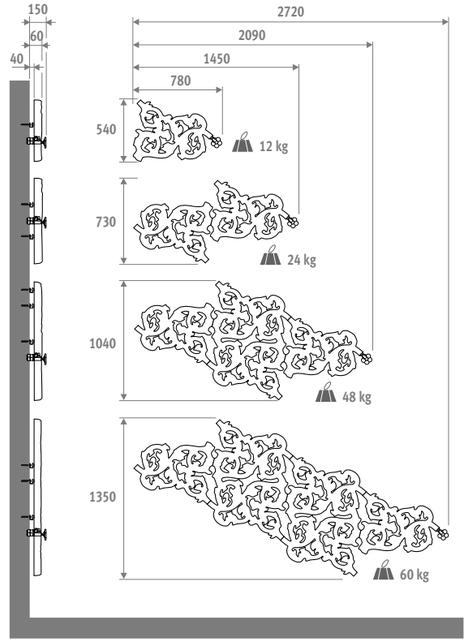
jaga

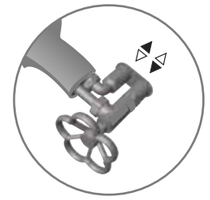
BUILDING BRIDGES

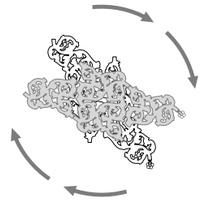
PRESENTING HEATWAVE



DIMENSIONS *(in mm)*







The Heatwave can be mounted in any orientation through 360°.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Standard colours:



623 matt black



628 stone grey

Other colours: RAL range on demand.

CONNECTIONS

The design of the Heatwave is such that an air vent is not fitted to the radiator itself.

PLEASE NOTE!
The Heatwave does not come with an air vent. The design of the Heatwave is such that an air vent is not fitted to the radiator itself. Venting is to be done through the central heating system.

NOTE : The Heatwave must NOT be the highest point of the central heating system.

EN 442 EUROPEAN NORM

OUTPUT TABLE

HEAW.001.OS.XXX

HEIGHT 310		
Model	**Watts 75/65**	**Watts 55/45**
0S	232	126
0M	430	236
0L	820	449
XL	1255	709

EN442 output at 20°C room temperature

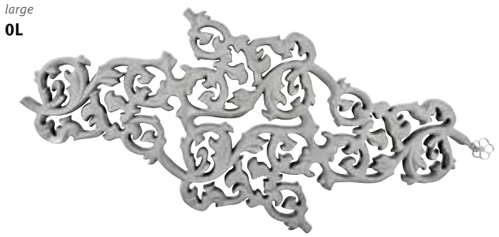
small
0S



medium
0M



large
0L



extra-large
XL



VERTIGA

THE NEW BENCHMARK FOR DESIGN AT SUPER-LOW WATER TEMPERATURES

The ultimate expression of form and function. Vertiga combines the power of Jaga Top Performers, the efficiency of Jaga Energy Savers, and the design of Jaga Eyecatchers.

Vertiga is a completely new type of low water temperature radiator for heat pumps and modulating condensing boilers. Two dynamic heat exchangers with horizontal air flow achieve ultra high power even at super-low water temperatures.

Due to its low thermal mass and the ultraconductive materials, Jaga's Low-H_2O technology is much easier to regulate and is proven to be much more energy efficient. Primo, Kirei, Dunes, Glow: no other radiator gives you as much choice in materials and in design.

jaga

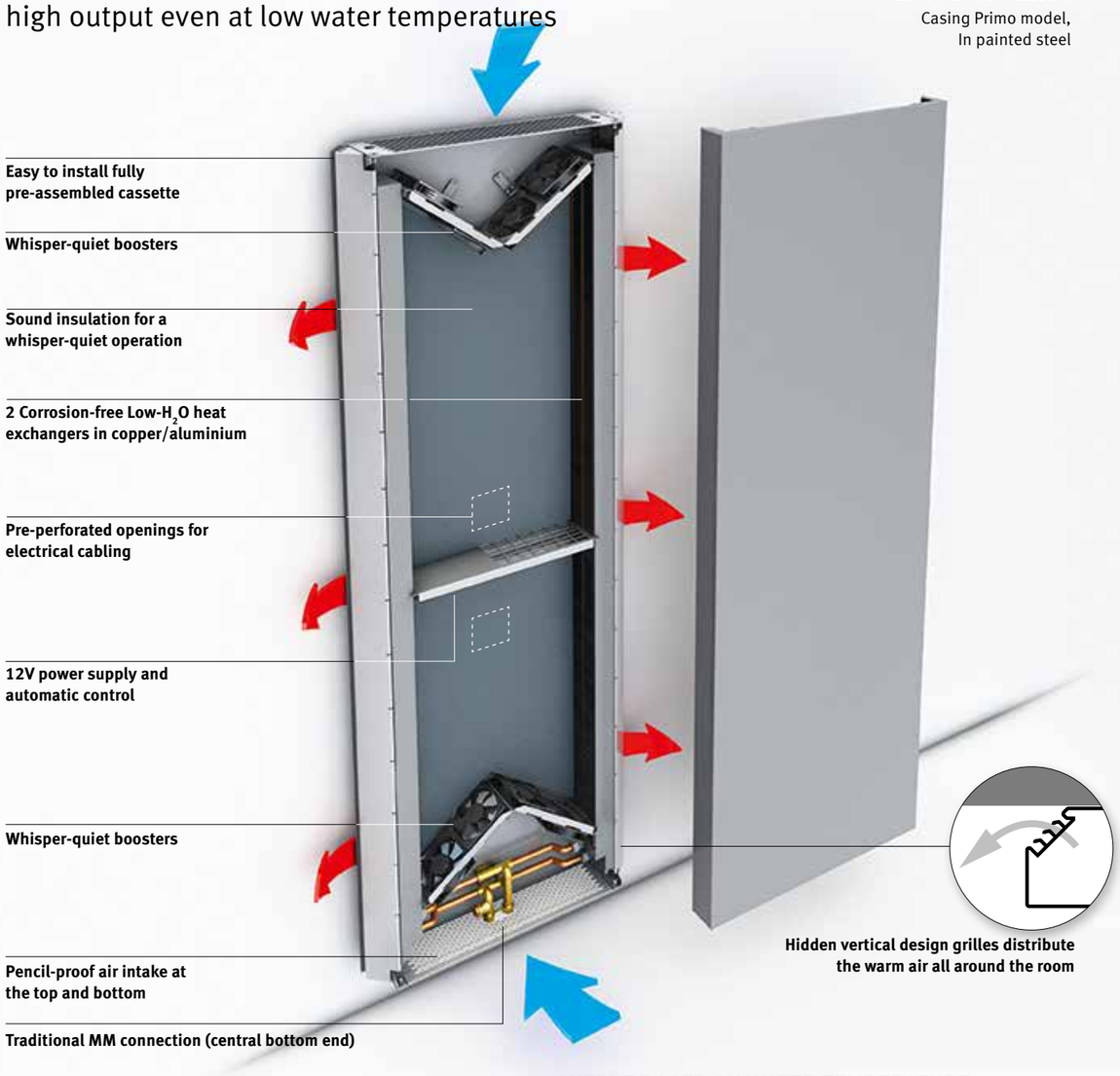


PRESENTING VERTIGA

THE TOP PERFORMER FACTOR

Brand new Dynamic vertical radiator system for high output even at low water temperatures

VERTIGA **PRIMO**
Casing Primo model,
In painted steel



UNIQUE DESIGN PERFORMANCE

Perfect warm-up of the room through horizontal heat distribution across the complete height of the radiator

9x faster warm-up

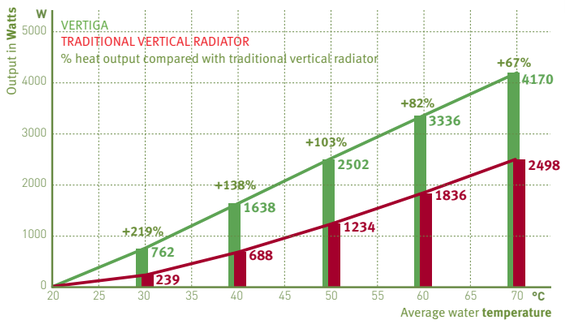
Very high power even at super-low water temperatures

10 to 30% energy savings compared with under floor heating or heavy steel radiators

Fully automatic operation driven by water temperature sensors

OUTPUT BASED ON WATER TEMPERATURE

Comparing Vertiga and a traditional vertical radiator of the same size
Sound pressure Vertiga max. 28 db(A)(in medium mode).



THE EYECATCHER FACTOR

VERTIGA **DUNES**



The shadow effect of swirling sand in desert dunes was the inspiration for these artistically milled panels. A 'mirage' of lines that give extra depth to your interior. Air flows and mirages that continue to enchant your space.



VERTIGA **KIREI**



Kirei: the Japanese character for 'pure' and 'beautiful'. A suitable name for a panel consisting entirely of natural materials. Kirei is also the inedible part of soya. The material that used to be thrown away after the soya harvest now has new lease of life in this radiator. The result an organic radiator with natural shading that brings warmth, character and life to every wall.



VERTIGA **GLOW**



The monolithic glow of black or high-gloss white. The Vertigo Glow reflects the space in its super high gloss finish. This brand new material has the depth of piano lacquer. An icon of simplicity and style.





VERTIGA **PRIMO**

Basic version with lacquered metal casing. Standard in white (133) or sandblast grey (001). Simple and elegant.

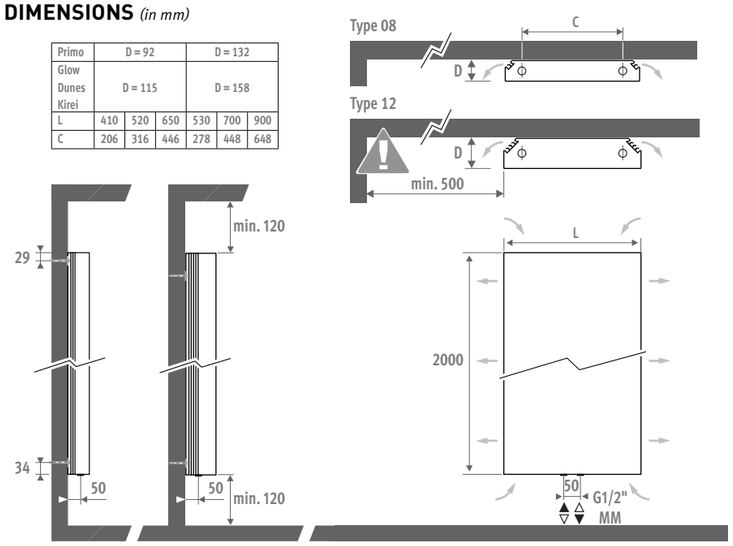
Other colours: see Jaga colour chart.
Only available in soft touch (code 1..), smooth satin (code 3..) and special colours.
Not available in smooth glossy (code 2..).

<< PRIMO side view on the rear vertical design grille.

VERTIGA

DIMENSIONS *(in mm)*

Primo	D = 92			D = 132		
Glow Dunes Kirei	D = 115			D = 158		
L	410	520	650	530	700	900
C	206	316	446	278	448	648



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Primo

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.
Only available in soft touch (code 1..), smooth satin (code 3..) and special colours.
Not available in smooth glossy (code 2..).

Glow

Casing in super high-gloss HPL plate with piano lacquer effect.
Materials for 1st maintenance included.
Colours:

- white: code WHI
- black: code BLA

Kirei

Casing from "Kirei", protected with a water-based parquet varnish extra matt, natural effect (gloss level ‹10%).
Wall casing in sandblast grey metallic (001).

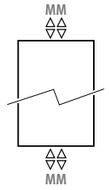
Dunes

Casing in milled MDF with matt lacquer in fine sand structure.
Colour white: code N01

HYDRAULIC CONNECTION

Standard connection:
central connection MM below or on top, flow left or right.

Top connection:
the radiator is symmetrical and can be mounted either way up. Provide an air vent on the central heating pipework above the radiator.



ELECTRIC CONNECTION

Equipped with pre-perforated openings and 230 VAC clamp connector.

3-SPEED CONTROL

User friendly operation with three power positions and LED indication, mounted on the side of the Vertiga



VALVES

See page 182.

ORDERING CODE

code	*height*	*length*	*type*	*colour*	*conn.*
VERW.	**200**	**041**	**08**	**/XXX**	**/MM**

Primo **PRI/XXX**
Glow **GLO/XXX**
Kirei **KIR**
Dunes **DUN/XXX**

HEIGHT 2000 · OUTPUT TABLES

V200 LLL TT/XXX/MM

L		Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30/20°C		
mm	Type	Max.	Med.	Min.	Max.	Med.	Min.	Max.	Med.	Min.
410	08	1620	1449	1315	963	861	781	400	357	324
520	08	2289	1633	1428	1361	971	849	565	403	352
650	08	3042	1872	1641	1808	1113	975	750	462	405
530	12	2925	2374	2054	1738	1411	1221	721	585	507
700	12	4362	3808	2941	2593	2263	1748	1076	939	725
900	12	5605	4758	3461	3332	2828	2057	1382	1173	854

Output at 20°C room temperature

Correction factors and Pressure Drops see pages 252 - 257

TECHNICAL DATA FOR ALL MODELS

L	Sound Pressure dB(A)		
mm	Max.	Med.	Min.
410	32.6	**28.0**	25.0
520	37.2	**28.0**	25.0
650	39.3	**28.0**	25.0
530	27.9	**26.3**	25.0
700	29.8	**28.0**	25.0
900	32.3	**28.0**	25.0

IGUANA CIRCO WALL

A CHILD'S DRAWING OF THE SUN

Inspired by a child's drawing, the Iguana Circo is an interpretation of the brightly shining sun, transformed into a fully functional work of art. Iguana has the essential, natural yet light hearted touch that creates a feeling of real warmth in its modern design. It's heating straight from the soul. Iguana Circo was the first "sun radiator". Available as a wall model, freestanding or to assemble around architectural columns.

design award winner

ISH 1999 DESIGN PLUS

jaga

PRESENTING IGUANA CIRCO WALL

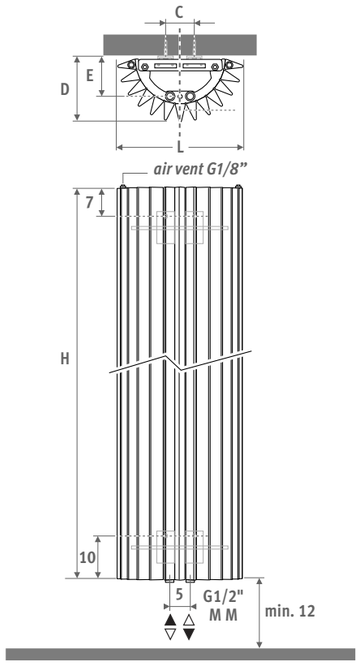


AWAKE THE ARTIST

IGUANA CIRCO WALL

EN 442 EURONORM 75/65 55/45

DIMENSIONS *(in mm)*



L	C	D	E
278	74	142	77
313	108	157	96
348	144	177	115

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

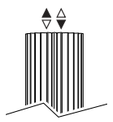
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Top connection:
specify code 45 or 54 instead of MM (1° number is flow).
No insert pipe should be ordered. Provide an air vent on the central heating pipework.



VALVES

See page 182.

OUTPUT TABLES

CIRW.180.027.XXX.MM

L mm	HEIGHT 1800 Watts 75/65	Watts 55/45
270	801	385
310	946	454
340	1092	524

L mm	HEIGHT 1920 Watts 75/65	Watts 55/45
270	854	414
310	1009	489
340	1164	564

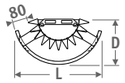
L mm	HEIGHT 2000 Watts 75/65	Watts 55/45
270	887	433
310	1048	511
340	1209	590

L mm	HEIGHT 2200 Watts 75/65	Watts 55/45
270	961	476
310	1136	563
340	1311	649

L mm	HEIGHT 2400 Watts 75/65	Watts 55/45
270	1024	515
310	1210	609
340	1397	703

OPTIONS

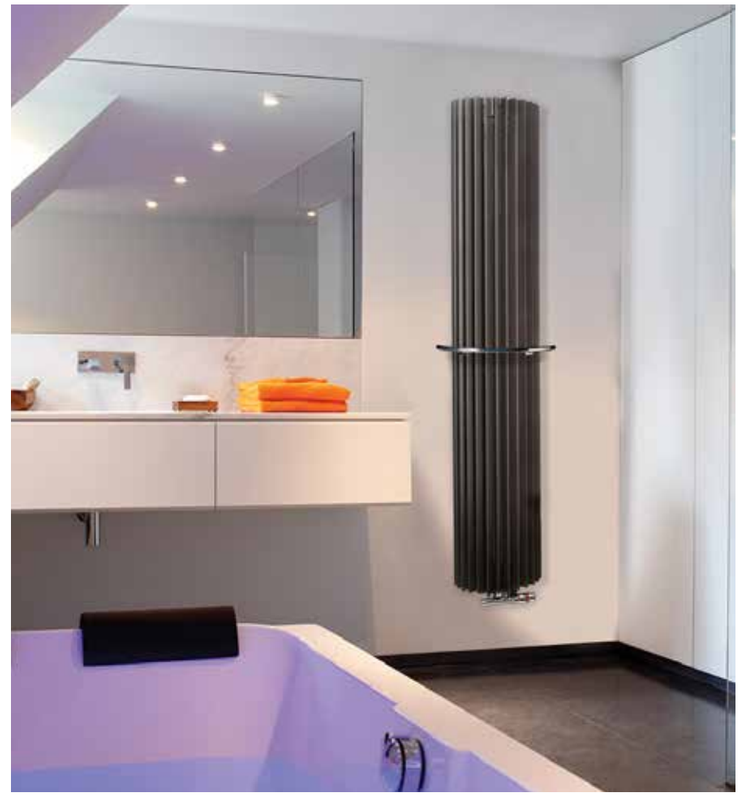
Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L rad.	L	D
Towel rail			
9087.013427	ø 270	430	220
9087.013427	ø 310	430	220
9087.013493	ø 340	490	250
Hat rack			
9087.014427	ø 270	430	220
9087.014427	ø 310	430	220
9087.014493	ø 340	490	250

IGUANA WITH TOWEL RAIL:
combines functionality with a high heat efficiency.









IGUANA APLANO

WARMTH WITH A SYMBOLIC VALUE

Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Aplano the slim triangular radiant pipes are placed alongside each other in a flat plane.

Elegant simplicity with a frivolous touch. Also available as "Plus" version for low flow temperatures or increased output.

design award winner

ISH 1999 DESIGN PLUS

jaga

CREATE EMOTION

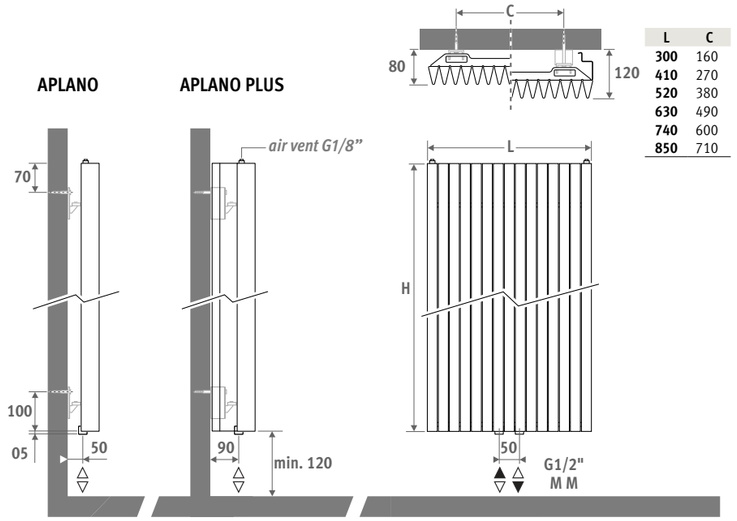
PRESENTING IGUANA APLANO



IGUANA APLANO

DIMENSIONS *(in mm)*

APLANO | APLANO PLUS



L	C
300	160
410	270
520	380
630	490
740	600
850	710

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

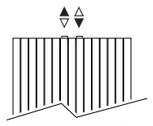
Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Top connection:
specify code 45 or 54 instead of MM (1° number is flow).



VALVES

See page 182.

OPTIONS

Towel rail / hat rack in chrome-plated aluminium

Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator
Towel rail		
9087.033560	560	410-520-630-740-850
9087.033660	660	630-740-850



CODE	L	L radiator
Hat rack		
9087.034560	560	410-520-630-740-850
9087.034660	660	630-740-850



EN 442 | EUROPEAN NORM | 75/65 | 55/45

Iguana+ COLLECTION

40% more warmth

HEIGHT 1800-2400 · OUTPUT TABLES

APLW.HHH.LLL.XXX/MM

L mm	HEIGHT 1800 APLANO Watts 75/65	Watts 55/45
300	700	352
410	954	480
520	1208	608
630	1463	736
740	1717	864
850	1972	992

L mm	HEIGHT 1920 APLANO Watts 75/65	Watts 55/45
300	733	369
410	999	503
520	1265	637
630	1532	772
740	1798	906
850	2065	1040

L mm	HEIGHT 2000 APLANO Watts 75/65	Watts 55/45
300	754	380
410	1028	519
520	1302	657
630	1576	795
740	1850	934
850	2124	1072

L mm	HEIGHT 2200 APLANO Watts 75/65	Watts 55/45
300	804	407
410	1097	555
520	1389	703
630	1681	850
740	1974	999
850	2266	1146

L mm	HEIGHT 2400 APLANO Watts 75/65	Watts 55/45
300	851	432
410	1161	589
520	1471	746
630	1780	903
740	2090	1061
850	2399	1217

APPW.HHH,LLL.XXX/MM

L mm	HEIGHT 1800 APLANO PLUS Watts 75/65	Watts 55/45
300	964	465
410	1314	634
520	1664	802
630	2015	972
740	2365	1140
830	2716	1310

L mm	HEIGHT 1920 APLANO PLUS Watts 75/65	Watts 55/45
300	997	480
410	1359	655
520	1721	829
630	2084	1004
740	2446	1179
830	2809	1354

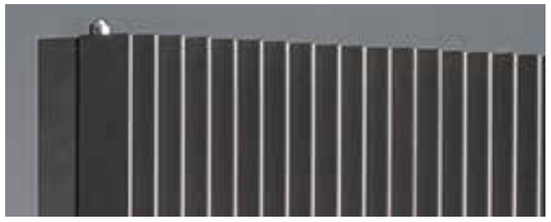
L mm	HEIGHT 2000 APLANO PLUS Watts 75/65	Watts 55/45
300	1018	491
410	1388	669
520	1758	847
630	2128	1026
740	2498	1204
830	2868	1382

L mm	HEIGHT 2200 APLANO PLUS Watts 75/65	Watts 55/45
300	1070	515
410	1460	703
520	1849	891
630	2238	1078
740	2627	1265
830	3016	1453

L mm	HEIGHT 2400 APLANO PLUS Watts 75/65	Watts 55/45
300	1121	539
410	1529	736
520	1936	932
630	2344	1128
740	2751	1324
850	3159	1520

EN442 output at 20°C room temperature





IGUANA ARCO & VISIO

WARMTH WITH A SYMBOLIC VALUE

Inspired by a child’s drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Arco and Visio the slim triangular radiant pipes are built with a slight curve, giving the Iguana a new look from any angle.

The Iguana Visio’s many functions have been expanded by the addition of a mirror. Perfect for halls or bedrooms.

Also available as “Plus” version for low flow temperatures.

design award winner

ISH 1999 DESIGN PLUS

jaga

PRESENTING IGUANA ARCO & VISIO

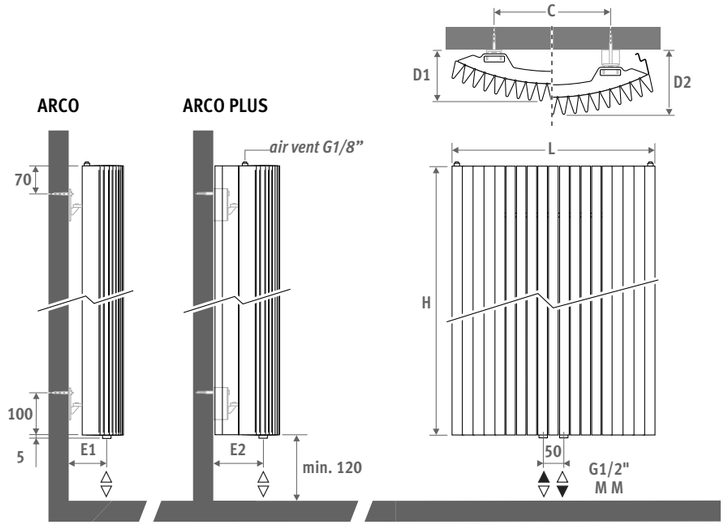


IGUANA ARCO

EN 442 EUROPEAN NORM 75/65 55/45

DIMENSIONS *(in mm)*

ARCO | ARCO PLUS



L	C	D1	D2	E1	E2
298	100	101	141	41	81
410	200	111	161	51	101
519	300	127	177	67	117
625	400	122	172	62	112
733	500	137	187	77	127
839	600	157	207	97	147

Iguana+ COLLECTION

40% more warmth

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

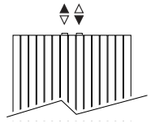
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Top connection:
specify code 45 or 54 instead of MM (first number is flow).
No insert pipe should be ordered. Provide an air vent on the central heating pipework.

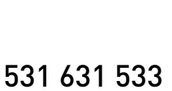


VALVES

See page 182.

OPTIONS

Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator
Towel rail		
9087.023550	550	410-510
9087.023656	660	620-730-830



IGUANA WITH TOWEL RAIL:
combines functionality with a high heat efficiency.

CODE	L	L radiator
Hat rack		
9087.024550	550	410-510
9087.024656	660	620-730-830



HEIGHT 1800-2400 · OUTPUT TABLES

ARCW.HHH.LLL.XXX/MM

L mm	HEIGHT 1800 ARCO Watts 75/65	Watts 55/45
290	791	397
410	1079	542
510	1366	686
620	1654	831
730	1941	975
830	2229	1120

L mm	HEIGHT 1920 ARCO Watts 75/65	Watts 55/45
290	813	409
410	1109	558
510	404	707
620	1700	856
730	1995	1004
830	2291	1153

L mm	HEIGHT 2000 ARCO Watts 75/65	Watts 55/45
290	826	416
410	1127	568
510	1427	719
620	1727	871
730	2028	1022
830	2328	1174

L mm	HEIGHT 2200 ARCO Watts 75/65	Watts 55/45
290	858	434
410	1170	592
510	1482	750
620	1794	908
730	2106	1065
830	2418	1223

L mm	HEIGHT 2400 ARCO Watts 75/65	Watts 55/45
290	886	450
410	1208	613
510	1530	776
620	1852	940
730	2174	1103
830	2496	1267

ARPW.HHH.LLL.XXX/MM

L mm	HEIGHT 1800 ARCO PLUS Watts 75/65	Watts 55/45
290	999	496
410	1362	676
510	1725	856
620	2088	1036
730	2452	1217
830	2815	1397

L mm	HEIGHT 1920 ARCO PLUS Watts 75/65	Watts 55/45
290	1046	521
410	1427	710
510	1807	899
620	2187	1088
730	2568	1278
830	2948	1467

L mm	HEIGHT 2000 ARCO PLUS Watts 75/65	Watts 55/45
290	1076	537
410	1467	732
510	1858	927
620	2249	1122
730	2641	1317
830	3032	1512

L mm	HEIGHT 2200 ARCO PLUS Watts 75/65	Watts 55/45
290	1146	574
410	1563	783
510	1980	992
620	2397	1201
730	2813	1409
830	3230	1618

L mm	HEIGHT 2400 ARCO PLUS Watts 75/65	Watts 55/45
290	1210	609
410	1650	830
510	2090	1052
620	2530	1273
730	2970	1495
830	3410	1716

EN442 output at 20°C room temperature

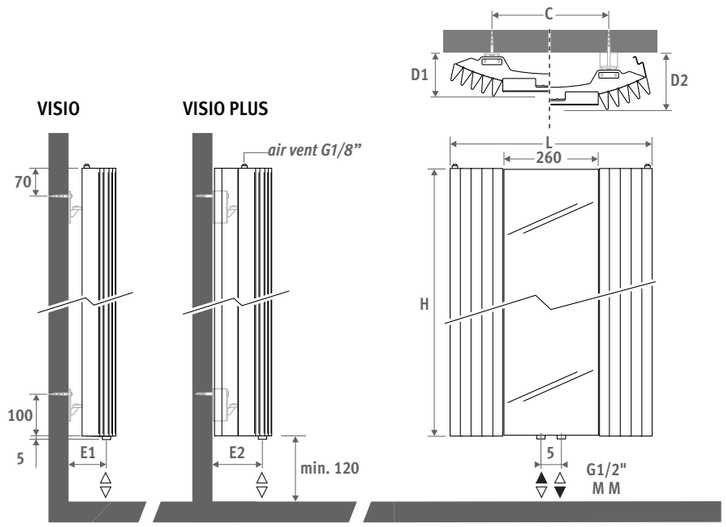




IGUANA VISIO

DIMENSIONS *(in mm)*

VISIO | VISIO PLUS



L	C	D1	D2	E1	E2
519	300	105	155	65	115
625	400	110	160	60	110
733	500	125	175	75	125

Iguana+ COLLECTION

40% more warmth

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

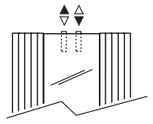
Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION



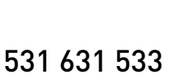
Top connection: specify code 45 or 54 instead of MM (first number is flow). No insert pipe should be ordered. Provide an air vent on the central heating pipework.

VALVES

See page 182.

OPTIONS

Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator
Towel rail		
9087.023550	550	510
9087.023656	660	620-730



IGUANA WITH TOWEL RAIL:
combines functionality with a high heat efficiency.

CODE	L	L radiator
Hat rack		
9087.024550	550	410-510
9087.024656	660	620-730-830



HEIGHT 1800-2200 · OUTPUT TABLES

VISW.HHH.LLL.XXX/MM

	HEIGHT 1800 VISIO	
L	Watts	Watts
mm	75/65	55/45
510	719	361
620	1007	506
730	1294	650

	HEIGHT 2000 VISIO	
L	Watts	Watts
mm	75/65	55/45
510	751	379
620	1051	530
730	1352	682

	HEIGHT 2200 VISIO	
L	Watts	Watts
mm	75/65	55/45
510	780	395
620	1092	552
730	1404	710

VIPW.HHH.LLL.XXX/MM

	HEIGHT 1800 VISIO PLUS	
L	Watts	Watts
mm	75/65	55/45
510	908	451
620	1271	631
730	1634	811

	HEIGHT 2000 VISIO PLUS	
L	Watts	Watts
mm	75/65	55/45
510	978	488
620	1369	683
730	1760	878

	HEIGHT 2200 VISIO PLUS	
L	Watts	Watts
mm	75/65	55/45
510	1042	522
620	1459	731
730	1876	940

EN442 output at 20°C room temperature





IGUANA CORNER

WARMTH WITH A SYMBOLIC VALUE

Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

The only thing the Iguana Corner needs to provide heat: a quiet little corner. Also available in heights 1250 and 1500 mm, specially designed for installation above the bathtub.

Also available as "Plus" version for low flow temperatures.

design award winner

ISH 1999 DESIGN PLUS

jaga

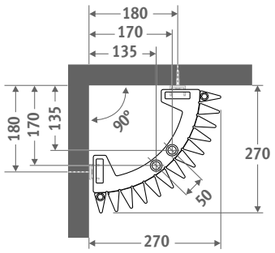
PRESENTING IGUANA CORNER



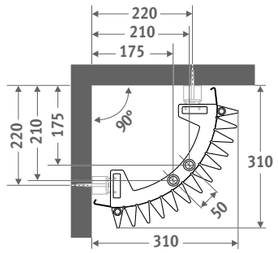
IGUANA CORNER

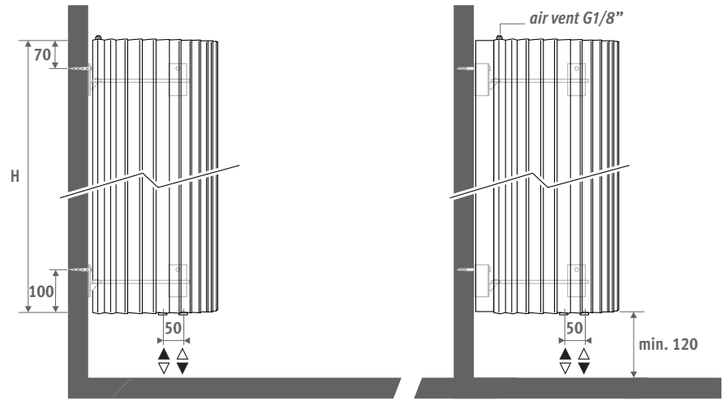
DIMENSIONS *(in mm)*

CORNER



CORNER PLUS





DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Top connection:
specify code 45 or 54 instead of MM (first number is flow). No insert pipe should be ordered. Provide an air vent on the central heating pipework.

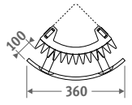


VALVES

See page 182.

OPTIONS

Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE
Towel rail
9087.043466



IGUANA WITH TOWEL RAIL:
combines functionality with a high heat efficiency.

CODE	L	L radiator
Hat rack		
9087.044466		



EN EURONORM 442 75/65 55/45

Iguana+ COLLECTION

40% more warmth

HEIGHT 1800 · OUTPUT TABLES

CORW.HHH.027.XXX/MM

L mm	H mm	HEIGHT 1250 CORNER Watts 75/65	Watts 55/45
270	**1250**	723	334
	1500	834	384
	1800	967	443
	1920	1021	467
	2000	1058	483
	2200	1149	523
	2400	1242	564

COPW.HHH.031.XXX/MM

L mm	H mm	HEIGHT 2400 CORNER PLUS Watts 75/65	Watts 55/45
310	**1250**	860	436
	1500	990	501
	1800	1145	577
	1920	1207	607
	2000	1249	627
	2200	1352	677
	2400	1458	729

EN442 output at 20°C room temperature



OPTION hat rack





IGUANA CORNER granite gray 028, optional towel rail

IGUANA ANGULA PLUS

WARMTH WITH A SYMBOLIC VALUE

Inspired by a child’s drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

A radiator around the corner. Great capacity in a small space. A special solution, both energy-wise and aesthetically!

design award
winner

ISH 1999 DESIGN PLUS

RESPECT NATURE

jaga

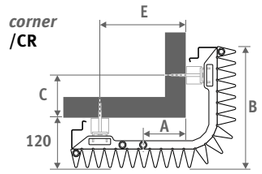
PRESENTING IGUANA ANGULA PLUS

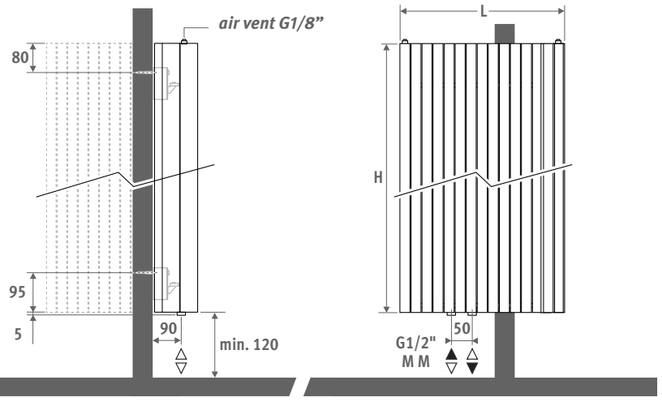


IGUANA ANGULA PLUS

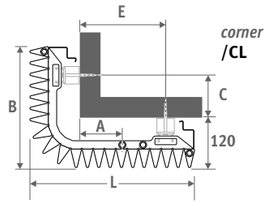
DIMENSIONS *(in mm)*

ANGULA PLUS / CR





ANGULA PLUS / CL



L	A	B	C	E
400	105	290	100	210
455	130	345	155	265
510	160	400	210	320

Iguana+ COLLECTION

40% more warmth

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

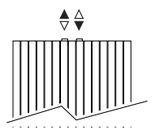
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Top connection: specify code 45 or 54 instead of MM (first number is flow). No insert pipe should be ordered. Provide an air vent on the central heating pipework.



VALVES

See page 182.

HEIGHT 1800-2400 · OUTPUT TABLES

ANPW.HHH.LLL.XXX/MM/XX

L mm	HEIGHT 1800 ANGULA PLUS Watts 75/65	Watts 55/45
400	1745	873
460	2078	1040
510	2410	1206

L mm	HEIGHT 1920 ANGULA PLUS Watts 75/65	Watts 55/45
400	1823	918
460	2170	1093
510	2517	1267

ANPW.HHH.LLL.XXX/MM/XX

L mm	HEIGHT 2200 ANGULA PLUS Watts 75/65	Watts 55/45
400	1987	1010
460	2355	1203
510	2732	1396

L mm	HEIGHT 2400 ANGULA PLUS Watts 75/65	Watts 55/45
400	2066	1066
460	2460	1270
510	2854	1473

EN442 output at 20°C room temperature

TETRA

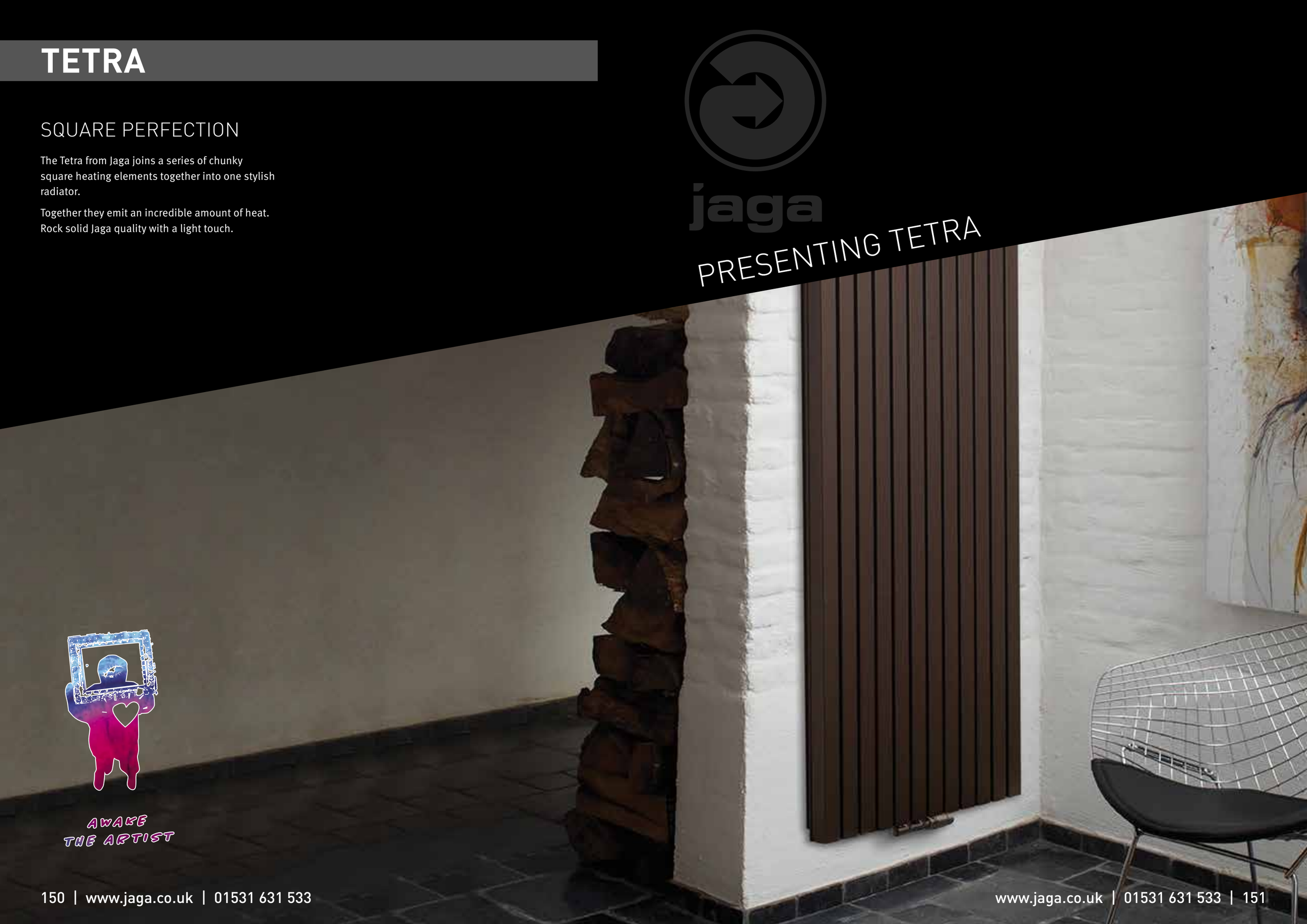
SQUARE PERFECTION

The Tetra from Jaga joins a series of chunky square heating elements together into one stylish radiator.

Together they emit an incredible amount of heat. Rock solid Jaga quality with a light touch.

jaga

PRESENTING TETRA

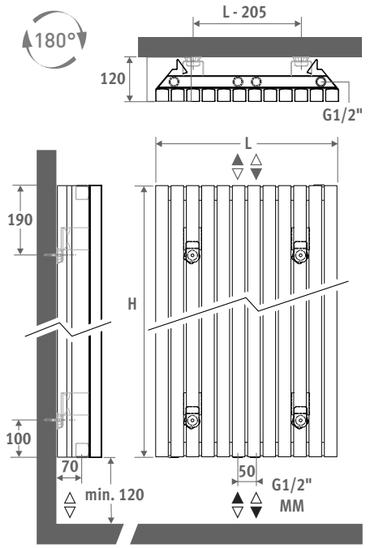


AWAKE THE ARTIST



HEIGHT 1800-2000 · OUTPUT TABLES

DIMENSIONS *(in mm)*



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

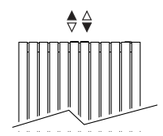
Standard colours:

- pearl brown (017), fine texture metallic
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Standard connection: central connection (code MM)
Tetra is symmetrical and can be mounted either way up.



TETW.HHH.LLL.XXX/MM

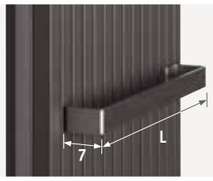
	HEIGHT 1800	
L	Watts	Watts
mm	75/65	55/45
330	984	517
410	1230	646
500	1476	775
580	1722	905
670	1986	1043

	HEIGHT 2000	
L	Watts	Watts
mm	75/65	55/45
330	1120	582
410	1400	728
500	1680	874
580	1960	1019
670	2240	1165

EN442 output at 20°C room temperature

OPTIONS

Towel rail in stainless steel



CODE	L	min. L radiator
9042.03329.011	330	330
9042.03413.011	410	410
9042.03497.011	500	500
9042.03581.011	580	580
9042.03665.011	670	670

Towel rack in stainless steel



CODE	L	min. L radiator
9042.04329.011	330	330
9042.04413.011	410	410
9042.04497.011	500	500
9042.04581.011	580	580
9042.04665.011	670	670

PANEL PLUS

ELEGANCE, SIMPLICITY AND POWER

Streamlined, elegant design. The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model or horizontal version ! The simple design of the Panel Plus radiator with its hidden rear collectors provides an elegant simplicity that oozes quality.

jaga

CREATE EMOTION

PRESENTING PANEL PLUS





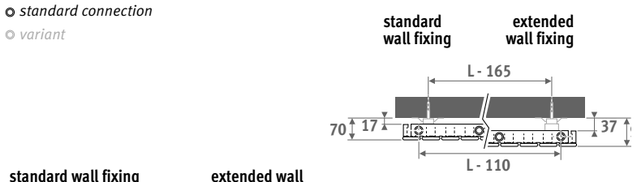
HEIGHT 1800-2400 · OUTPUT TABLES

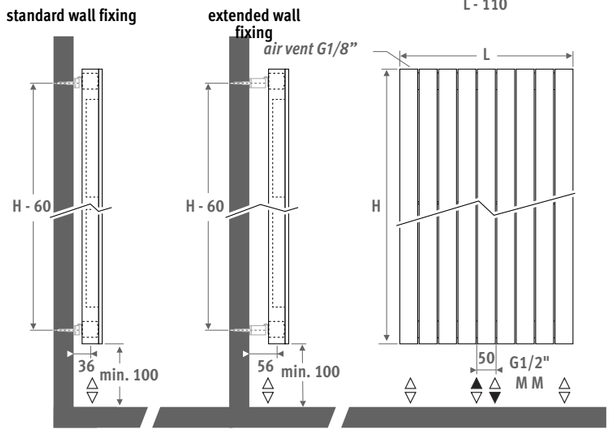
EN 442 · 75/65 · 55/45

DIMENSIONS *(in mm)*

standard connection

variant





DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

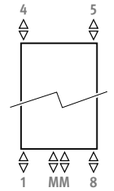
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Code:
1° number = flow
2° number = return

Standard connection: Universal central connection at the bottom, code MM, flow left or right. Connection 18 or 81 at the bottom is also possible with code MM.



Top connection (no surcharge): enter code 45 or 54, provide an air vent on the central heating pipework.

Vertical : pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 110mm. E.g. 430mm long – 110mm = 320mm pipe centres.

VALVES

See page 182.

Horizontal version: see p. 164
Freestanding version: see p. 178

PPVW.HHH.LLL.XXX/MM

HEIGHT 1800

L mm	Watts 75/65	Watts 55/45
240	584	297
310	730	371
370	875	444
430	1021	519
500	1167	593
560	1313	667
620	1459	741
690	1605	815
750	1751	889
810	1897	964
870	2043	1038
940	2189	1112

HEIGHT 2000

L mm	Watts 75/65	Watts 55/45
240	644	329
310	805	411
370	965	493
430	1126	575
500	1287	657
560	1448	739
620	1609	821
690	1770	904
750	1931	986
810	2092	1068
870	2253	1150
940	2414	1232

HEIGHT 2200

L mm	Watts 75/65	Watts 55/45
240	700	359
310	876	450
370	1051	539
430	1226	629
500	1401	719
560	1576	809
620	1751	899
690	1926	988
750	2101	1078
810	2276	1168
870	2451	1258
940	2627	1348

HEIGHT 2400

L mm	Watts 75/65	Watts 55/45
240	754	389
310	943	486
370	1131	583
430	1320	681
500	1508	777
560	1697	875
620	1885	972
690	2074	1069
750	2262	1166
810	2451	1264
870	2639	1361
940	2828	1458

EN442 output at 20°C room temperature

DECO SPACE

STRIKING AND TIMELESS

True beauty is timeless. Deco is the classic design radiator with a high heat output and a simple design. Can be incorporated smoothly into any interior, modern or classic.

jaga



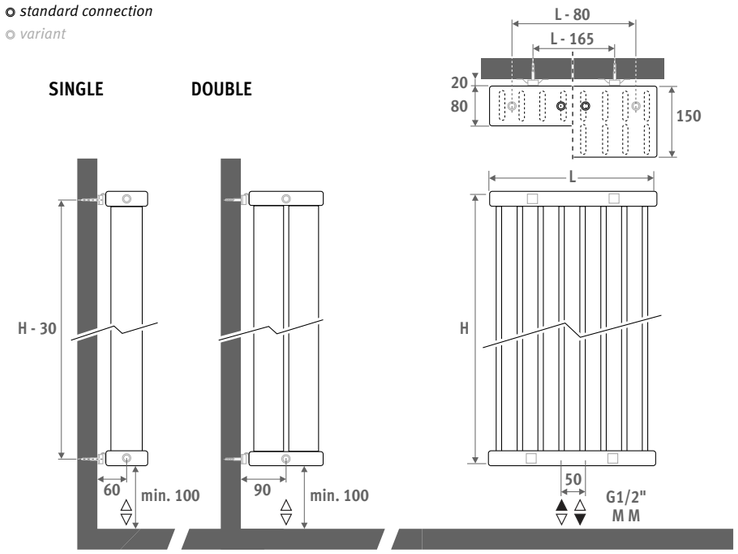
PRESENTING DECO SPACE

DECO SPACE

DIMENSIONS *(in mm)*

SINGLE | DOUBLE

- *standard connection*
- *variant*



DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

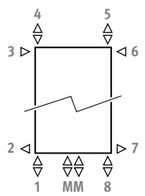
COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION



Code:
1° number = flow
2° number = return

Standard connection: central connection MM below or on top, flow left or right.

Other connections (no surcharge):
- bottom connection: enter code 18 or 81
- top connection: enter code 45 or 54
- side connection: specify 32, 67, 41 or 58 instead of MM. Code 32 or 67 not suitable for the perpendicular to the wall model (SVSS/SVDS)!
- cross-over connection: enter code 51 or 48

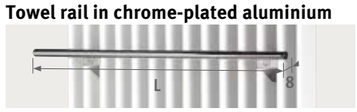
Deco Space Vertical : pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 60mm. E.g. 400mm long – 60mm = 340mm pipe centres.

VALVES

See page 182.

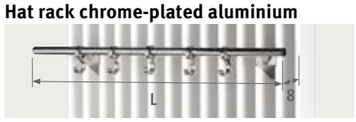
OPTIONS

Towel rail in chrome-plated aluminium



CODE	L	min. L radiator
Deco Space Single		
9091.013560	560	520
9091.013660	660	640
Deco Space Double		
9091.023560	560	520
9091.023660	660	640

Hat rack chrome-plated aluminium



CODE	L	min. L radiator
Deco Space Single		
9091.012560	560	520
9091.012660	660	640
Deco Space Double		
9091.022560	560	520
9091.022660	660	640

EN 442 | 75/65 | 55/45

Also available as freestanding and perpendicular to wall.

Please contact Jaga for further information

Deco Space is available from height 1200mm up to 3000mm and from length 320mm up to 1200mm. See: www.jaga.co.uk

HEIGHT 1800-2600 · OUTPUT TABLES

SVSW.HHH.LLL.XXX/MM — **SVDW.HHH.LLL.XXX/MM**

HEIGHT 1800 SINGLE / HEIGHT 1800 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	884	457	1418	717
400	1105	571	1772	896
480	1326	686	2126	1074
560	1547	800	2481	1254
640	1768	914	2835	1433
720	1989	1029	3190	1612
800	2210	1143	3544	1791
960	2652	1371	4253	2149

HEIGHT 1920 SINGLE / HEIGHT 1920 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	939	486	1500	758
400	1174	608	1875	948
480	1409	730	2250	1137
560	1644	851	2625	1327
640	1878	973	3000	1516
720	2113	1094	3375	1706
800	2348	1216	3750	1895
960	2818	1459	4500	2274

HEIGHT 2000 SINGLE / HEIGHT 2000 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	976	506	1554	786
400	1220	632	1943	982
480	1464	759	2332	1179
560	1708	885	2720	1375
640	1952	1011	3109	1572
720	2196	1138	3497	1768
800	2440	1264	3886	1965
960	2928	1517	4663	2358

HEIGHT 2200 SINGLE / HEIGHT 2200 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	1066	554	1690	855
400	1322	692	2112	1068
480	1598	830	2534	1281
560	1865	969	2957	1495
640	2131	1107	3379	1709
720	2398	1246	3802	1922
800	2664	1384	4224	2136
960	3197	1661	5069	2563

HEIGHT 2400 SINGLE / HEIGHT 2400 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	1153	600	1823	922
400	1441	750	2279	1153
480	1729	900	2735	1384
560	2017	1050	3191	1614
640	2306	1200	3646	1844
720	2594	1350	4102	2075
800	2882	1500	4558	2306
960	3458	1800	5470	2767

HEIGHT 2600 SINGLE / HEIGHT 2600 DOUBLE

L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
320	1237	646	1954	989
400	1546	807	2443	1236
480	1855	968	2932	1483
560	2164	1129	3420	1730
640	2474	1291	3909	1978
720	2783	1452	4397	2224
800	3092	1614	4886	2472
960	3710	1936	5863	2966

EN442 output at 20°C room temperature

DECO PANEL

STRIKING AND TIMELESS

The classic design radiator in its purest form. For any interior, modern or classic.

jaga

PRESENTING DECO PANEL



BUILDING BRIDGES

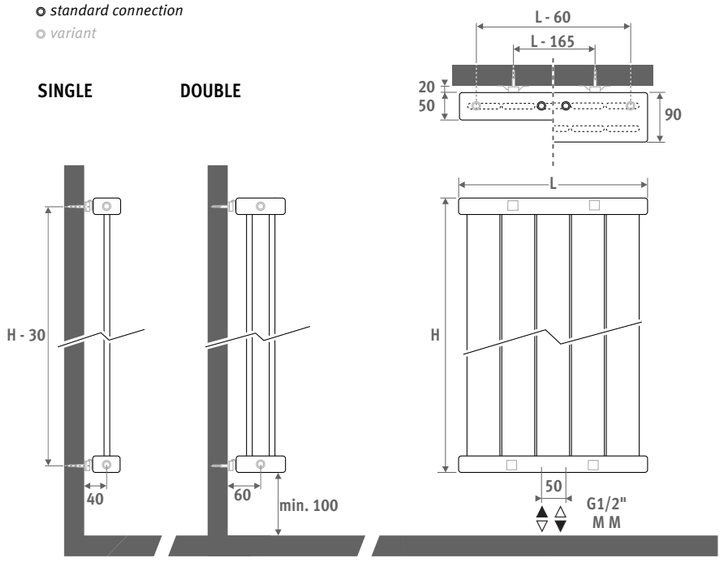
DECO PANEL VERTICAL

EN 442 EURONORM 75/65 55/45

DIMENSIONS *(in mm)*

SINGLE DOUBLE

standard connection
variant



Also available in horizontal version. See page 106.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

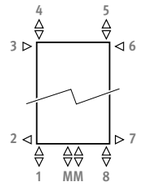
COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION



Code:
1° number = flow
2° number = return

Standard connection: central connection MM below or on top, flow left or right.

Other connections (no surcharge)
- bottom connection: enter code 18 or 81
- top connection: enter code 45 or 54
- side connection: ordering code: specify 32, 67, 41 or 58. Code 32 or 67 not suitable for the perpendicular to the wall model PVSS/PVDS.
- cross-over connection: enter code 51 or 48

Horizontal : pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 30mm. E.g. 1400mm long – 30mm = 1370mm pipe centres.

Vertical : pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 60mm. E.g. 400mm long – 60mm = 340mm pipe centres.

Deco Space Vertical : pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 60mm. E.g. 400mm long – 60mm = 340mm pipe centres.

VALVES

See page 182.

HEIGHT 1800-2600 · OUTPUT TABLES

Also available as freestanding and perpendicular to wall.

Please contact Jaga for further information

Deco Panel Vertical is available from height 1200mm up to 3000mm and from length 280mm up to 1200mm, see: www.jaga.co.uk

PVSW.HHH.LLL.XXX/MM

L mm	HEIGHT 1800 SINGLE Watts 75/65	HEIGHT 1800 SINGLE Watts 55/45
280	490	251
400	736	377
530	981	502
660	1226	628
780	1471	753
910	1716	878
1030	1962	1004
1160	2207	1130

L mm	HEIGHT 1920 SINGLE Watts 75/65	HEIGHT 1920 SINGLE Watts 55/45
280	520	266
400	781	400
530	1041	533
660	1301	666
780	1561	799
910	1821	932
1030	2082	1065
1160	2342	1198

L mm	HEIGHT 2000 SINGLE Watts 75/65	HEIGHT 2000 SINGLE Watts 55/45
280	540	276
400	811	415
530	1081	553
660	1351	691
780	1621	829
910	1891	967
1030	2161	1106
1160	2432	1244

L mm	HEIGHT 2200 SINGLE Watts 75/65	HEIGHT 2200 SINGLE Watts 55/45
280	590	301
400	886	452
530	1181	603
660	1476	754
780	1771	904
910	2066	1055
1030	2362	1206
1160	2657	1357

L mm	HEIGHT 2400 SINGLE Watts 75/65	HEIGHT 2400 SINGLE Watts 55/45
280	641	327
400	961	490
530	1282	654
660	1602	817
780	1922	980
910	2243	1144
1030	2563	1307
1160	2884	1471

L mm	HEIGHT 2600 SINGLE Watts 75/65	HEIGHT 2600 SINGLE Watts 55/45
280	692	353
400	1037	528
530	1383	705
660	1729	881
780	2075	1057
910	2421	1234
1030	2766	1409
1160	3112	1586

PVDW.HHH.LLL.XXX/MM

HEIGHT 1800 DOUBLE Watts 75/65	HEIGHT 1800 DOUBLE Watts 55/45
740	376
1109	564
1479	752
1849	941
2219	1129
2589	1317
2958	1505
3328	1693

HEIGHT 1920 DOUBLE Watts 75/65	HEIGHT 1920 DOUBLE Watts 55/45
779	396
1169	593
1558	793
1948	991
2338	1189
2727	1387
3117	1586
3506	1784

HEIGHT 2000 DOUBLE Watts 75/65	HEIGHT 2000 DOUBLE Watts 55/45
806	410
1208	615
1611	820
2014	1025
2417	1230
2820	1435
3222	1639
3625	1844

HEIGHT 2200 DOUBLE Watts 75/65	HEIGHT 2200 DOUBLE Watts 55/45
870	443
1304	663
1739	885
2174	1106
2609	1327
3044	1549
3478	1769
3913	1991

HEIGHT 2400 DOUBLE Watts 75/65	HEIGHT 2400 DOUBLE Watts 55/45
933	474
1399	712
1866	950
2332	1187
2798	1424
3265	1662
3731	1899
4198	2137

HEIGHT 2600 DOUBLE Watts 75/65	HEIGHT 2600 DOUBLE Watts 55/45
955	506
1492	759
1990	1013
2487	1266
2984	1519
3482	1772
3979	2025
4477	2279

EN442 output at 20°C room temperature

GEO VERTICAL

THE STONE COMFORT ZONE

Geo is a warm rock, made out of granulated natural stone: a composition of mineral materials. The cosy warmth of a tiled stove in a modern design.

Geo vertical with towel rail is the perfect bathroom radiator.

TROPHÉE DU DESIGN
Médaille d'Or
Paris 1997

jaga

PRESENTING GEO VERTICAL

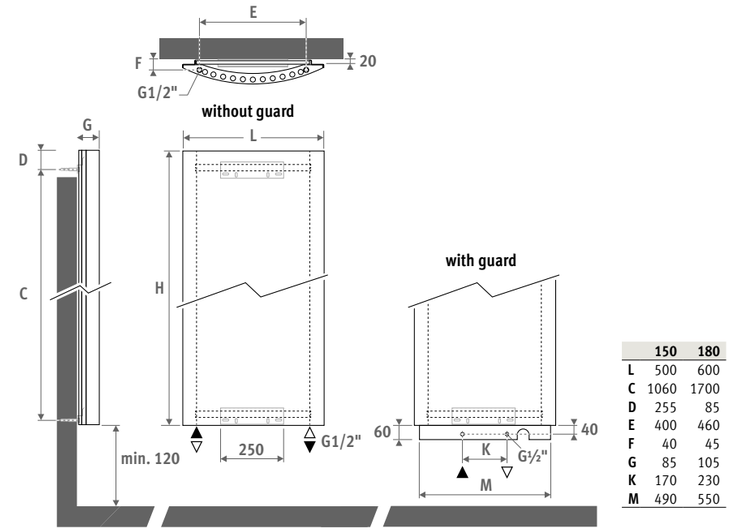


RESPECT NATURE



HEIGHT 1500-1800 · OUTPUT TABLES

DIMENSIONS *(in mm)*



	150	180
L	500	600
C	1060	1700
D	255	85
E	400	460
F	40	45
G	85	105
K	170	230
M	490	550

GEVW.150.050.XXX/18

	HEIGHT 1500	
L	Watts	Watts
mm	75/65	55/45
500	631	341

	HEIGHT 1800	
L	Watts	Watts
mm	75/65	55/45
600	971	514

EN442 output at 20°C room temperature

EN 442 EURONORM

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Gloss polished granulated natural stone.

Standard colours:



601 White



602 Light grey



603 Black



604 Sand

Other colours:



613 Matt black



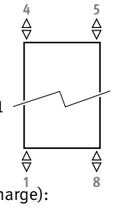
605 Beige



608 Grey

CONNECTION

Code:
1° number = flow
2° number = return
Standard connection:
Code 18, reversible 18 or 81



Other connections (no surcharge):
- top connection:
  enter code 45 or 54. Insert pipe included.
  Has to be mounted in the return.
  Always mount an air vent on the central heating pipework.
- single point connection: code 11 (left) or 88 (right) instead of 18. Always use a diffusion tube of minimum 400mm long.

Electric heating element and mixed application: please contact Jaga UK for more details

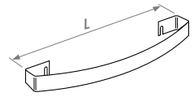
VALVES

See page XXX.

TOWEL RAIL

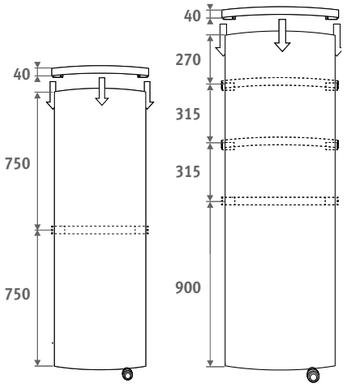
in brushed stainless steel





CODE	L	for radiator
90912.01	530	1500 x 500
90912.00	630	1800 x 600

Can be mounted at different heights.



VALVES

See page 182.

MOON & CROSSROADS

STRIKING AND POWERFUL WALL-MOUNTED RADIATORS

The Crossroads and Moon radiators are a unique way to make an artistic statement, creating a stunning focal point, while effectively heating any interior.

jaga

PRESENTING MOON & CROSSROADS



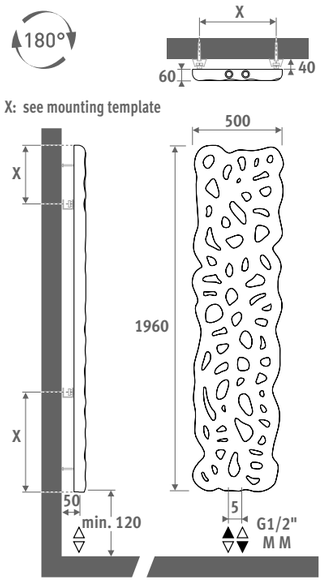
HEIGHT 1960 · OUTPUT TABLES

MOOW.196.050.XXX

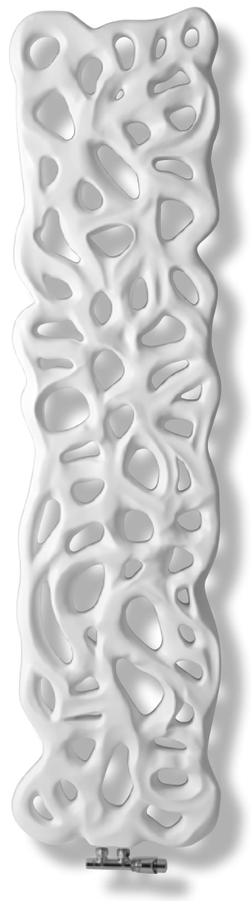
	HEIGHT 1960	
L	Watts	Watts
mm	75/65	55/45
500	896	485

EN442 output at 20°C room temperature

DIMENSIONS *(in mm)*



PLEASE NOTE!
Moon does not come with an air vent. The design of Moon is such that an air vent is not fitted to the radiator itself. Venting is to be done through the central heating system.

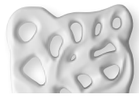


DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Standard colours



9016 white RAL 9016



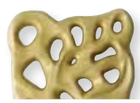
9005 black RAL 9005



3304 brown RAL 330-4



140M white gold RAL 140-M

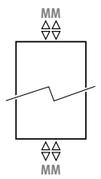


260M yellow gold RAL 260-M

Other colours: RAL range on demand.

CONNECTION

Provide an air vent on the central heating pipework above the radiator.
Standard connection:
central connection code MM.
The Moon is symmetrical and can be mounted either way up.

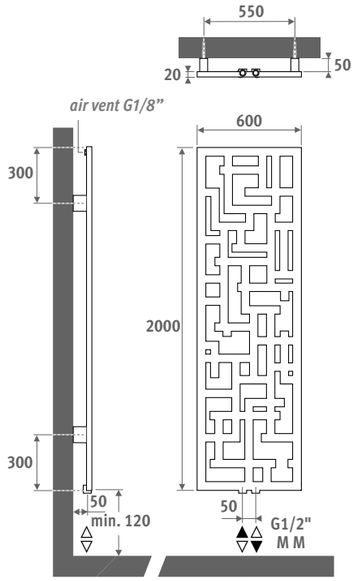


VALVES

See page 182.

HEIGHT 2000 · OUTPUT TABLES

DIMENSIONS *(in mm)*



CROW.200.060.012/MM

CROW.200.060.XXX/MM

	HEIGHT 2000 STAINLESS STEEL		HEIGHT 2000 LACQUERED	
L	Watts	Watts	Watts	Watts
mm	75/65	55/45	75/65	55/45
600	645	339	989	528

EN442 output at 20°C room temperature

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Stainless steel version
in brushed stainless steel.

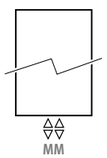
Lacquered finish:
Environmentally friendly, scratch-resistant, high UV resistant powder coating.
Standard colours:
- pearl black (018), fine texture metallic
- pearl brown (017), fine texture metallic
- traffic white RAL 9016 (133), smooth satin matt
- sandblast grey (001), fine texture metallic

Other colours:
- soft touch, fine structured, satin look (1... colour code)
- fine texture
- fine texture metallic

See colour chart.

CONNECTION

Standard connection:
central connection (code MM).



VALVES

See page 182.

Stainless steel version

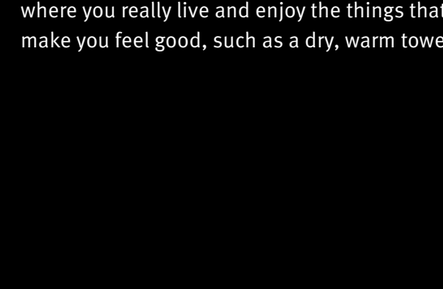
TOWEL RADIATORS

WARMTH IS COMFORT, AFFECTION, FEELING GOOD

Especially in your bathroom: the room where you get to escape from the world, to create a total feeling of well-being and security. Or in the kitchen, where you not only work and eat, but where you really live and enjoy the things that make you feel good, such as a dry, warm towel.

jaga

PRESENTING TOWEL RADIATORS






IGUANA ARCO

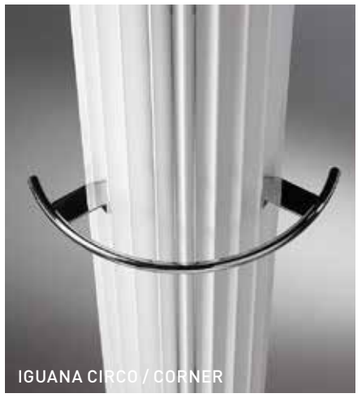

TETRA

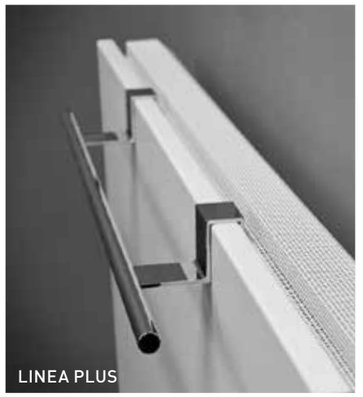
HORIZONTAL AND VERTICAL RADIATORS WITH TOWEL RAILS

As well as the towel radiators in this section, you can specify towel rails as an option on a variety of Jaga radiators. Combine functionality with beautiful designs and high heat outputs with low water temperature.


IGUANA APLANO


IGUANA VISIO


IGUANA CIRCO / CORNER


LINEA PLUS


STRADA

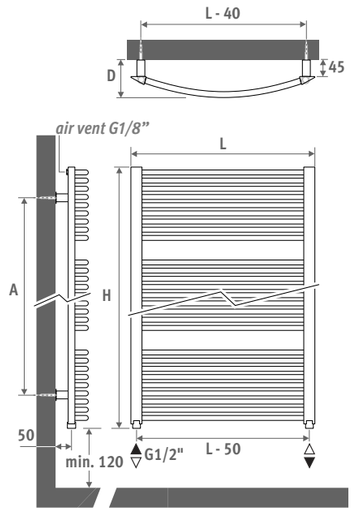

DECO SPACE



A SOFT WARMTH IN A DISTINCTIVE FORM!

An organic gently curved design with the subtle simplicity of triangular collectors.

DIMENSIONS *(in mm)*



L	D	H	A
500	103	**890**	670
650	106	**1220**	1011
800	107	**1530**	1315
950	110	**1810**	1370
		2150	1370

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

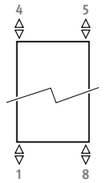
Standard colours:
- traffic white RAL 9016 (333), smooth glossy finish
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

CONNECTION

Code:
1° number = flow
2° number = return

Standard connection:
Code 18, reversible 18 or 81



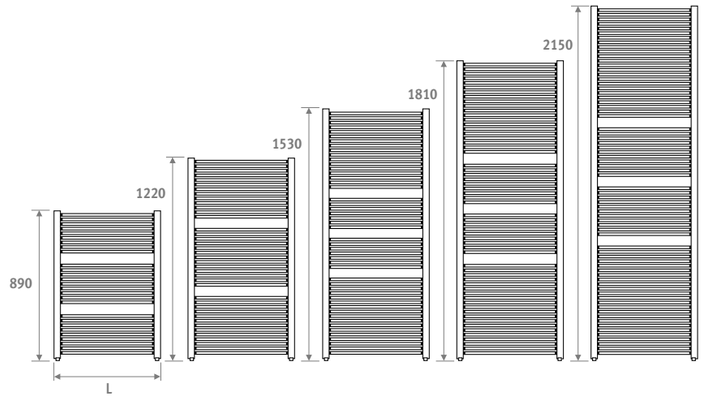
Other connections (no surcharge)
- top connection:
  the Accolade is symmetrical and can be mounted either way up. Insert pipe to be mounted in the return. It is delivered whithout surcharge if connection code 45 or 54 is specified instead of 18. An air vent has to be provided on the central heating pipework.
- single point connection
- electric heating element and mixed application: contact Jaga for further details

Pipe centres for horiztonal based on 1/8 connections. Length of radiator MINUS (-) 50mm. E.g. 500mm long – 50mm = 450mm pipe centres.

VALVES

See page 182.

ACCOLADE SANI



Also available without gaps for towels, see www.jaga.co.uk

HEIGHT 890-2150 · OUTPUT TABLES

ACSW.HHH.LLL.XXX/18

HEIGHT 890		
L	Watts	Watts
mm	75/65	55/45
500	502	260
650	629	325
800	756	391
950	883	457

HEIGHT 1220		
L	Watts	Watts
mm	75/65	55/45
500	688	355
650	882	457
800	1075	559
950	1269	661

HEIGHT 1530		
L	Watts	Watts
mm	75/65	55/45
500	827	425
650	1065	552
800	1303	680
950	1542	808

ACSW.HHH.LLL.XXX/18

HEIGHT 1810		
L	Watts	Watts
mm	75/65	55/45
500	982	503
650	1263	656
800	1545	809
950	1826	962

HEIGHT 2150		
L	Watts	Watts
mm	75/65	55/45
500	1171	598
650	1494	777
800	1818	957
950	2141	1136

EN442 output at 20°C room temperature

EN 442 EUROnorm 75/65 55/45

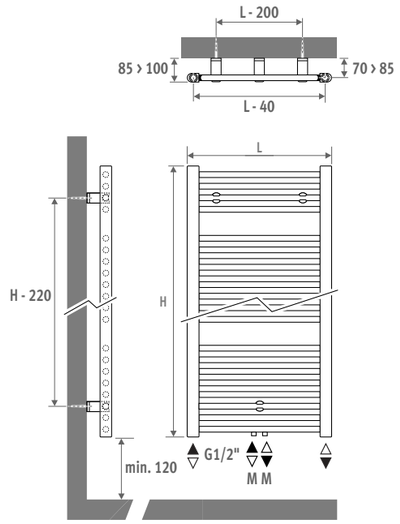




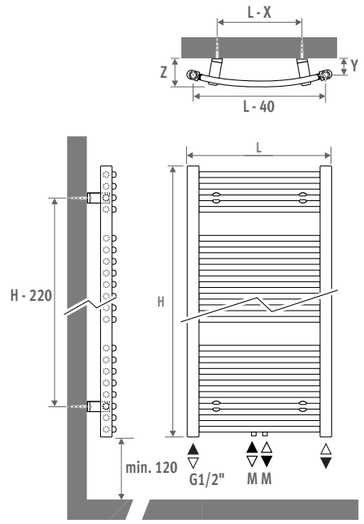
HEIGHT 940-1980 · OUTPUT TABLES

DIMENSIONS *(in mm)*

BASIC



BOW



L	X	Y	Z
500	250	52 › 64	86 › 96
600	220	54 › 64	93 › 103
750	185	93 › 103	105 › 115

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Sani Basic

Standard colours:

- traffic white RAL 9016 (233), smooth glossy finish
- sandblast grey (001),fine texture metallic

Other colours: see colour chart.

Sani Bow

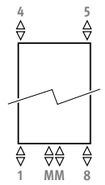
Only available in traffic white RAL 9016 (233), smooth glossy finish.

CONNECTION

Code:
1º number = flow
2º number = return

Standard connection:

- central connection MM below or on top, flow left or right. Connection 18 or 81 is also possible.



Other connections (no surcharge):

- top connection:
  enter code 45 or 54. Insert pipe included. Has to be mounted in the return. Always mount an air vent on the central heating pipework.
- electric heating element and mixed application: contact Jaga for further details

Pipe centres for horizontal based on 1/8 connections. Length of radiator MINUS (-) 40mm. E.g. 600mm long – 40mm = 560mm pipe centres.

VALVES

See page 182.

EN 442 EURONORM 75 65 55 45

SBAW.HHH.LLL.XXX/MM

L mm	HEIGHT 940 BASIC Watts 75/65	Watts 55/45
500	427	224
600	505	265
750	620	326

L mm	HEIGHT 1320 BASIC Watts 75/65	Watts 55/45
500	605	317
600	706	370
750	865	455

L mm	HEIGHT 1700 BASIC Watts 75/65	Watts 55/45
500	775	405
600	906	476
750	1107	583

L mm	HEIGHT 1980 SINGLE Watts 75/65	Watts 55/45
500	N/A	N/A
600	1081	567
750	1317	694

SBOW.HHH.LLL.XXX/MM

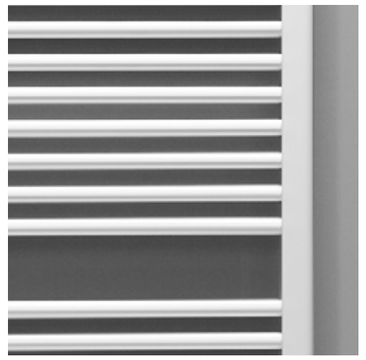
HEIGHT 940 BOW Watts 75/65	Watts 55/45
444	237
528	283
656	351

HEIGHT 1320 BOW Watts 75/65	Watts 55/45
618	329
732	391
911	488

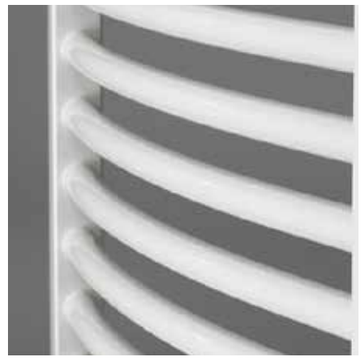
HEIGHT 1700 BOW Watts 75/65	Watts 55/45
788	419
938	500
1159	622

HEIGHT 1980 BOW Watts 75/65	Watts 55/45
N/A	N/A
1122	597
1373	738

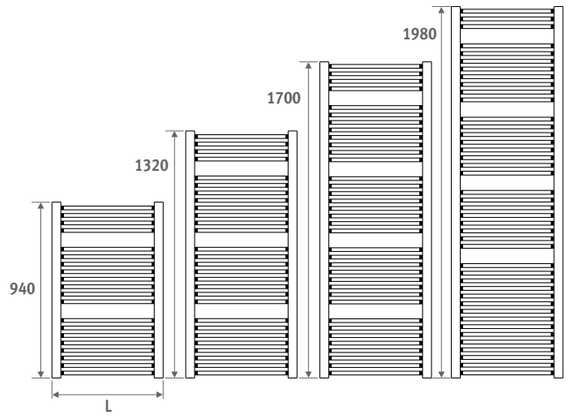
EN442 output at 20ºC room temperature



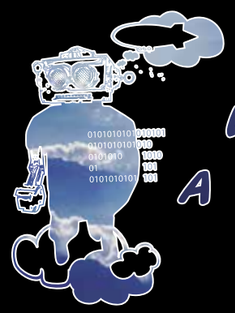
SANI BASIC



SANI BOW



VALVES



DECORATIVE VALVES



CONNECTIONS EXPLAINED:

- Where ‘MM’ connections are specified on a product, any of the sets above can be used.
- IF ‘1/8’ connections are specified then Pro Valve can NOT be used.
- If other connections are specified please speak to Jaga Customer Service team to help with selections.
- If 4/5 (top) connections are used, thermostatic valves cannot be used.

JAGA DECO PRO-VALVE - WALL

For all radiators with connection MM, LL or RR



CODE	
5094.427	angled deco pro-valve

- for connection to the wall
- for two pipe

JAGA THERMOSTATIC VALVE - WALL

Thermostatic valve **Lockshield**



CODE	
5094.422	angled thermostatic valve
5096.004	angled lockshield

JAGA DECO PRO-VALVE - FLOOR

For all radiators with connection MM, LL or RR



CODE	
5094.425	straight deco pro-valve

- for connection to the floor
- for two pipe

JAGA THERMOSTATIC VALVE - FLOOR

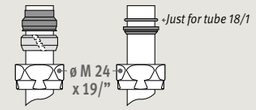
Thermostatic valve **Lockshield**



CODE	
5094.420	straight thermostatic valve
5096.003	straight lockshield

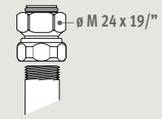
Sleeve couplings

PRECISION METAL TUBE



CODE	Description
5094.1110	ø M24 x 10/1
5094.1115	ø M24 x 15/1

STEEL TUBE FOR C.H.



CODE	Description
5094.1501	ø M24 x 1/2”

- TRV head to be chosen from options below.
- Any other valve configuration to be discussed with Jaga customer support team.

TRV HEADS



CODE 5090.1125



CODE 5090.1151



CODE 5090.1150



CODE 5090.1152

CODE	Description
5090.1150	White
5090.1151	Chrome
5090.1152	Silver
5090.1125	White

OXYGEN

DEMAND CONTROLLED HEATING & MECHANICAL VENTILATION

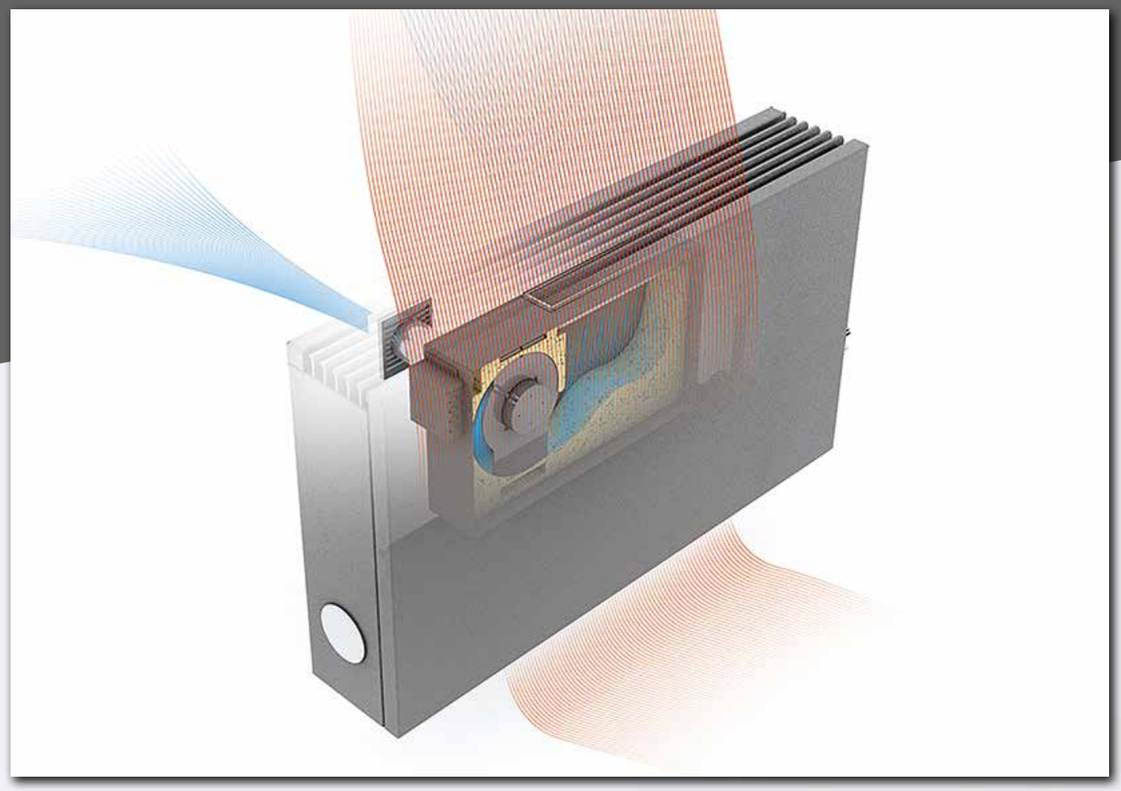
Jaga Oxygen works alongside our Low-H_2O radiators to deliver an energy-efficient, intelligent and fully programmable heating and ventilation solution.

This supply and extract system brings in fresh air at low-levels and extracts stale room air at high-levels creating optimal air movement, ensuring optimum indoor air quality (IAQ).

Due to its modular design this system is particularly effective for rooms with high occupancy such as classrooms, and rooms of lower occupancy such as offices and care homes.

Oxygen delivers clean, filtered, fresh air on demand and efficiently, in buildings of any age or type.





WHY CHOOSE DEMAND CONTROLLED MECHANICAL VENTILATION?

Demand Controlled Mechanical Ventilation only vents fresh filtered air when required, meaning that it is the most energy efficient method of ventilation whilst also eliminating the drawbacks of draughts and noise pollution. CO_2 levels are constantly monitored meaning that if occupancy levels rise or fall the system will draw in more or less fresh air, ensuring good indoor air quality is always present.

This control method also allows the system to react to other parameters such as temperature, thus also increasing comfort.

Jaga Oxygen is an energy efficient, innovative and highly responsive heating and ventilation solution providing automated:

- CO_2 monitoring
- Clean, fresh air on demand – adapting to the changing requirements of the room
- Heating even at low water temperatures
- Free night-time 'cooling' for energy efficient secure summer time cooling



BRIZA 12

SUPER SLIM AND POWERFUL HEATING, COOLING

Briza is a climate unit with a dual personality: a Hybrid that provides comfortable heat in winter and refreshing cooling in summer. It provides you with an optimum indoor climate throughout the year.

The power behind the Briza comfort system is the ingenious Low-H_2O technology, combined with a near silent dynamic system. Briza is the slimmest hybrid available on the market with this much power.

That also makes Briza ideal for connecting to low-temperature systems like heat pumps, solar energy systems and condensing boilers.
Using the latest EC motors enables Brizas to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

jaga

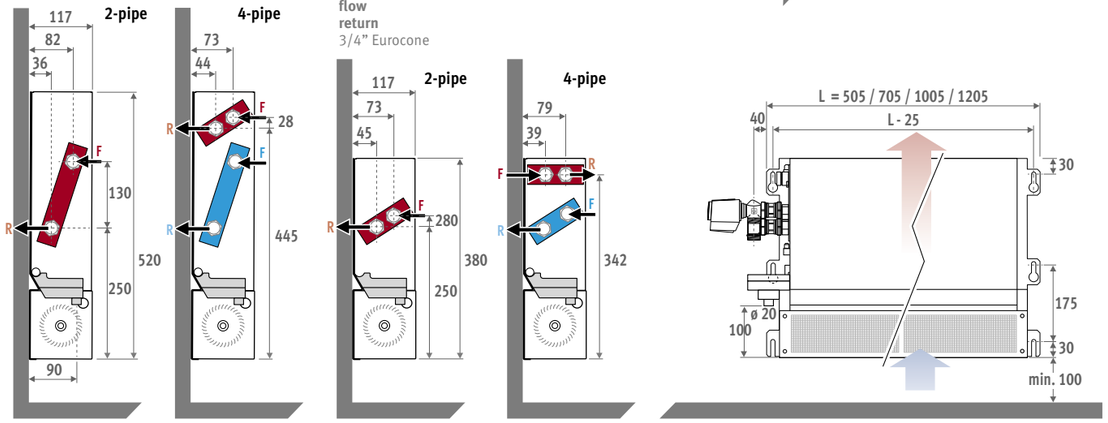


PRESENTING BRIZA 12

BRIZA 12

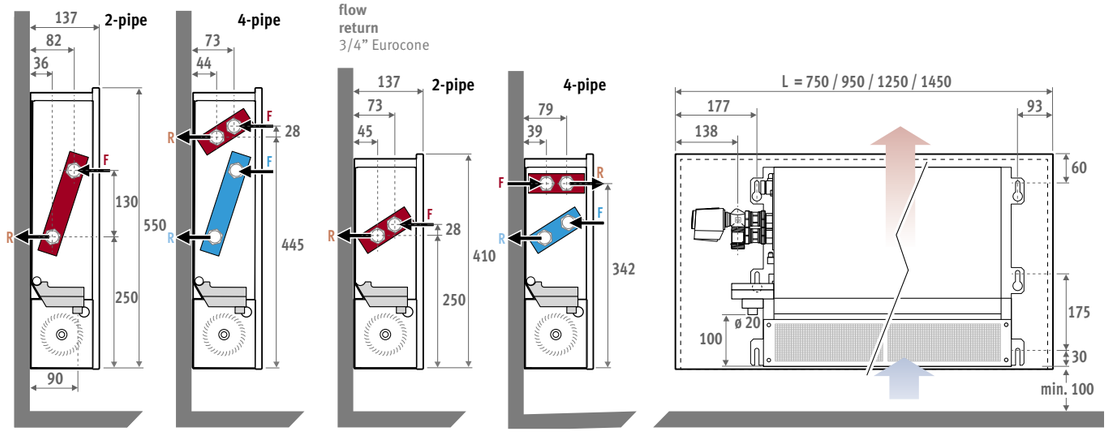
DIMENSIONS *(in mm)*

RECESSED/PANEL MOUNTED BZBW/BZBC



With energy efficient EC motor

WITH CASING BZMW/BZMC



ORDERING CODE 2-PIPE

code	height	length	colour	conn.
BZMW .	041	075 .	XXX	/20

enter colour code ↵

ORDERING CODE 4-PIPE

code	height	length	colour	4-pipe	conn.
BZMW .	041	075 .	XXX	/4	/20

enter colour code ↵

EASY TO INSTALL

The Briza is light and compact. The construction is designed to have sufficient space for simple connection and installation of accessories within the dimensions of the Briza.

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface.
High UV resistance.

Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart

HYDRAULIC CONNECTION & ELECTRICAL CONNECTION

Jaga's extensive range offers a Briza for every application:
- heating or cooling using a 2-pipe heat exchanger for hydraulic heating systems.
- heating and cooling using two 4-pipe heat exchangers for two seperated hydraulic systems.

Standard connection:
- hydraulic connections eurocone 3/4" on the left hand side
- clamp connector for electric connection 24VDC, to connect via an external power supply, on the right hand side.

Other connections:
- hydraulic right, electric left: connection code /70 instead of /20.
  No surcharge.

In all ceiling models, the hydraulic connection and the condensate drain are always on the left!

BRIZA 12 OUTPUT TABLES

2-PIPE

		HEATING									COOLING					
		Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30/20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.		
		10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V
H	**L**	**BUILDING-IN**														
380	**520**	1836	**1310**	1000	1102	**786**	600	459	**328**	250	486	**360**	235	365	**270**	176
	720	3021	**2100**	1620	1813	**1260**	972	755	**525**	405	800	**575**	410	600	**431**	308
	1020	4798	**3400**	2600	2879	**2040**	1560	1200	**850**	650	1270	**895**	675	953	**671**	506
	1220	5983	**4300**	3275	3590	**2580**	1965	1496	**1075**	819	1584	**1125**	817	1188	**844**	613
520	**520**	2717	**2110**	1500	1630	**1266**	900	679	**528**	375	721	**550**	386	541	**413**	290
	720	4499	**3500**	2465	2699	**2100**	1479	1125	**875**	616	1193	**920**	660	895	**690**	495
	1020	7172	**5550**	3895	4303	**3330**	2337	1793	**1388**	974	1902	**1465**	1050	1427	**1099**	788
	1220	8953	**6915**	4650	5372	**4149**	2790	2238	**1729**	1163	2375	**1839**	1295	1781	**1379**	971
H	**L**	**WITH CASING**														
410	**750**	1670	**1200**	904	1002	**720**	542	418	**300**	226	442	**325**	238	332	**244**	179
	950	2749	**1796**	1545	1649	**1078**	927	687	**449**	386	728	**520**	395	546	**390**	296
	1250	4366	**3085**	2430	2620	**1851**	1458	1092	**771**	608	1155	**820**	648	866	**615**	486
	1450	5444	**3896**	2999	3266	**2338**	1799	1361	**974**	750	1441	**1040**	850	1081	**780**	638
550	**750**	2588	**2000**	1400	1553	**1200**	840	647	**500**	350	686	**526**	350	515	**395**	263
	950	4285	**3310**	2250	2571	**1986**	1350	1071	**828**	563	1137	**880**	610	853	**660**	458
	1250	6830	**5276**	3560	4098	**3166**	2136	1708	**1319**	890	1812	**1395**	980	1359	**1046**	735
	1450	8527	**6595**	4510	5116	**3957**	2706	2132	**1649**	1128	2264	**1745**	1220	1698	**1309**	915

4-PIPE

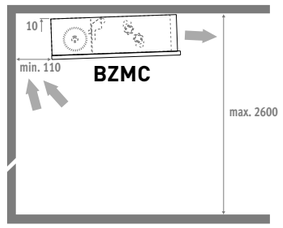
		HEATING									COOLING					
		Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30/20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.		
		10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V	10 V	**6 V**	2 V
H	**L**	**BUILDING-IN**														
380	**520**	1468	**1050**	799	881	**630**	479	367	**263**	200	388	**290**	207	291	**218**	155
	720	2416	**1676**	1342	1450	**1006**	805	604	**419**	336	640	**458**	340	480	**344**	255
	1020	3838	**2725**	2101	2303	**1635**	1261	960	**681**	525	1016	**720**	558	762	**540**	419
	1220	4786	**3425**	2605	2872	**2055**	1563	1197	**856**	651	1264	**902**	685	948	**677**	514
520	**520**	1157	**829**	640	694	**497**	384	289	**207**	160	541	**420**	296	406	**315**	222
	720	1903	**1315**	1050	1142	**789**	630	476	**329**	263	895	**692**	482	671	**519**	362
	1020	3023	**2148**	1650	1814	**1289**	990	756	**537**	413	1427	**1105**	789	1070	**829**	592
	1220	3769	**2700**	2002	2261	**1620**	1201	942	**675**	501	1781	**1380**	962	1336	**1035**	722
H	**L**	**WITH CASING**														
410	**750**	1336	**948**	698	802	**569**	419	334	**237**	175	353	**265**	191	265	**199**	143
	950	2199	**1525**	1210	1319	**915**	726	550	**381**	303	582	**422**	305	437	**317**	229
	1250	3492	**2467**	1924	2095	**1480**	1154	873	**617**	481	924	**657**	496	693	**493**	372
	1450	4355	**3118**	2380	2613	**1871**	1428	1089	**780**	595	1153	**827**	601	865	**620**	451
550	**750**	1102	**778**	610	661	**467**	366	276	**195**	153	515	**400**	285	386	**300**	214
	950	1813	**1250**	1000	1088	**750**	600	453	**313**	250	852	**656**	465	639	**492**	349
	1250	2879	**2040**	1570	1727	**1224**	942	720	**510**	393	1359	**1052**	725	1019	**789**	544
	1450	3590	**2560**	1979	2154	**1536**	1187	898	**640**	495	1696	**1311**	945	1272	**983**	709

Also available Briza 22. Contact Jaga for further information

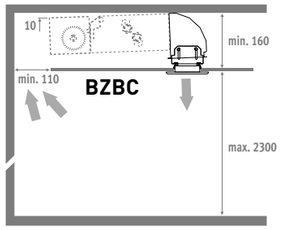
	SOUND PRESSURE* according to ISO 3741:2010						RATED INPUT						AIR FLOW with clean filters					
	dB(A)						Watts						m³/uh					
							2-pipe			4-pipe			2-pipe			4-pipe		
	10 V	6 V	2 V	10 V	6 V	2 V	10 V	6 V	2 V	10 V	6 V	2 V	10 V	6 V	2 V	10 V	6 V	2 V
L	**H 380**			**H 410**			**H 380/410**											
520/75	44.0	**32.5**	19.0	42.5	**31.3**	18.5	13.0	**4.3**	1.6	13.7	**4.8**	1.8	235	**155**	70	157	**95**	32
720/950	45.0	**34.9**	21.5	44.5	**36.8**	24.0	18.0	**7.2**	2.5	14.4	**5.7**	2.0	380	**245**	119	252	**158**	57
1020/1250	48.5	**38.0**	23.1	47.0	**37.0**	24.6	24.0	**8.0**	2.6	20.9	**7.4**	2.3	492	**328**	160	400	**242**	80
1220/1450	48.0	**38.4**	26.0	47.0	**37.3**	25.7	28.8	**10.3**	2.8	28.8	**9.0**	2.5	560	**410**	190	420	**249**	98
L	**H 520**			**H 550**			**H 520/550**											
520/0750	44.0	**33.9**	21.0	42.5	**32.2**	19.2	15.8	**5.5**	2.0	10.3	**3.6**	1.6	250	**169**	89	188	**118**	30
720/0950	45.0	**34.6**	21.8	43.5	**34.4**	23.0	16.6	**5.7**	2.2	15.6	**5.9**	2.1	365	**262**	127	282	**185**	79
1020/1250	48.0	**37.7**	24.0	46.5	**36.5**	23.1	28.8	**10**	2.8	22.3	**7.5**	2.3	513	**353**	168	423	**286**	123
1220/1450	48.5	**39.0**	26.2	46.5	**37.5**	25.0	28.8	**10**	2.8	27.3	**9.1**	2.7	583	**396**	200	508	**334**	139

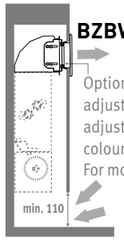
**** With an assumed room attenuation of 8 dB(A) / content of the room 75 m³ / reverberation time 0.5 sec.***
Correction factors & pressure drop: see "Technical info" chapter

CEILING-MOUNTED MODEL



BUILT-IN MODEL WITH AIR OUTLET CORNER PIECE

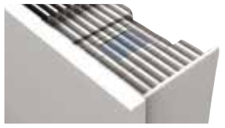




Option for Briza wall and ceiling recessed: adjustable corner piece 90Â° with adjustable air exhausting grille in natural coloured aluminium.
For more info: contact Jaga

BRIZA ▪ OPTIONS

BUILT-IN THERMOSTAT FOR HEATING/COOLING, 3 SPEEDS - 230V



- built-in thermostat for heating/cooling, 3 speeds 230 V
- including fully preassembled two-way valve 230 V
- preassembled power supply 230 VAC to 24 VDC for the fan
- for 2 or 4 pipe wall mounted model with casing
- LCD display
- can be programmed for 8 half-days
- automatic or manual changeover between heating and cooling
- on/off or 3-position control outputs
- speed selection: automatic or manual
- Briza automatically switches fans via a temperature sensor:
  · heating onwards of 28°C
  · cooling below 18°C
- operational modes: comfort, energy saving, and frost protection
- order sleeve couplings M24

CODE
/T

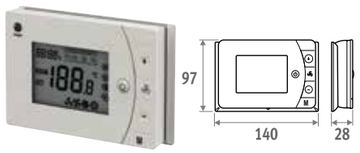
Add /T to the code of Briza.
Example: BZMW. 041 072. XXX /20 **/T**

CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009

- **automatic thermostat for**
  · 2-pipe: heating/cooling or auto
  · 4-pipe: heating/cooling or auto
- **ventilator speed: 4V/6V/10V or auto**
- **power supply 24 VDC**
- **output control 0-10 VDC**
- **1 clock thermostat per room**
- **3 programmable zones: 5+1+1**
- **LCD display with background lighting**
- **protection category IP30**

Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve contol 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 60 mm

CODE	
8751.050013	wall mounted

Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  · spacing holes at 60 mm
  · minimum depth 45 mm
  · inner dimension 50 x 50 mm or Ø 60 mm

CODE	
8751.050012	recessed/panel mounted

Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
8751.050009	wall mounted

PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- control per appliance
- auto switch heating/cooling
- indication of operating mode by LEDs



WITH CONTROL PANEL

- only for 2 pipe wall mounted model with casing
- control with touch operation and sensors for water and room temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- heating/cooling/standby with automatic switch (temporary manual adjustment is possible: contact Jaga for more information)
- ventilator settings:
  o standby
  o heating: 3 speeds
  (operates at water temperature >28°C, can easily be modified)
  o cooling: 3 speeds
  (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
DPC.BRC4	Heating
DPC.BRC6	Heating and cooling

WITHOUT CONTROL PANEL

- for 2 pipe model for building-in
- control without operation and with sensors for water and room temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- auto switch heating/cooling/standby
- 1 fan speed heating
  (starts at water t° >28°C, easily adjustable)
- 1 fan speed cooling
  (starts at water t° <18°C, easily adjustable)
- 0-10 V input for building management system/thermostats
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
DPC.BRC3	Heating and cooling

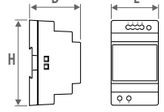
RECOMMENDED COMBINATIONS

	Heating and/or cooling			Heating
	Including thermostat	**Including built-in thermostat**	**Without thermostat**	**Radiator version with thermostatic head**
Product	Briza	Briza	Briza	Briza
Regulation	Thermostat heating / cooling Ordering code 8751.050009	Built-in and pre-wired thermostat option **/T**	Pre-mounted JDPC with control panel DPC.BRC4 for heating or DPC.BRC6 for heating and cooling	Thermostatic head option **/RAD** *For more information contact Jaga 011531 631 533 jaga@jaga.co.uk www.jaga.co.uk*
Power supply	Pre-mounted power supply option **/P**	Power supply included	Pre-mounted power supply option **/P**	Pre-mounted power supply included
Connection set	Connection set 95 with motor 24 VDC 0-10V Ordering code CODY.SC5.10.3... *(fill in sleeve coupling code: see p. 312)*	Connection set included *(fill in sleeve coupling code: see p. 154)*	Connection set 90 with 2 lockshields Ordering code CODY.LOC.00.3... *(fill in sleeve coupling codes: see p. 312)*	Pre-mounted connection set included *(fill in sleeve coupling code: see p. 154)*

POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

MAXIMUM CABLE LENGTH

In function of the number of devices:
see http://www.jaga.co.uk/en/products/horizontal/briza

PRE-MOUNTED POWER SUPPLY

- with waterproof cable gland
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- Dimension L 14.5 x B 4.5 x H 3.0 cm

CODE	Output Watts	Output current A
/P	30	1.25

Add /P to the code of Briza.
Example: BZMW. 041 072. XXX /20 **/P**

VALVES

See page XXX.

FREEDOM

FREEDOM OF CHOICE IN ENERGY SOURCE, INSTALLATION AND APPLICATION

Effective at the lowest water temperatures
Freedom is super-efficient in combination with any energy source. The lower the water temperature, the clearer the benefits of its power and flexibility! It is the perfect solution for use with heat pumps and new heating systems operating at very low water temperatures.

Compact elegant design
Freestanding Freedom radiators present Jaga's innovative and environmentally friendly Hybrid technology in its most compact and beautiful design yet. From its compact design, it packs a powerful punch and performs much more effectively than a bulky traditional radiator or fan convector and can be easily integrated into any interior design concept.

Heating and cooling
Despite its compact design, Freedom can meet your heating and cooling requirements! It's suitable for non-condensing and condensing cooling using chilled water. Freedom comes fitted with a condensate tray as standard.

jaga

PRESENTING FREEDOM



THE BEST TECHNOLOGY AND BEAUTIFUL DESIGN IN HARMONY

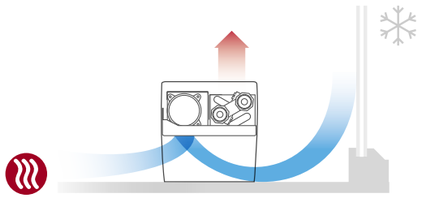
The casing shell is based on a gently curved, double-skin aluminium profile, resulting in an extremely strong radiator with a stylish and unique design. Elegant aluminium or stainless steel grilles complete the refined finish. Freedom represents the pinnacle of energy efficiency, sustainability and beautiful design!

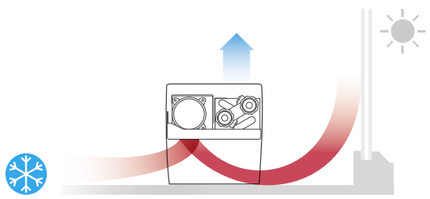




PERFECT FOR FREE COOLING

When using low temperature systems such as heat pumps, summer cooling can be provided using groundwater. This extremely eco-friendly form of cooling will become more and more popular, and may become compulsory in some countries. Freedom is one of the most efficient and environmentally-friendly solutions for this type of climate control.





COMPACT

FREEDOM CLIMA

75/65 55/45 35/30

ORDERING CODE

code	height	length	width	colour	colour	grille
FDCF.	020	062	19.	XXX.	XXX	/XXX

enter casing colour ref.
enter cover panel colour ref.
enter grille code

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface.
High UV resistance.

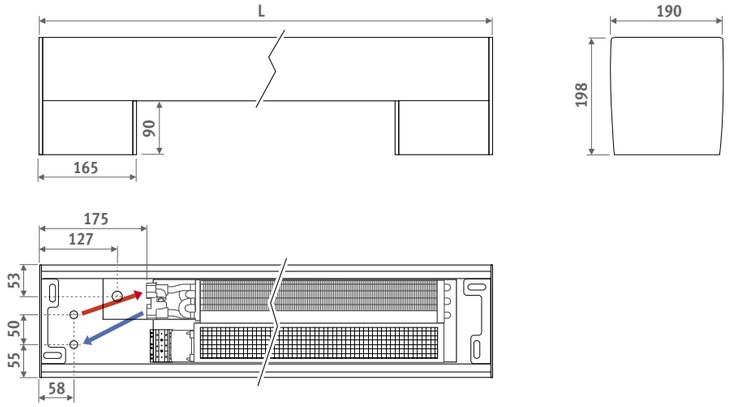
Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart

HYDRAULIC CONNECTION

- the heat exchangers are same-end connection and are always connected to a two pipe installation on the left hand side, using the stainless steel flexible hoses
- allow extra space for curtains between the Freedom casing and the window.
- always install Freedom Clima with the heat exchanger on the window side or on the wall side, not on the room side
- insulate valve and pipes to prevent condensation when cooling

DIMENSIONS *(in mm)*



ELECTRICAL CONNECTION

- 24 VDC clamp connector for electrical connection on the left, to be connected to an external power supply
- speedcontrol activator(s) 0-10 V:
  - Jaga room controller (4 zone(s))
  - thermostat (for heating and cooling) with 0-10 VDC output control (1 zone)
  - through home automation 0-10 VDC

RECOMMENDED COMBINATIONS

	Heating and/or cooling	
	Including thermostat	**Without thermostat**
Product	Freedom Clima	Freedom Clima
Regulation	Thermostat heating / cooling Ordering code 8751.050009	Pre-mounted JDPC with control panel DPC.FCC4 for heating or DPC.FCC6 for heating and cooling
Connection set	Connection set 94 with 24 VDC 0-10V motor Ordering code CODY.AA4.10.3... (fill in sleeve coupling code: see p. 312)	Connection set 91 with 2 lockshields Ordering code CODY.LOS.00.3... (fill in sleeve coupling code: see p. 312)

OUTPUTS & PRICES

	HEATING									COOLING					
	Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30 /20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.		
L	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.
740	1219	**984**	653	731	**591**	392	305	**246**	163	274	**192**	131	206	**142**	95
1100	2438	**1969**	1305	1463	**1181**	783	609	**492**	327	548	**385**	263	413	**285**	191
1450	3657	**2953**	1958	2194	**1772**	1175	914	**738**	490	822	**577**	394	619	**427**	287
1810	4876	**3937**	2611	2925	**2363**	1567	1219	**984**	653	1096	**769**	525	826	**569**	382

EN442 output at 20°C room temperature
Correction factors & pressure drop: see "Technical info" chapter

** Applicable when a required colour is not standard. See page 277.*

TECHNICAL DATA

L	FAN	SOUND PRESSURE*			RATED INPUT			AIR FLOW			WEIGHT	WATER CONTENT
	Number	dB(A)			Watts			m³/h			kg	l
		max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.		
740	1	41.9	**34.6**	25.6	4.4	**3.2**	1.7	100	**75**	45	11.5	0.12
1100	1	46.1	**37.2**	26.2	6.7	**4.8**	2.0	201	**151**	90	16.7	0.28
1450	2	47.5	**39.1**	28.9	10.3	**6.7**	3.5	301	**226**	135	20.7	0.44
1810	2	49.1	**40.2**	29.2	12.1	**8.3**	3.6	401	**301**	180	26.7	0.60

** With an assumed room attenuation of 8 dB(A) / content of the room 75 m³ / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.*

Weight and water content without packaging or options.

SMALLEST

FREEDOM MICRO

75/65 55/45 35/30

ORDERING CODE

code	height	length	width	colour	colour	grille
FDMF.	019	062	14.	XXX.	XXX	/XXX

enter casing colour ref.
enter cover panel colour ref.
enter grille code

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface.
High UV resistance.

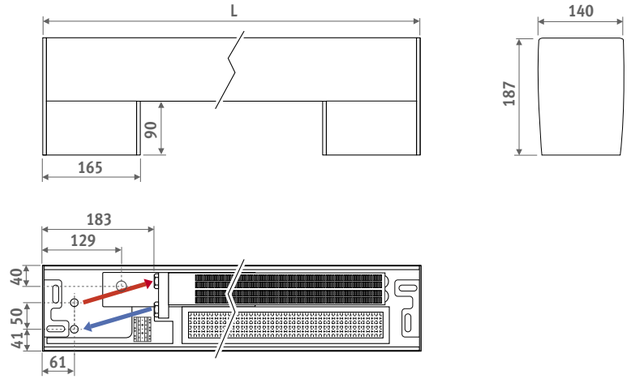
Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart

ELECTRICAL CONNECTION

- 24 VDC clamp connector for electrical connection on the left, to be connected to an external power supply
- Install a thermostat with a volt-free contact to control the water supply with the help of a zone valve.
- Freedom Micro automatically switches on the activators via a temperature sensor.

DIMENSIONS *(in mm)*



HYDRAULIC CONNECTION

- the heat exchangers are same-end connection and are always connected to a two pipe installation on the left hand side, using the stainless steel flexible hoses
- always install Freedom Micro with the heat exchanger on the window side or on the wall side, not on the room side
- allow extra space for curtains between the Freedom casing and the window.
- insulate valve and pipes to prevent condensation when cooling

RECOMMENDED COMBINATIONS

	Heating and/or cooling
Product	Freedom Micro
Connection set	Connection set 91 with 2 lockshields Ordering code: CODY.LOS.00.3... (fill in sleeve coupling code: see p. 312)

OUTPUTS & PRICES

	HEATING									COOLING					
	Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30 /20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.		
L	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.	max.	**med.**	min.
062	N/A	**424**	N/A	N/A	**254**	N/A	N/A	**106**	N/A	N/A	**64**	N/A	N/A	**48**	N/A
097	N/A	**848**	N/A	N/A	**509**	N/A	N/A	**212**	N/A	N/A	**129**	N/A	N/A	**97**	N/A
132	N/A	**1272**	N/A	N/A	**763**	N/A	N/A	**318**	N/A	N/A	**193**	N/A	N/A	**145**	N/A
167	N/A	**1696**	N/A	N/A	**1018**	N/A	N/A	**424**	N/A	N/A	**257**	N/A	N/A	**193**	N/A
202	N/A	**2120**	N/A	N/A	**1272**	N/A	N/A	**530**	N/A	N/A	**322**	N/A	N/A	**242**	N/A

EN442 output at 20°C room temperature
Correction factors & pressure drop: see "Technical info" chapter

** Applicable when a required colour is not standard. See page 277.*

TECHNICAL DATA

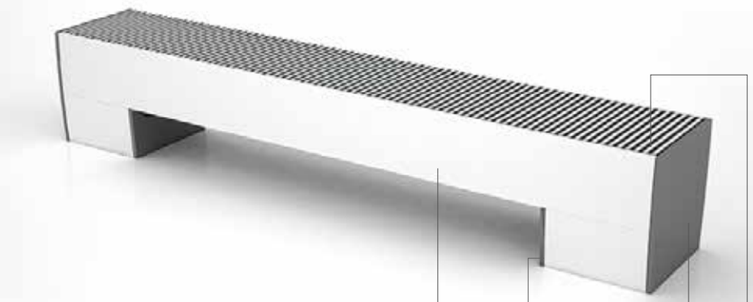
L	FAN	SOUND PRESSURE*			RATED INPUT			AIR FLOW			WEIGHT	WATER CONTENT
	Number	dB(A)			Watts			m³/h			kg	l
062	1	N/A	31.0	N/A	N/A	1.4	N/A	N/A	52	N/A	8.2	0.09
097	1	N/A	31.5	N/A	N/A	1.9	N/A	N/A	104	N/A	12.2	0.18
132	1	N/A	36.5	N/A	N/A	2.0	N/A	N/A	156	N/A	15.7	0.27
167	2	N/A	34.5	N/A	N/A	3.8	N/A	N/A	208	N/A	19.5	0.36
202	2	N/A	37.7	N/A	N/A	4.0	N/A	N/A	260	N/A	23.1	0.45

** With an assumed room attenuation of 8 dB(A) / content of the room 75 m³ / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.*

Weight and water content without packaging or options.

FREEDOM

CODE STRUCTURE - OVERVIEW COLOUR COMBINATIONS



Freedom Clima	FDCF.	020	181	19.	133.	001	/BNA
Freedom Micro	FDMF.	019	167	14	133.	001	/SSS
	code	height	length	width	colour Casing:	colour cover panels	grille code

Standard colours:
traffic white RAL 9016 (133)
sandblast grey (001)

Other colours:
see colour chart

Freedom Clima:
Grille aluminium natural: BNA
Grille aluminium lacquered: BNC/2XX
enter colour code

Freedom Micro:
Grille stainless steel SSS
Grille stainless steel lacquered: SSC/2XX
enter colour code

EXAMPLES

with standard colours



with other colours



Create your own



Design your own print
For more information contact Jaga
Phone: 011531 631 533
Email: jaga@jaga.co.uk
Website: www.jaga.co.uk

COMPOSITION

Natural anodised aluminium grilles with aerodynamically designed fin profiles for improved air movement

Stainless steel grilles
with aerodynamically designed fin profiles for improved air movement

Dynamic Low-H_2O heat exchanger in in copper and aluminium, electrostatically black painted. With "click" steel fastening for easy maintenance

Stainless steel flexible connections 1/2",
15 cm long

Condensate tray
with outlet spiggot ø 10 mm

Electrical connection

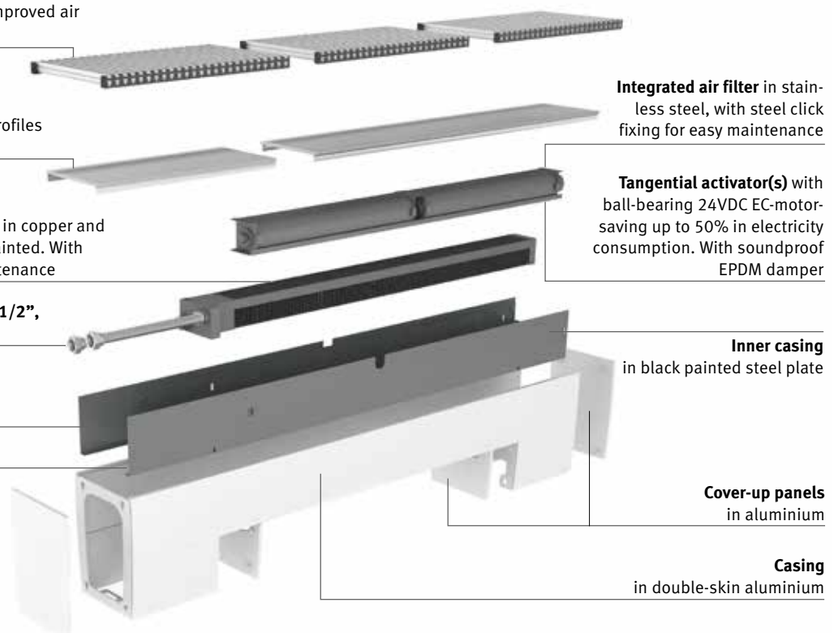
Integrated air filter in stainless steel, with steel click fixing for easy maintenance

Tangential activator(s) with ball-bearing 24VDC EC-motor-saving up to 50% in electricity consumption. With soundproof EPDM damper

Inner casing
in black painted steel plate

Cover-up panels
in aluminium

Casing
in double-skin aluminium

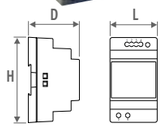


FREEDOM CLIMA & MICRO ▪ OPTIONS

POWER SUPPLY



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Klasse 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	output Watts	Output current A
7990.054	30	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

MAXIMUM CABLE LENGTH IN FUNCTION OF THE **NUMBER OF DEVICES: SEE**

In function of the number of devices: see http://www.jaga.co.uk/en/products/freestanding/freedom

VALVES

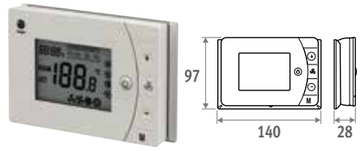
See page 96.

FREEDOM CLIMA ▪ OPTIONS

CLOCK THERMOSTATS HEATING / COOLING

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **3 programmable zones: 5+1+1**
- **LCD display with background lighting**
- **protection category IP30**

Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve contol 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 60mm

CODE	
8751.050013	wall mounted

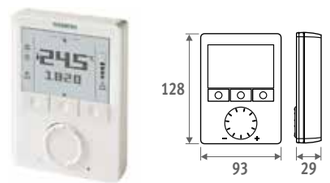
Jaga clock thermostat for recessed/panel mounting



· spacing holes at 60mm
· minimum depth 45mm
· inner dimension 50 x 50mm or ø 60mm

CODE	
8751.050012	recessed/panel mounted

Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
8751.050009	wall mounted

PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- control per appliance
- auto switch heating/cooling



Touch operation

Product contoller

WITH CONTROL PANEL

- indication of operating mode by LED's
- control with touch operation and sensors for water and room temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- heating/cooling/standby with automatic switch (temporary manual adjustment is possible)
- Control:
  - standby
  - heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats (contact Jaga for more information)

CODE	
DPC.FRC4	Heating
DPC.FRC6	Heating and cooling

MICRO CANAL

MAXIMUM WARMTH, MINIMUM DIMENSIONS

The latest Jaga trench heating solution is only 60 mm high and 130 mm wide.

With small, but powerful dynamic Low-H_2O heat exchangers and super-quiet fans that are no wider than a thermostatic radiator valve, it creates immense power.

Micro Canal combines minimalist aesthetics and architectural freedom with a power that breaks all temperature records!

Micro Canal integrates harmoniously with any interior. This provides every architect, designer or engineer the greatest possible design freedom on any project without making any compromises for the heating system.
By using the latest EC motors, Micro Canals consume up to 50% less electricity than traditional motors.

jaga

PRESENTING MICRO CANAL

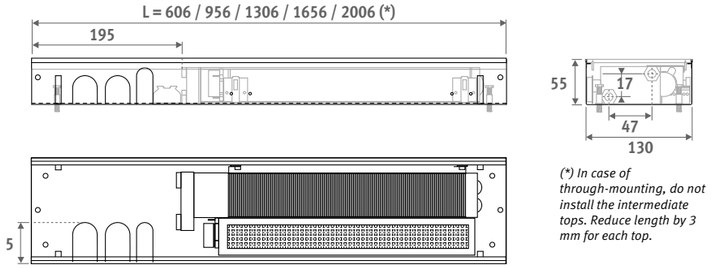


CREATE EMOTION

MICRO CANAL

DIMENSIONS *(in mm)*

Inner casing



(*) In case of through-mounting, do not install the intermediate tops. Reduce length by 3 mm for each top.

Outer casing



Building in-opening: +5 mm

ORDERING CODE

code	height	length	width	grille
MIRF .	006	060	14	. /SSS

fill in grille code

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

With energy efficient EC motor

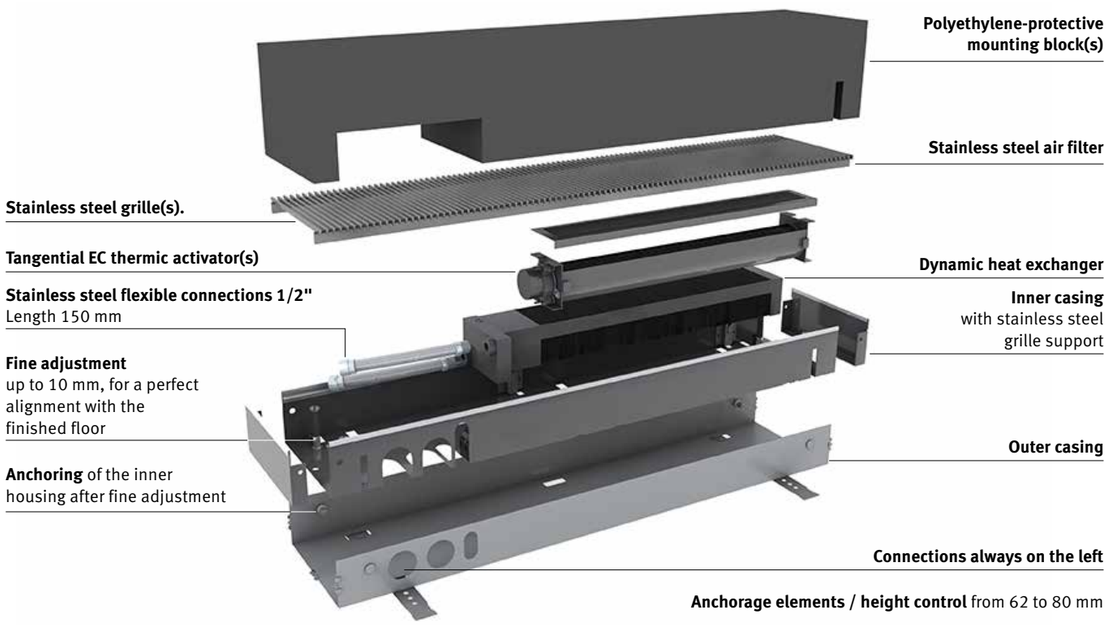
HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Micro Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the Micro Canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

ELECTRIC CONNECTION

- clamp connector for electrical connection 24 VDC to the left, to be connected via external power supply. Install a thermostat with a potential-free contact to control the water supply with the help of a zone valve. Micro Canal automatically switches on the activators via a temperature sensor.

COMPOSITION



MICRO CANAL

MIRF.HHH LLL BB/XXX

			HEATING			ACTIVATORS	SOUND PRESSURE*	POWER CONSUMPTION	AIR FLOW
			Watts	Watts	Watts				*with clean filters*
H	L	B	75/65/20°C	55/45/20°C	35/30/20°C	quantity	dB(A)	Watts	m^3/h
60	600	140	390	234	98	1	18.0	1.6	29.3
	950		780	468	195	1	21.0	1.9	58.5
	1300		1170	702	293	1	22.8	2.2	88.0
	1650		1560	936	390	2	24.0	3.1	117.0
	2000		1950	1170	488	2	25.0	3.5	146.5

** With an assumed room attenuation of 8 dB(A) / content of the room 75 m^3 / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.*

Correction factors & pressure drop: see "Technical info" chapter

RECOMMENDED COMBINATIONS

	Heating
Product	Micro Canal
Power supply	Power supply: ordering code 37603.010002
Connection set	Connection set 92 with 2 lockshields CODY.LOA.00.3... (*fill in sleeve coupling code: see p. 312*)

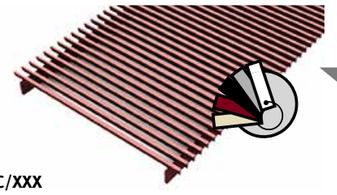
OVERVIEW GRILLES

Stainless steel grilles



SSS
stainless steel

Stainless steel grilles lacquered

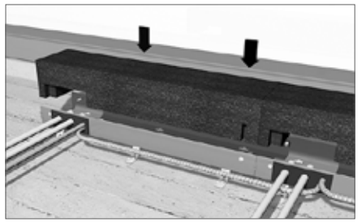


SSC/XXX
stainless steel lacquered

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.
Only in glossy (code 2..) and special colours *006, 005, 026, 028.*

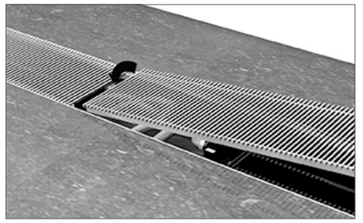
STANDARD DELIVERY

ASSEMBLY & PROTECTION BLOCK



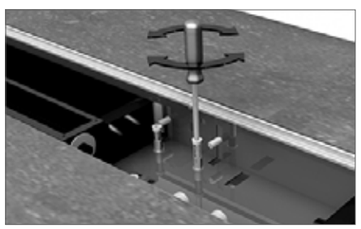
Install the polyethylene protective block(s) as protection on the construction site.

DESIGN GRILLES



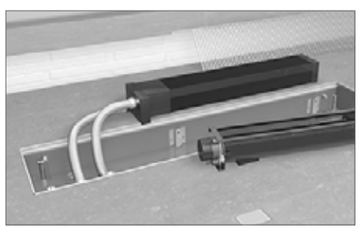
Continuous design grille of stainless steel grilles.

HEIGHT CONTROL



Double height adjustment by means of the anchoring on the outer casing and by fine adjustment with the bolts in the inner housing (adjustable from 62 to 80mm).

FLEXIBLE CONNECTION

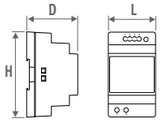


Stainless steel flexible hoses (150 to 250mm), enabling the internal mechanism to be removed completely for easy cleaning.

POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

MAXIMUM CABLE LENGTH

In function of the number of devices: see http://www.jaga.co.uk/en/products/trench-heating/micro-canal

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 145 x B 45 x H 30 cm

CODE	Output Watts	Output current A
37603.010002	30	1.25

VALVES

See page 96

JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230 VAC



- only for mounting on the distributor, not in the Micro Canal!
- with varistor to protect against power surge
- with position indicator (open/closed)
- sleeve couplings have to be provided by the installer

CODE	Description
7990.409	180° - G1/2”F / NG 230V 2Watts
7990.411	180° - G3/4”F / NG 230V 2Watts

VALVE UNIT



- length 350mm
- motorised thermostatic valve 24 VDC with lockshield
- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block

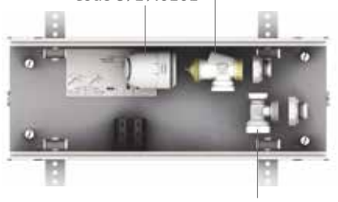
CODE
7522.00603514/SSS/VC
7522.00603514 /SSC/... /VC

fill in colour code

Order sleeve couplings M24

Jaga Thermostatic valve M24 Code 5090.407

Thermoelectric drive 24 VDC Code 8727.0202



Lockshield M24 Code 5090.111

EMPTY HOUSING

To fill open spaces for a continuous installation.



- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block(s)
- 2 head pieces

empty housing with stainless steel grille

CODE	L
7522.00603514/SSS	350
7522.00606014/SSS	600
7522.00609514/SSS	950
7522.00613014/SSS	1300
7522.00616514/SSS	1650
7522.00620014/SSS	2000

empty housing with lacquered stainless steel grille

CODE	L
7522.00603514/SSC/ ...	350
7522.00606014/SSC/ ...	600
7522.00609514/SSC/ ...	950
7522.00613014/SSC/ ...	1300
7522.00616514/SSC/ ...	1650
7522.00620014/SSC/ ...	2000

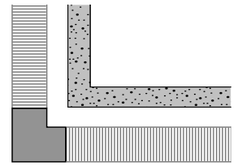
enter colour code

CORNER PIECE



- aluminium cover plate in stainless steel effectÂ (SSS), or lacquered in other Jaga colours (SSC)
- outer casing with anchorage elements
- polyethylene-protective mounting block(s)
- fully assembled inner housing with stainless steel grille support
- height adjustment with fine adjustment for alignment with the finished floor

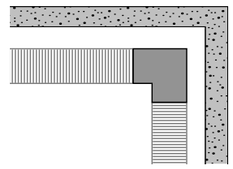
Outer corner



CODE	
7522.00602014/SSS/02	Natural
7522.00602014/SSC /.../02	lacquered

enter colour code

Inner corner

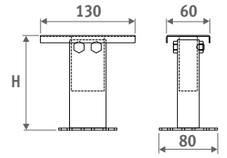


CODE	
7522.00602014/SSS/01	Natural
7522.00602014/SSC /.../01	lacquered

enter colour code

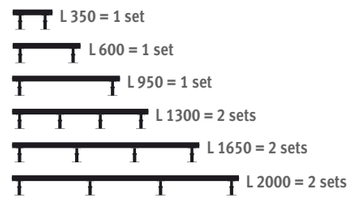
FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS





- lacquered in dark grey RAL 7024.
- easy installation by means of “stainless steel spring system”
- 1 set includes 2 height adjusting controls

Number of sets per Micro Canal



CODE	H
5207.05070000	50 › 70 mm
5207.08130000	80 › 130 mm
5207.13230000	130 › 230 mm
5207.20300000	200 › 300 mm

CLIMA CANAL

COMPLETE CLIMATE CONTROL AND HIGH POWER

Heating, cooling, ventilation
Despite its modest size, Clima Canal is a powerful heating, cooling and ventilation unit all in one. Silent and unobtrusive, Clima Canal provides the greatest possible climatic comfort.

Super-compact and silent
This high-tech Low-H_2O heat exchanger with its thermal activator has been specially developed to deliver record output within super-compact dimensions. All this at a very low noise level! In boost mode, for ultra-quick heating or cooling, the output is even higher.

Using the latest EC motors enables Clima Canals to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

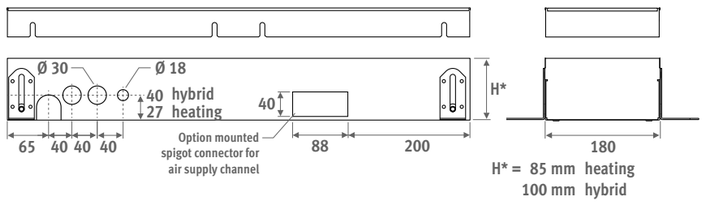
jaga

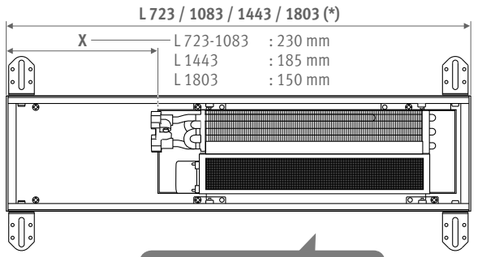
PRESENTING CLIMA CANAL



CLIMA CANAL · SUMMARY

DIMENSIONS *(in mm)*





(*) In case of through-mounting, do not install the intermediate tops. Reduce length by 1 mm for each top.

Building in-opening: +5 mm

75 65 55 45 35 30

ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX

fill in grille code

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

With energy efficient EC motor

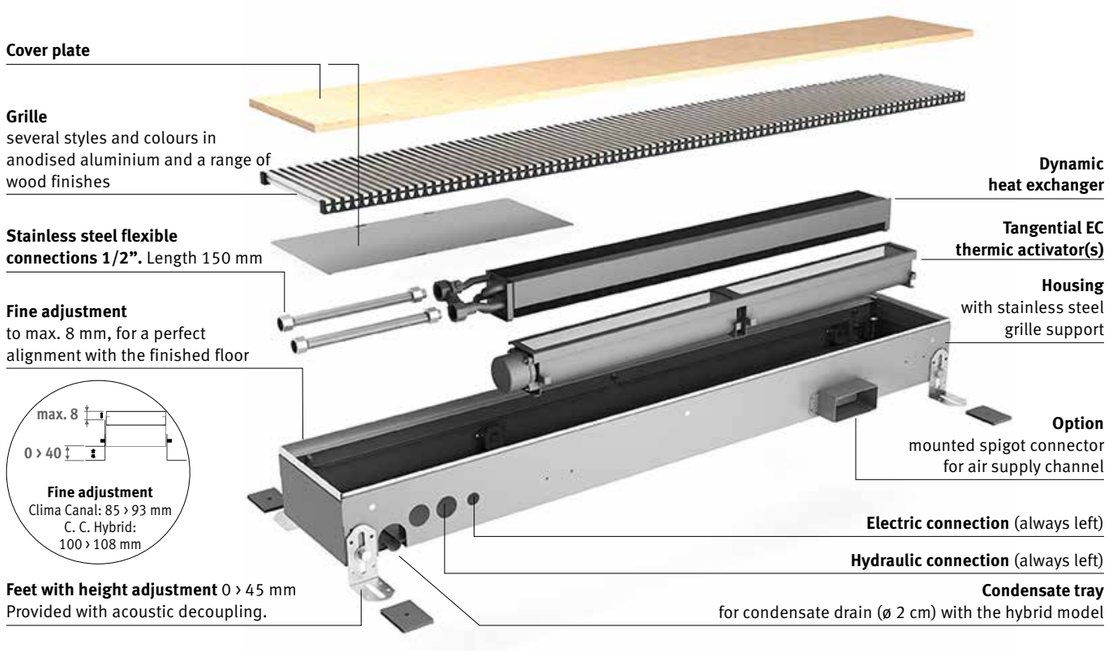
HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

COMPOSITION



HEIGHT 80 · OUTPUT TABLES

CLCM.HHH LLL 18/XXX

		HEATING			COOLING (H100 ONLY)	
		Watts	Watts	Watts	Total cooling	**Sensible cooling**
length	voltage	**75/65/20°C**	**55/45/20°C**	**45/38/20°C**	7/12/27**°C**	**50% RH**
720	4	496	298	213	147	96
	6	699	419	301	244	162
	10	1075	645	462	452	308
1080	4	1021	613	439	303	198
	6	1438	863	618	503	333
	10	2214	1328	952	931	634
1440	4	1605	963	690	476	311
	6	2260	1356	972	790	523
	10	3479	2087	1496	1463	996
1800	4	2188	1313	941	650	424
	6	3082	1849	1325	1077	713
	10	4744	2846	2040	1995	1358

Tested at HLK Stuttgart according to new standard EN 16430:2015

TECHNICAL DATA

			FAN	SOUND PRESSURE**			POWER CONSUMPTION			AIR FLOW		
				dB(A)			Watts			m^3/h		
H	**L**	**B**	Number	10v	**6v**	4v	10v	**6v**	4v	10v	**6v**	4v
80-100	**720**	**180**	1	34	**28**	15	3.1	**2.1**	0.7	70	**63**	37
	1080		1	37	**32**	19	5.3	**3.5**	1.2	142	**129**	75
	1440		2	39	**35**	20	8.6	**6.1**	2.2	213	**191**	113
	1800		2	41	**37**	22	11.5	**7.9**	2.7	284	**256**	150

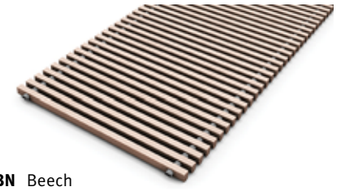
***** Noise measurement according to ISO 3741:2010 with an assumed room attenuation of 8 dB(A) / room volume 75 m^3 / reverberation time 0.5 sec.***
Correction factors & pressure drop: see "Technical info" chapter

OVERVIEW GRILLES

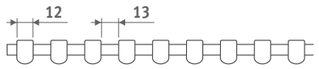
Wooden grilles



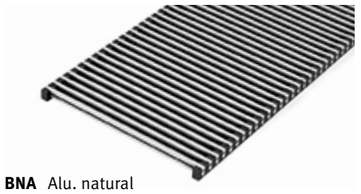
BON Oak
BOV Oak varnished



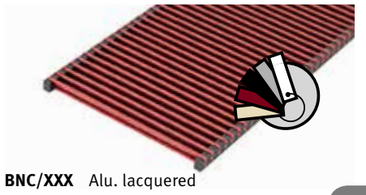
BBN Beech
BBV Beech varnished



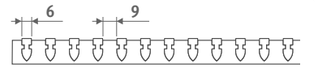
Aluminium grilles



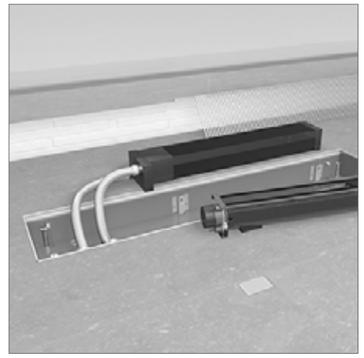
BNA Alu. natural



BNC/XXX Alu. lacquered



To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.
Only in glossy (code 2..) and special colours *006, 005, 026, 028.*



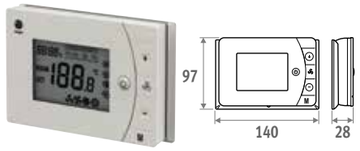
Fully removable internal mechanism for easy cleaning.

CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **programmable zones**
- **LCD display with background lighting**
- **protection category IP30**

Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve contol 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 60 mm

CODE	
8751.050013	wall mounted

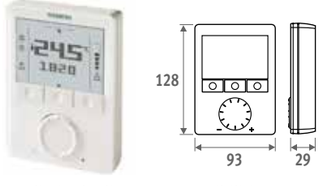
Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  · spacing holes at 60 mm
  · minimum depth 45 mm
  · inner dimension 50 x 50 mm or Ø 60 mm

CODE	
8751.050012	recessed/panel mounted

Siemens clock thermostat for wall mounting



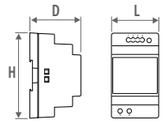
- unlimited adjustment possibilities: 74 features and diagnostic test
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
8751.050009	wall mounted

POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 145 x B 45 x H 30 mm

CODE	output Watts	Output current A
37603.010002	30	1.25

PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- ventilator settings:
  - standby
  - heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga
Phone: 011531 631 533
Email: jaga@jaga.co.uk
Website: www.jaga.co.uk

CODE	
DPC.CC24	Heating
DPC.CC25	Heating and cooling

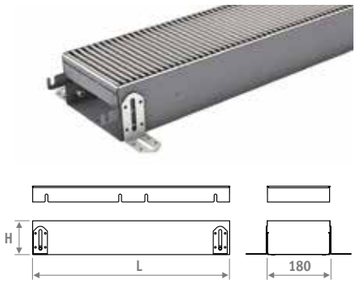


RECOMMENDED COMBINATIONS

	Heating and/or cooling	
	Including thermostat for readjustment	**Excluding thermostat**
Product	Clima Canal	Clima Canal
Regulation	Thermostat heating / cooling Ordering code 8751.050009	Pre-mounted JDPC with control panel DPC.CC24 for heating or DPC.CC25 for heating and cooling
Power supply	Power supply: ordering code 37603.010002	Power supply: ordering code 37603.010002
Connection set	Connection set 97 with 24 VDC 0-10V motor CODY.JA4.10.2... *fill in sleeve coupling code: see p. 325)*	Connection set 99 with 2 lockshields CODY.LOM.00.2... *fill in sleeve coupling code: see p. 325)*

EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment:
  Clima Canal 85 › 133 mm
  Clima Canal Hybrid 98 › 146 mm
- fine adjustment for alignment with the finished floor
- cover plate

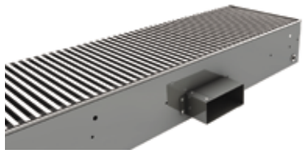
empty housing Clima Canal

	code	*height*	*length*	*width*	*grille*
ORDERING CODE	**CLCD.**	**008**	**072**	**18**	**BNA**

Available in same dimensions as complete units.

MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

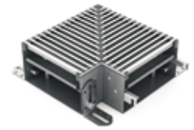
Height 4 x length 9 cm



CODE
/VEN

Add /VEN to the code of Clima Canal.
Example: CLCM. 008 072 18 /XXX **/VEN**

CORNER PIECE



- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment:
- Clima Canal 85 › 133 mm
- Clima Canal Hybrid 98 › 146 mm
- fine adjustment for alignment with the finished floor

Corner piece Clima Canal

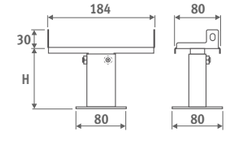
CODE	
CLCD.008 025 18/BNA	Alu. natural
CLCD.008 025 18/BNC/ ...	Alu. lacquered
	enter colour code

Corner piece Clima Canal Hybrid

CODE	
CLCD.010 025 18/BNA	Alu. natural
CLCD.010 025 18/BNC/ ...	Alu. lacquered
	enter colour code

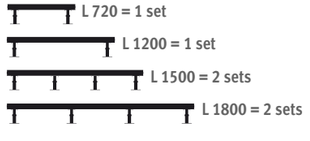
FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS





- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Clima Canal



CODE	H
5209.05070000	50 › 70 mm
5209.08130000	80 › 130 mm
5209.13230000	130 › 230 mm
5209.20300000	200 › 300 mm

CLIMA QUATRO CANAL

SUPER-POWERED CLIMATE CONTROL FOR 4-PIPE SYSTEMS

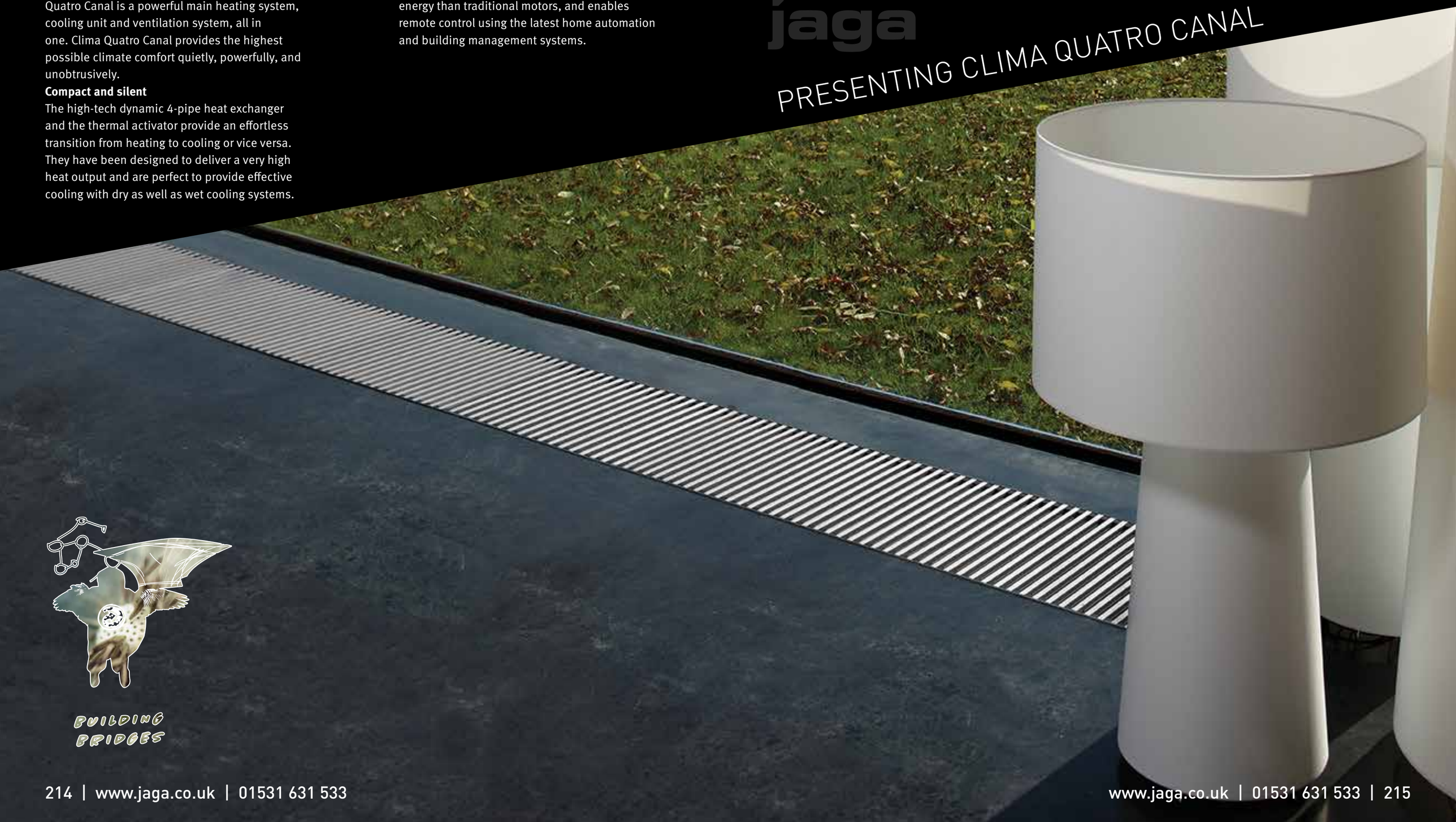
Heating, cooling, ventilation.
Despite its compact dimensions, the Clima Quatro Canal is a powerful main heating system, cooling unit and ventilation system, all in one. Clima Quatro Canal provides the highest possible climate comfort quietly, powerfully, and unobtrusively.

Compact and silent
The high-tech dynamic 4-pipe heat exchanger and the thermal activator provide an effortless transition from heating to cooling or vice versa. They have been designed to deliver a very high heat output and are perfect to provide effective cooling with dry as well as wet cooling systems.

Using the latest EC motors enables Clima Quatro Canals to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

jaga

PRESENTING CLIMA QUATRO CANAL

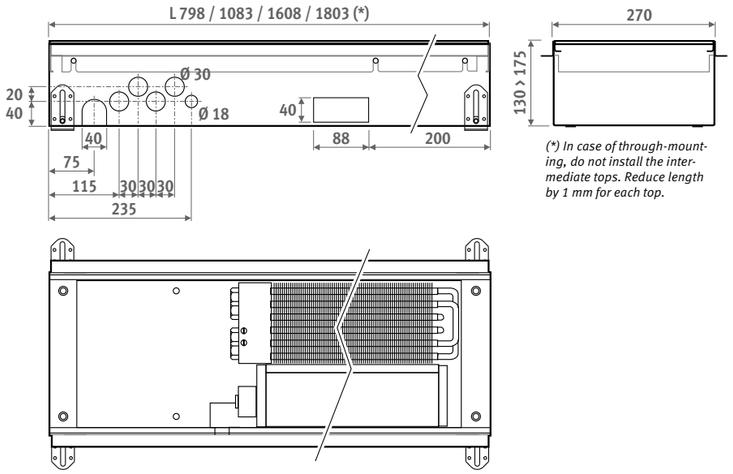


BUILDING BRIDGES

CLIMA QUATRO CANAL · SUMMARY

75/65 55/45 35/30

DIMENSIONS *(in mm)*



(*) In case of through-mounting, do not install the intermediate tops. Reduce length by 1 mm for each top.

ORDERING CODE

code	*height*	*length*	*width*	*grille*
QUAF .	013	080	27	/XXX

enter grille code

DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

With energy efficient EC motor

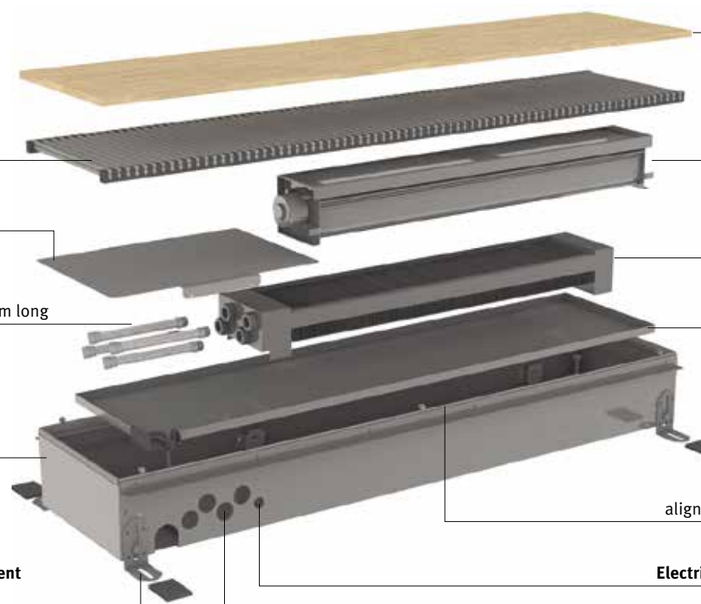
HYDRAULIC CONNECTION

- the 4-pipe heat exchanger with one-sided connection on the left always has to be connected to an installation with two seperated hydraulic systems
- always install Micro Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

ELECTRICAL CONNECTION

- clamp connector for 24 VDC electrical connection, left side, to be connected via external power supply.
- speed control activator(s) 0-10 V

COMPOSITION



HEIGHT 130 · OUTPUT TABLES

CLCM.HHH LLL 18/XXX

		HEATING			COOLING	
					Total cooling	**Sensible cooling**
length	voltage	**75/65/20°C**	**55/45/20°C**	**45/38/20°C**	7/12/27**°C**	**50% RH**
800	4	590	354	254	230	150
	6	**786**	**472**	**338**	**326**	**216**
	10	1126	676	484	544	370
1100	4	1015	609	436	396	258
	6	**1351**	**811**	**581**	**561**	**372**
	10	1936	1162	832	935	636
1600	4	1779	1067	765	694	453
	6	**2367**	**1420**	**1018**	**984**	**651**
	10	3394	2037	1459	1639	1116
1800	4	2229	1338	958	870	567
	6	**2967**	**1780**	**1276**	**1233**	**816**
	10	4255	2553	1830	2055	1398

Tested at HLK Stuttgart according to new standard EN 16430:2015

TECHNICAL DATA

			FAN	SOUND PRESSURE** dB(A)			RATED INPUT Watts			AIR FLOW m³/h		
H	**L**	**B**	Number	10v	**6v**	4v	10v	**6v**	4v	10v	**6v**	4v
130	**800**	**270**	1	38	**35**	19	8.5	**5.2**	1.9	N/A	**90**	N/A
	1100		1	39	**36**	24	14.0	**8.2**	2.3	N/A	**170**	N/A
	1600		2	41	**38**	25	22.0	**14.1**	4.3	N/A	**260**	N/A
	1800		2	42	**39**	26	28.0	**18.0**	4.9	N/A	**340**	N/A

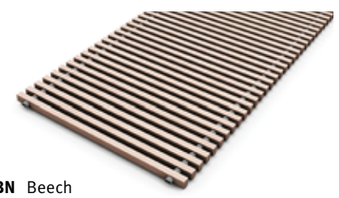
***** Noise measurement according to ISO 3741:2010 with an assumed room attenuation of 8 dB(A) / room volume 75 m³ / reverberation time 0.5 sec.***
Correction factors & pressure drop: see "Technical info" chapter

OVERVIEW GRILLES

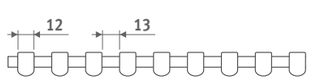
Wooden grilles



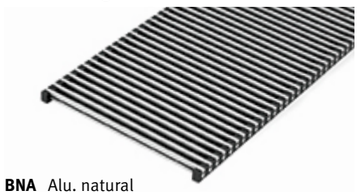
BON Oak
BOV Oak varnished



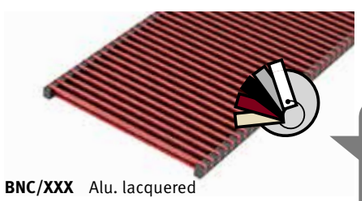
BBN Beech
BBV Beech varnished



Aluminium grilles

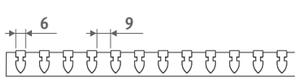


BNA Alu. natural



BNC/XXX Alu. lacquered

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.
Only in glossy (code 2..) and special colours *006, 005, 026, 028.*

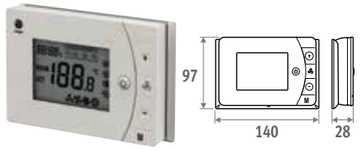


CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **programmable zones**
- **LCD display with background lighting**
- **protection category IP30**

Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve contol 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 60mm

CODE	
8751.050013	wall mounted

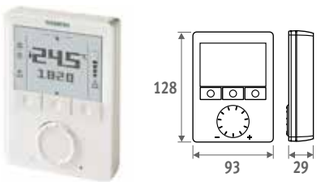
Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - · spacing holes at 60mm
  - · minimum depth 45mm
  - · inner dimension 50 x 50mm or Ø 60mm

CODE	
8751.050012	recessed/panel mounted

Siemens clock thermostat for wall mounting



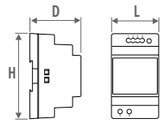
- unlimited adjustment possibilities: 74 features and diagnostic test
- *For more information contact Jaga*
  Phone: 011531 631 533
  Email: jaga@jaga.co.uk
  Website: www.jaga.co.uk

CODE	
8751.050009	wall mounted

POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 145 x B 45 x H 30mm

CODE	output Watts	Output current A
37603.010002	30	1.25

PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- ventilator settings:
  - o standby
  - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.QU72

For more information contact Jaga
Phone: 011531 631 533
Email: jaga@jaga.co.uk
Website: www.jaga.co.uk

CODE	
DPC.QU25	Heating and cooling



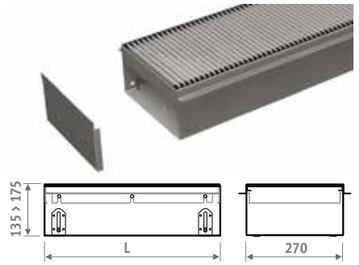
Touch operation — Product contoller

RECOMMENDED COMBINATIONS

	Heating and/or cooling	
	Including thermostat for readjustment	**Excluding thermostat**
Product	Clima Quatro Canal	Clima Quatro Canal
Regulation	Thermostat heating / cooling Ordering code 8751.050009	Pre-mounted JDPC with control panel DPC.QU25 for heating and cooling
Power supply	Power supply: ordering code 37603.010002	Power supply: ordering code 37603.010002
Connection set	Connection set 97 with 24 VDC 0-10V motor CODY.JA4.10.2... *fill in sleeve coupling code: see p. 325)*	Connection set 99 with 2 lockshields CODY.LOM.00.2... *fill in sleeve coupling code: see p. 325)*

EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or wooden grille
- casing with stainless steel grille support
- height adjustment and fine adjustment for alignment with the finished floor
- cover plate

	code	*height*	*length*	*width*	*grille*
ORDERING CODE	**QUAD.**	**013**	**080**	**27**	**/BNA**

Available in same dimensions as complete units.

CORNER PIECE



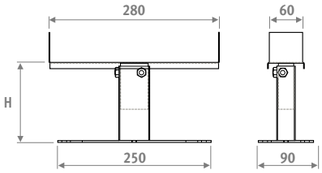
- aluminium grille natural or lacquered
- housing with stainless steel grille support
- height adjustment
- fine adjustment for alignment with the finished floor

CODE	
QUAD.013 039 27/BNA	Alu. natural
QUAD.013 039 27/BNC/ ...	Alu. lacquered

enter colour code

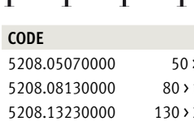
FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS





- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Clima Quatro Canal



CODE	H
5208.05070000	50 › 70 mm
5208.08130000	80 › 130 mm
5208.13230000	130 › 230 mm
5208.20300000	200 › 300 mm

JAGA AVS® UNIT HEATER

AIR VENTURI SYSTEM INCLUDED

The Jaga unit heater is the master of air flow. Even in the biggest spaces.

Its secret weapon? The Air Venturi System, which immediately blends heated air with the ambient air.

The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!

jaga

PRESENTING JAGA AVS® UNIT HEATER



jaga TOP PERFORMERS

JAGA UNIT HEATER
FEATURING JAGA'S AIR VENTURI SYSTEM **AVS®**

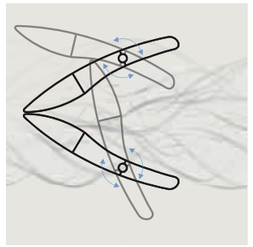
NEW COLLECTION WITH EC MOTORS
UNIQUE AIR VENURI SYSTEM
EXTREMELY ENERGY EFFICIENT
FINE TUNING

FASTER HEATING UP

All Jaga unit heaters are equipped with our unique Air Venturi System as standard. The result is a lower exhaust temperature combined with an equal capacity which create a significant improvement in the heat carrying capacity and the temperature distribution. This system offers a number of additional and innovative control options.

LOWER ENERGY CONSUMPTION

The AVS® system facilitates improved temperature distribution, which means that the running times are reduced, saving energy.





LOW-H_2O HEAT EXCHANGER

Heat exchanger made from aluminium fins placed on mechanically expanded copper tubes, which are connected to steel collectors. The ideal combination of these materials guarantees optimum heat conductivity.
5 Sizes of heat exchangers with 2 or 3 rows of pipes.
Heat output from 4.5 up to 78.6 kiloWatts at ΔT 50.

ATTRACTIVE FINISH

A totally new construction with no visible screws or rivets. A high quality sandblasted grey lacquered (001) scratch resistant and dirt repellent finish. Aerodynamic exhaust made of satin black lacquered aluminium. Easy to install, left / right reversible.

ELECTRICITY CONSUMPTION UP TO 45% LOWER

- EC motors, highly efficient at any speed
- low-noise, up to -6 dB(A); generated by the single unit plastic HyBlade® fan combined with EC motor technology, with seamless operation of the motor and electronic switching
- low heat generation considerably extends the service life of the entire fan unit

SIMPLE INSTALLATION AND CONTROL

- 0-10 VDC variable control
- an expensive switching box for power supply control and/or frequency control is not necessary
- virtually maintenance free because the absence of carbon brushes



HEATED INDIRECTLY

- no exhaust fumes
- higher efficiency
- better control
- safer

NUMEROUS APPLICATIONS

Ideal for industrial spaces, sports halls, warehouses, garages, department stores, greenhouses, conservatories, exhibition halls, supermarkets, shopping centres, and any large spaces that are used only occasionally, and that need to be heated up quickly.

JAGA **AVS®** AIR VENTURI SYSTEM:GREATER DISTRIBUTION WITH THE SAME POWER

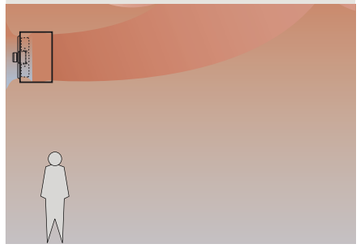
Jaga unit heaters are equipped with our unique Air Venturi System as standard. The result is a lower exhaust temperature combined for an equivalent heat output which create a significant improvement in the heat carrying capacity and the temperature distribution. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!

Why AVS®?

The main problem with unit heaters in general is the heat accumulation at the roof or ceiling level especially in high level roof spaces. The temperature difference between the floor and the ceiling increases in proportion to the exhaust temperature of the unit heater. The higher the exhaust temperature the faster the heated air rises, pushing the cooler down to floor level.
Consequently more energy will be required to heat up the floor area in order to create a comfortable temperature. Higher air flow, lower exhaust temperature or additional fans can soften up the problem, but result in a considerable increase in cost or more noise.

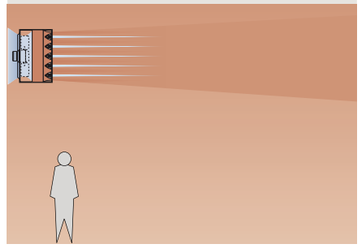
Standard unit heaters

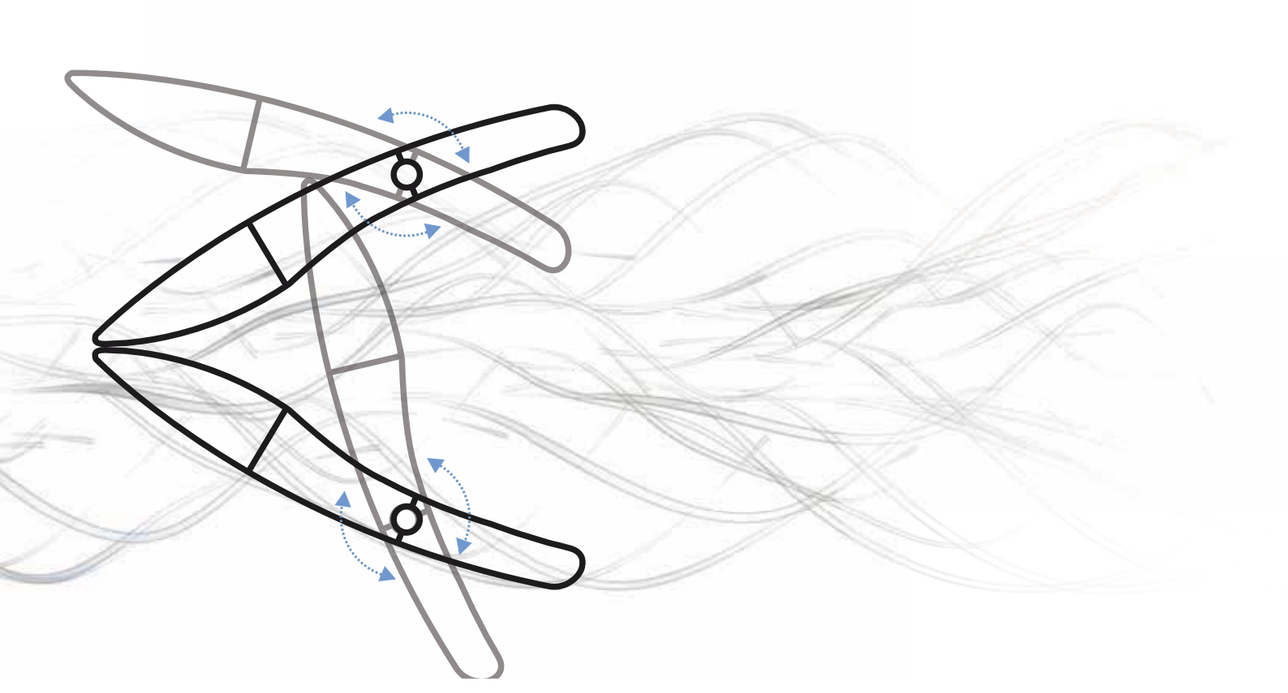
Due to the higher air exhaust temperature the hot air will rise too quickly and the cooler air will consequently be pushed downwards.



The Jaga solution: Air Venturi System

With the Air Venturi System the air exhaust temperature is lower, which greatly reduces the up-draught giving you an even temperature, faster heating up and better energy efficiency.





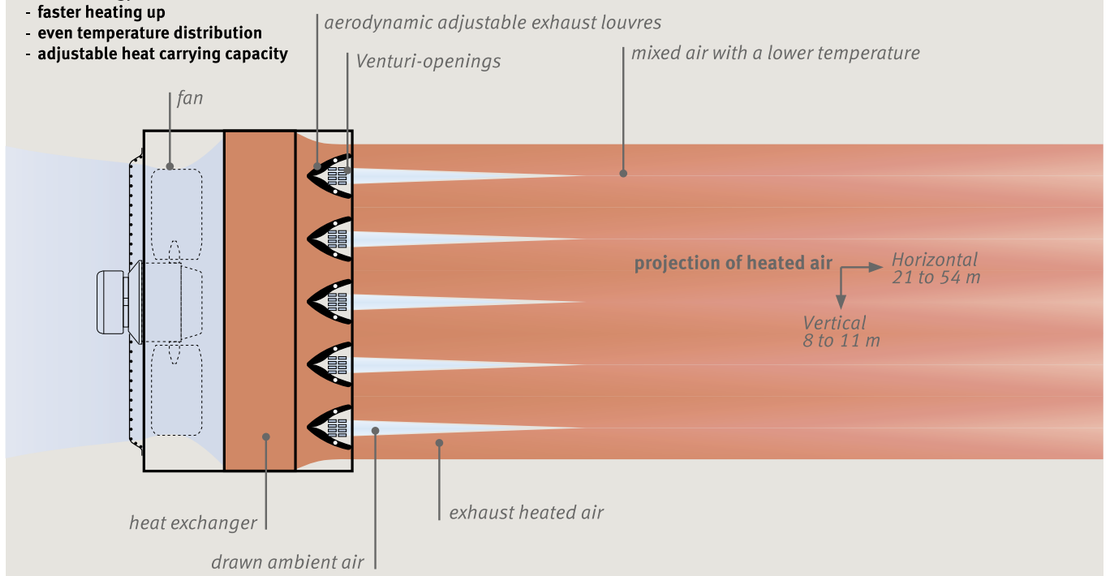
JAGA **AVS®**: HOW DOES IT WORK

The Jaga AVS® is provided with Venturi-openings and aerodynamic adjustable exhaust louvres each of which can be adjusted separately. These adjustable louvres may be placed in a normal parallel position, but they may also be directed in pairs towards each other.
In this position the exhaust opening will be reduced and due to the form of the adjustable louvres an underpressure will be created at the height of the Venturi-openings. This means that all of the ambient air will be drawn in and mixed with the heated exhaust air, resulting in a lower exhaust air temperature.
The ascending power of the air is reduced, resulting in more equal temperature. This also means that the space heats up faster.

The adjustable louvres in Venturi position

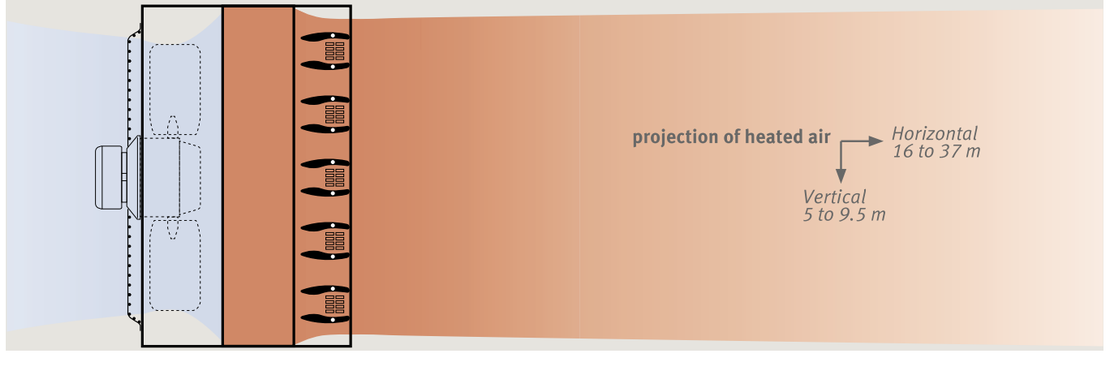
Both the exhaust direction and the heat carrying capacity are adjustable. By adding cooler ambient air the exhaust temperature will drop and a more stable air jet and larger heat carrying capacity will be obtained.

Advantages :
- **higher comfort**
- **lower energy cost**
- **faster heating up**
- **even temperature distribution**
- **adjustable heat carrying capacity**



The adjustable louvres in parallel position

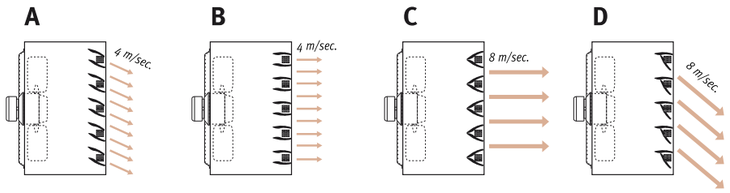
This is the normal position with typical standard unit heaters. Without special accessories it is almost impossible to adjust the air jet. Only the exhaust direction may slightly be adjusted by moving the slats.



AIR VENTURI SYSTEM®

POSITIONING

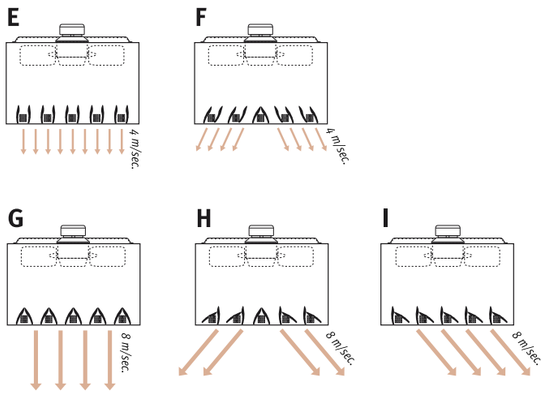
Wall mounting



HEIGHT	POSITION
2.5 to 3 m	B or C
3 to 4 m	A
› 4 m	D

Tested with unit heater 221. For other types contact the Jaga technical department.

Ceiling design



HEIGHT	POSITION
H ‹ Table	E or F
H = Table	G, H or I

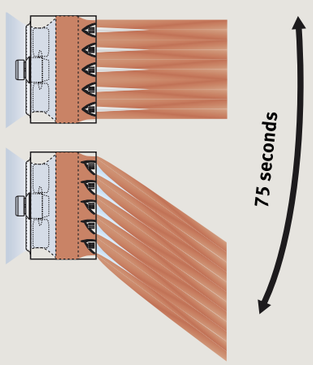
THE MODULATING AVS® VERSION

With the modulating AVS® version the exhaust louvres are linked in pairs and connected to a servo motor. This motor produces a continuous back and forth movement of the adjustable louvres. This creates turbulence and provides an even better temperature distribution. The angle of movement can easily be adjusted from 0 to 90°. A complete cycle takes around 150 seconds.

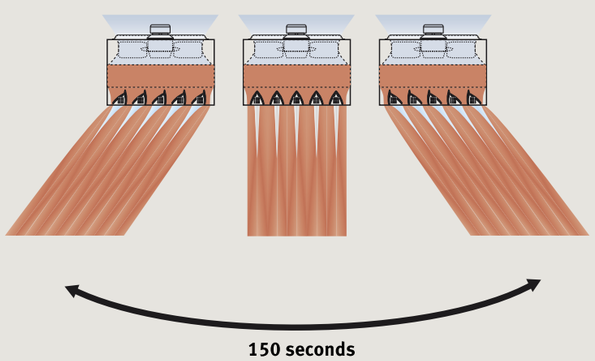
The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory.

Mini unit heater (code 021 and 031) are not available as a modulating version.

Wall mounting: position 45°

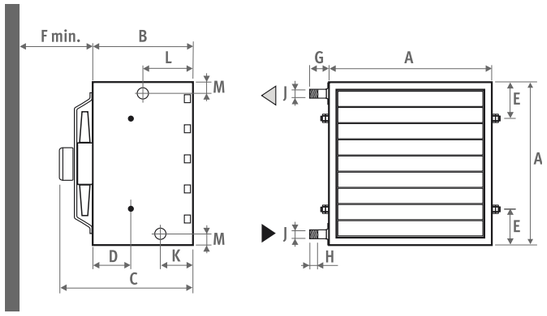


Ceiling mounting: position 90°



DIMENSIONS · HYDRAULIC CONNECTION

DIMENSIONS *(in mm)*

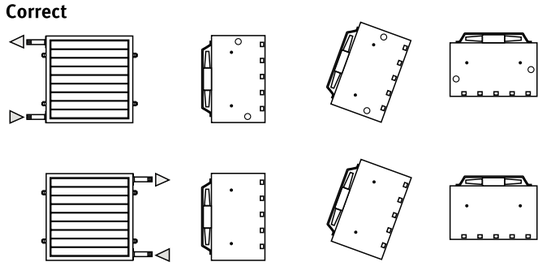


	Mini unit heater									
Type	021	031	120	130	220	230	320	330	420	430
A	410	410	530	530	650	650	770	770	890	890
B	400	400	400	400	400	400	440	440	400	400
C	430	430	480	480	498	498	572	572	551	551
D	151	151	151	151	151	151	151	151	151	151
E	105	105	115	115	125	125	135	135	145	145
F	300	300	350	350	450	450	560	560	650	650
G	48	48	48	48	48	48	51	51	51	51
H	22	22	22	22	22	22	25	25	25	25
ø J*	G3/4”	G3/4”	G1”	G1”	G1”	G1”	G6/4”	G6/4”	G6/4”	G6/4”
K	129	129	129	129	129	129	129	129	129	129
L	198	198	198	198	198	198	198	198	198	198
M	45	45	45	45	45	45	52	52	52	52
kg	20	22	30	32	43	46	56	59	71	75

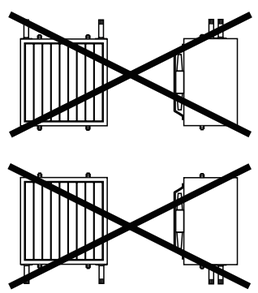
* BSP Male

HYDRAULIC CONNECTION

Correct

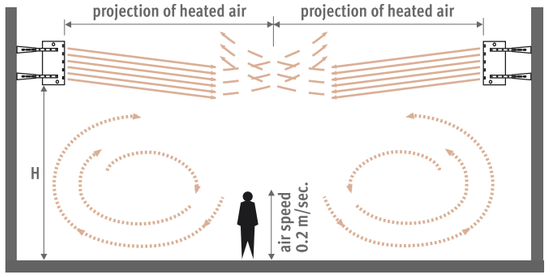


Incorrect

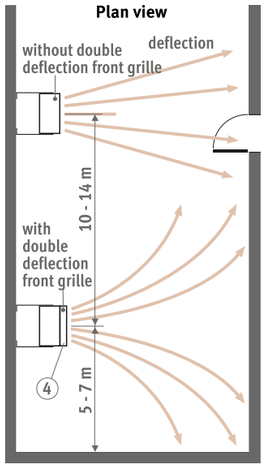


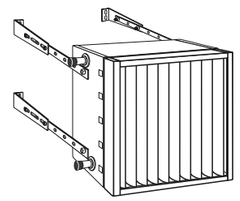
MOUNTING

Wall mounting



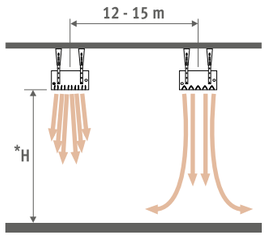
In order to maintain comfort, please avoid blowing heated air directly at people.



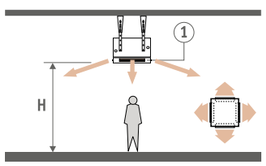


In small rooms a front grille must be fitted for double deflection to prevent too high a temperature at the opposite wall. The louvres are assembled both vertically and horizontally.

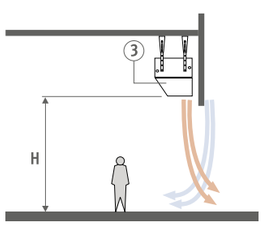
Ceiling design



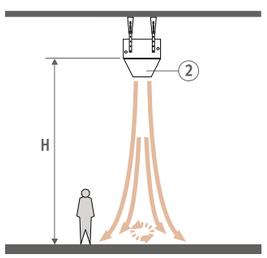
AVS® Position: see p. 7
*H see table page 10



In case of low ceilings a better horizontal diffusion should be obtained by using a 4 sided air diffuser.



In order to prevent cold air entering the room via openings, a mouth piece is available.



With ceilings higher than 6 metres an exhaust cone must be fitted on the appliance.

AVS® UNIT HEATER WITH EC MOTOR

Type		control voltage	Output			Air exhaust temperature*			Revolutions	Air flow	Sound pressure	Hot air projection horizontal**			Hot air projection vertical**						
			Tv 75 Tr 65 Tl 20	Tv 55 Tr 45 Tl 20	Tv 35 Tr 30 Tl 20	Tl 20											mouth	cone	air diffuser.		
CODE			ΔT=50	ΔT=30	ΔT=12.5	ΔT=50	ΔT=30	ΔT=12.5			at 5m	H min.	with AVS®	without AVS®	H max.	H max.	H max.	H max.	H max.	4 sides open	2 sides open
		V	kWatts	kWatts	kWatts	°C	°C	°C	RPM	m³/h	dB(A)	m	m	m	m	m	m	m	m	m	m
Mini unit heater	UNIT.021/EC	10	7.3	4.4	1.8	35	21	21	1375	1470	42		21.0	16.0	8.0	5.5			2.5	5.0	10.0
		8	7.1	4.2	1.8	36	22	22	1220	1300	41		19.0	14.0	6.5	4.5				4.5	9.0
		6	6.4	3.8	1.6	38	23	22	1020	1060	33	2.5	15.0	12.0	5.0	3.5			2.5	3.5	7.0
		4	5.5	3.3	1.4	41	25	23	775	770	26		11.0	8.0							
		2	4.5	2.7	1.1	44	26	23	575	540	22		8.0	6.0							
	UNIT.031/EC	10	9.6	5.8	2.4	42	25	23	1370	1290	43		19.0	14.0	7.5	5.0			2.5	4.5	9.0
		8	9.0	5.4	2.3	43	26	23	1230	1140	42		17.0	12.0	6.5	4.5				4.0	8.0
		6	8.1	4.8	2.0	45	27	24	1030	930	34	2.5	14.0	10.0	5.0	3.5			2.5	3.0	6.5
		4	6.5	3.9	1.6	49	28	24	780	660	27		10.0	7.0							
		2	5.3	3.2	1.3	54	32	25	570	450	23		7.0	5.0							
	UNIT.121/EC	10	15.7	9.4	3.9	41	25	23	1390	2160	52		23.0	18.0	8.0	5.5	3.5	9.0	2.5	6.0	12.5
		8	14.6	8.8	3.7	44	26	23	1230	1750	48		19.0	14.0	6.5	4.5		7.5		5.0	10.0
		6	13.0	7.8	3.2	48	28	24	920	1380	40	2.5	15.0	11.0	5.0	3.5	3.5	6.0	2.5	4.0	8.0
		4	10.7	6.4	2.7	51	30	25	650	1000	33		11.0	8.0							
		2	8.0	4.8	2.0	56	32	26	490	650	29		7.0	5.0							
	UNIT.131/EC	10	20.1	12.0	5.0	50	29	25	1390	1990	53		22.0	16.0	7.5	5.0	3.0	8.5	2.5	6.0	11.5
		8	19.3	11.6	4.8	53	31	25	1230	1740	49		19.0	14.0	6.5	4.5		7.5		5.0	10.0
		6	16.7	10.0	4.2	58	34	26	920	1290	41	2.5	14.0	11.0	5.0	3.5	3.0	5.5	2.5	3.5	7.5
		4	12.2	7.3	3.1	63	37	27	650	830	34		9.0	7.0							
		2	9.2	5.5	2.3	66	38	28	490	590	30		6.0	5.0							
	UNIT.221/EC	10	30.4	18.2	7.6	39	23	22	1330	4640	51		37.0	28.0	10.0	6.0	4.5	11.0	2.5	11.0	21.5
		8	28.6	17.2	7.2	41	25	23	1130	4050	45		33.0	25.0	8.5	5.0		9.5		10.0	18.5
		6	26.4	15.8	6.6	43	25	23	910	3400	38	2.5	27.0	21.0	7.5	4.5	4.5	8.0	2.5	8.0	15.5
		4	21.7	13.0	5.4	48	28	24	680	2320	31		19.0	14.0							
		2	18.0	10.8	4.5	53	31	25	500	1580	26		13.0	10.0							
	UNIT.231/EC	10	36.7	22.0	9.2	44	26	23	1330	4400	53		35.0	27.0	9.5	5.5	4.0	10.5	2.5	10.5	20.0
		8	34.6	20.8	8.6	47	28	24	1130	3710	47		30.0	23.0	8.0	5.0		9.0		9.0	17.0
		6	31.1	18.7	7.8	51	30	25	910	2940	40	2.5	24.0	18.0	6.5	4.0	4.0	7.0	2.5	7.0	13.5
		4	25.9	15.6	6.5	56	33	26	680	2100	33		17.0	13.0							
		2	21.2	12.7	5.3	62	36	27	500	1480	28		12.0	9.0							
	UNIT.321/EC	10	40.2	24.1	10.0	40	24	23	910	6030	48		40.0	30.0	10.5	6.5	5.0	11.5	3.0	12.5	22.5
		8	39.2	23.5	9.8	40	24	23	710	5600	40		37.0	28.0	10.0	6.0		10.5		11.5	21.0
		6	36.0	21.6	9.0	43	26	23	520	4580	33	3.0	30.0	23.0	8.0	5.0	5.0	8.5	3.0	9.5	17.0
		4	29.1	17.5	7.3	48	28	24	380	3060	28		20.0	15.0							
		2	22.5	13.5	5.6	54	32	25	290	1950	25		13.0	10.0							
	UNIT.331/EC	10	51.7	31.0	12.9	48	28	24	910	5500	50		36.0	27.0	9.5	6.0	4.5	10.5	3.0	11.5	20.5
		8	44.8	26.9	11.2	52	30	25	710	4130	42		27.0	21.0	7.0	4.5		8.0		8.5	15.5
		6	35.6	21.4	8.9	56	33	26	520	2860	34	3.0	19.0	14.0	5.0	3.0	4.5	5.5	3.0	6.0	10.5
		4	27.9	16.8	7.0	61	35	27	380	2010	29		13.0	10.0							
		2	24.8	14.9	6.2	63	36	27	290	1700	25		11.0	8.0							
	UNIT.421/EC	10	65.2	39.1	16.3	41	25	23	850	9070	51		54.0	41.0	11.0	9.5	6	12.5	3.0	15.5	27.0
		8	53.6	32.1	13.4	43	26	23	620	6760	42		40.0	31.0	8.5	7.0		9.5		11.5	20.0
		6	44.2	26.5	11.1	46	27	24	460	5030	36	3.0	30.0	23.0	6.0	5.5	6	7.0	3.0	8.5	15.0
		4	35.1	21.1	8.8	50	30	25	340	3380	32		20.0	15.0							
		2	29.7	17.8	7.4	56	32	26	250	2430	28		14.0	11.0							
	UNIT.431/EC	10	78.6	47.2	19.7	48	28	24	850	8290	52		49.0	37.0	10.0	8.5	5.5	11.5	3.0	14.0	25.0
		8	65.4	39.2	16.4	52	30	25	620	6060	43		36.0	27.0	7.5	6.5		8.5		10.5	18.0
		6	53.6	32.2	13.4	55	32	26	460	4460	38	3.0	27.0	20.0	5.5	4.5	5.5	6.0	3.0	7.5	13.5
		4	41.6	24.9	10.4	60	35	27	340	3030	33		18.0	14.0							
		2	32.3	19.4	8.1	66	38	28	250	2040	30		12.0	9.0							

* At the heat exchanger, before the AVS®-effect reduces the temperature.

OPTIONS FOR EC MOTOR

DELIVERY

Completely pre-assembled apparatus for mounting against wall or ceiling, supplied in sturdy cardboard packaging:
- standard with Air Venturi System
- 2 row or 3 row heat exchanger
- casing in sandblast grey (001), fine texture metallic lacquer

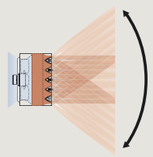
ORDERING CODE

code type
UNIT . 021 /EC *(standaard AVS®)*
fill in type (2 = 2 rows of pipes) (3 = 3 rows of pipes)

ORDERING CODE MODULATING

code type
UNIM . 221 /EC *(modulating AVS®) see p. 8*
fill in type (2 = 2 rows of pipes) (3 = 3 rows of pipes)

fixed surcharge modulating



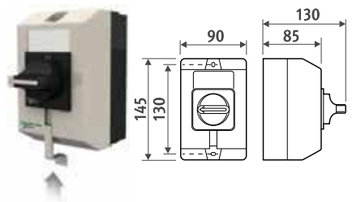
The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory. Mini unit heater (code 021 and 031) not available as a modulating version.

Wiring diagram available on request:

CODE
27200.20060001

ISOLATION SWITCH

For use with all unit heater models.
Pre-mounted to the side when ordered together with the unit heater
- application: safe isolation of power during maintenance or replacement of parts
- 1 switch per unit heater
- ON/OFF function
- lockable in off position for safety

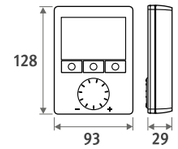


Add to the code of the unit heater /LS
Ex. UNIT.021/EC/**LS**

Isolation switch

THERMOSTATIC





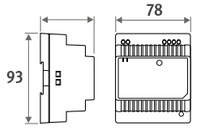
- automatic thermostat
- day / night and week program
- room regulator for one room
- automatic or manual changeover heating/ cooling
- display with background lighting
- power supply 24 VDC
- output control 0-10 VDC
- valve contol 0-10 VDC
- min. and max. temperature control

CODE
8751.050009

POWER SUPPLY FOR THERMOSTATIC 8751.050009



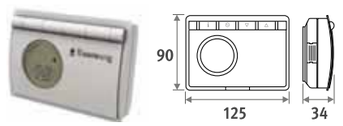
The guarantee is only valid if the original Jaga power supply is used.



- for DIN-rail or wall mounting
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output	Output current
	Watts	A
7990.050	31	1.3

JAGA CLOCK THERMOSTAT

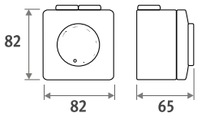


Automatic thermostat with day - night and week programme. Activators: auto / continuous. Batteries included

CODE
7990.073

POTENTIOMETER





- continuously variable speed control for max. 10 EC motors
- synthetic housing ASA, RAL 9010
- for wall-mounting or built-in
- splash-proof IP44
- power supply 230 VAC
- output voltage 0..10 VDC (max. 8 mA)

CODE
8751.050008

OTHER OPTIONS

- Bracket and Fixing set p. 230-231
- Air exhaust options p. 232-233
- Air inlet options p. 234
- Servo motor p. 235

BRACKET AND FIXING SET

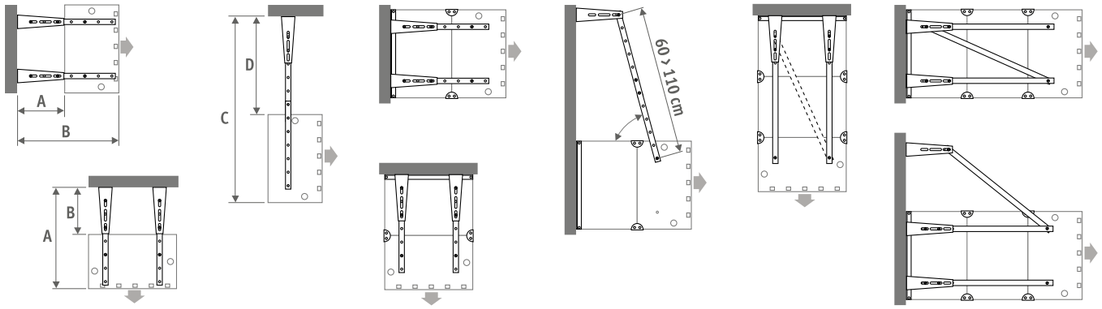
WHICH BRACKETS AND FIXING SETS TO USE?

Without air inlet options

Set of brackets A

With 1 air inlet option
(not available with Mini unit heater)
Set of brackets A + fixing set A

With 2 air inlet options
(not available with Mini unit heater)
set of brackets B + fixing set B

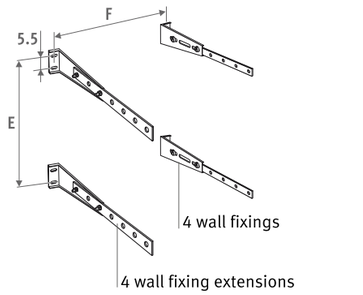


TYPE	A		B		C		D		E	F	G
	min.	max.	min.	max.	min.	max.	min.	max.			
000 (Mini)	360	670	770	1070	725	1325	315	1015	- -	- -	- -
100	360	670	770	1070	835	1435	305	905	355	530	635
200	360	670	770	1070	945	1445	295	795	455	650	755
300	360	670	770	1070	1055	1455	285	685	555	770	875
400	360	670	770	1070	1165	1465	275	575	655	890	995

SET OF BRACKETS A

For unit heater without or with one air inlet option

- carrying capacity: 150 kg
- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

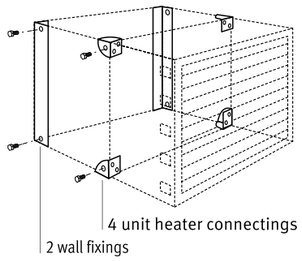


CODE
8376.010100

FIXING SET A

For mounting of 1 air inlet option

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127



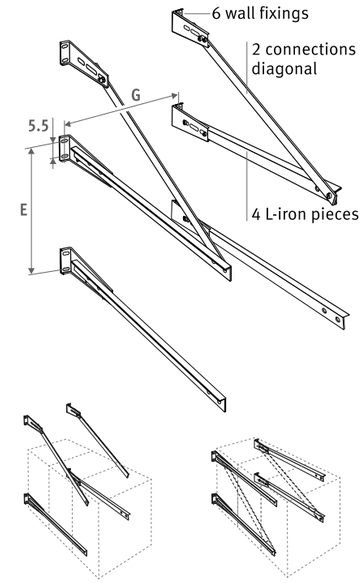
CODE	Type
8376.040001	100
8376.040002	200
8376.040003	300
8376.040004	400

⚠ to use together with set of brackets A

SET OF BRACKETS B

For unit heater with two air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

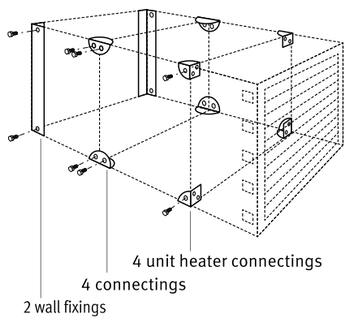


CODE	Type
8376.030101	100
8376.030102	200
8376.030103	300
8376.030104	400

FIXING SET B

For mounting of 2 air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127

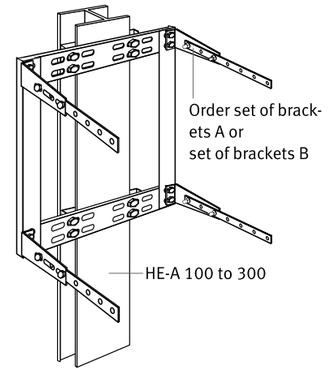


CODE	Type
8376.040101	100
8376.040102	200
8376.040103	300
8376.040104	400

⚠ To use together with set of brackets B

FIXING ON METAL CONSTRUCTION

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts



CODE	Type
8376.050101	100
8376.050102	200
8376.050103	300
8376.050104	400

⚠ To use together with set of brackets A or B

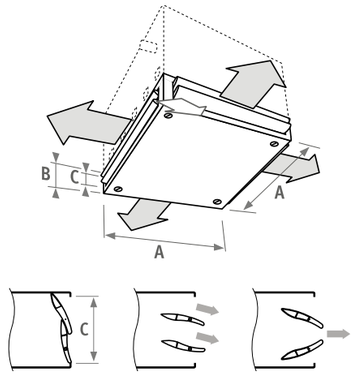
AIR EXHAUST OPTIONS

4- SIDED AVS® AIR DIFFUSER

- for horizontal air diffusion in case of low ceilings
- order together with the unit heater. The unit heater needs to be adjusted
- with this option the unit heater has no air exhaust grille
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium
- maximum height = 2.5 m bottom end of the appliance.



CODE	Type
8375.060100	(Mini) 000
8375.060101	100
8375.060102	200
8375.060103	300
8375.060104	400



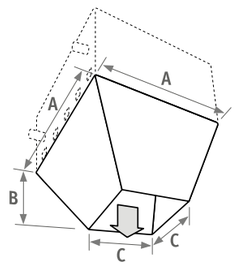
Type	A	B	C	kg
000 (Mini)	410	188	138	7.2
100	530	188	138	9.2
200	650	188	138	11.8
300	770	188	138	14.6
400	890	188	138	17.7

EXHAUST CONE

- to obtain higher exhaust speed, which enables fixing at a high level
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type
8375.080101	100
8375.080102	200
8375.080103	300
8375.080104	400



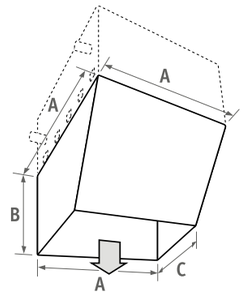
Type	A	B	C	kg
100	530	433	220	8.2
200	650	461	320	10.7
300	770	558	370	14.8
400	890	642	430	18.9

EXHAUST MOUTH PIECE

- prevent cold air entering the room door spaces etc...
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type
8375.070101	100
8375.070102	200
8375.070103	300
8375.070104	400



Type	A	B	C	kg
100	530	545	105	9.7
200	650	600	180	17.3
300	770	725	190	24.0
400	890	1035	250	36.7

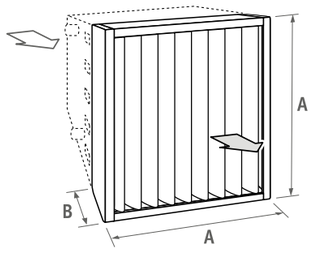
AIR EXHAUST OPTIONS

DOUBLE DEFLECTION FRONT GRILLE

- prevents too high a temperature developing at the opposite wall
- not suitable for use with the modulating version
- easy to mount through quick-acting connection at the top
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium



CODE	Type
8375.110100	(Mini) 000
8375.110101	100
8375.110102	200
8375.110103	300
8375.110104	400



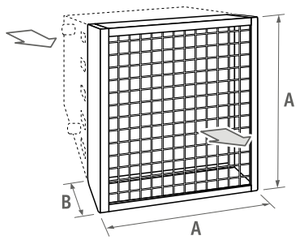
Type	A	B	kg
000 (Mini)	410	101	5.0
100	530	101	6.1
200	650	101	8.1
300	770	101	10.4
400	890	101	13.0

PROTECTION GRILLE FOR SPORT CENTERS

- easy to mount through quick-acting connection at the top
- not suitable for use with the modulating version
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type
8375.100101	100
8375.100102	200
8375.100103	300
8375.100104	400

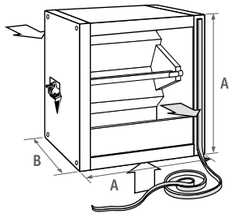


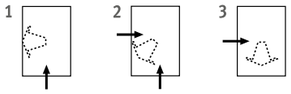
Type	A	B	kg
100	530	101	5.7
200	650	101	6.7
300	770	101	8.4
400	890	101	8.8

AIR INLET OPTIONS

Air inlet options aren't suitable for Mini unit heaters.
For losses of air flow and/or capacity when use is made of extraction appliances: see graphs pages 234-236

AIR MIXING BOX





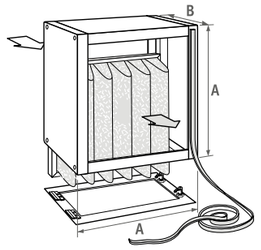
- unlacquered galvanised steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- manually adjusted

CODE (Galvanised)	Type
83750.010101	100
83750.010102	200
83750.010103	300
83750.010104	400

CODE (Lacquered)	Type
83751.010101	100
83751.010102	200
83751.010103	300
83751.010104	400

Type	A	B	kg
100	530	350	13.6
200	650	450	19.3
300	770	550	25.9
400	890	665	33.1

FILTER BOX WITH FILTER ELEMENT



- unlacquered galvanised steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- when ordering a filter box it is recommended that a spare filter element is also ordered

CODE	Type
8375.140101	100
8375.140102	200
8375.140103	300
8375.140104	400

83751.140101	100
83751.140102	200
83751.140103	300
83751.140104	400

Type	A	B	kg
100	530	345	18.1
200	650	450	22.4
300	770	550	26.7
400	890	665	31.9

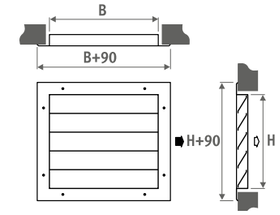
FILTER ELEMENT

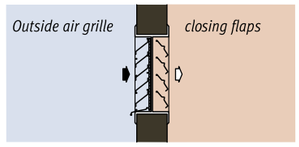


Caution! A dirty filter will reduce the output and the air flow of the unit heater.
- partly recyclable (dependent on the application of room)
- efficiency: Ashrae-tissue 90 %
- self-extinguishable in accordance to DIN 53438-1
- heat resistant up to 100 °C
- complies to classification G4 in accordance DIN EN 779

CODE	Type
8375.150101	100
8375.150102	200
8375.150103	300
8375.150104	400

OUTSIDE AIR GRILLE



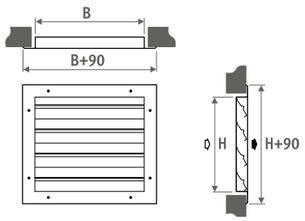


- protection against rain
- with fine structured metal anti-vermin grille
- galvanised

CODE	Type
8375.120101	100
8375.120102	200
8375.120103	300
8375.120104	400

Type	B	H	kg
100	400	350	4.30
200	600	355	5.80
300	600	510	7.60
400	800	510	9.40

AUTOMATIC CLOSING FLAPS FOR OUTSIDE AIR GRILLE



- galvanised with aluminium louvres.
- to prevent warm air from flowing out of a stationary ventilator.

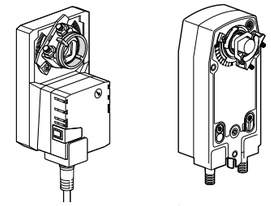
CODE	Type
8375.130101	100
8375.130102	200
8375.130103	300
8375.130104	400

Type	B	H	kg
100	400	345	2.80
200	600	355	3.60
300	600	510	4.40
400	800	510	5,20

ACCESSORIES AIR INLET OPTIONS

Servo motor or thermostat for frost protection be assembled delivered. The servo motor has to be ordered together with the air mixing box.
The frost protection thermostat has to be ordered together with the unit heater.

SERVO MOTORS "ON/OFF"

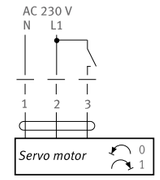


with return spring

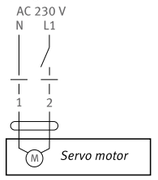
- one size
- return spring: the mixing box or the shutter box will be closed automatically in case of a power cut (frost protection).

CODE
8383.2301 "on/off-230 V"
8383.2302 "on/off-230 V" with return spring

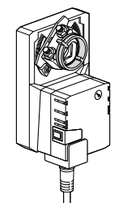
"on/off-230 V"



"on/off-230 V" with return spring

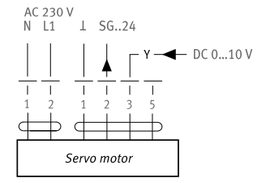


SERVO MOTOR "MODULATING"

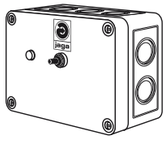


- one size

CODE
8383.2303 "modulating-230 V"

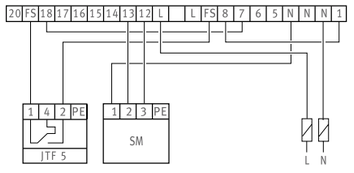


SWITCH BOXES FOR SERVO MOTORS 8383.2301

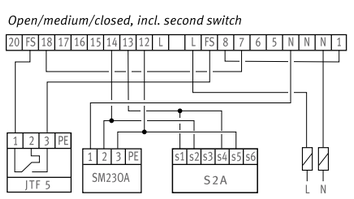


CODE
8351.0700001 open/closed
8351.0700002 open/medium/closed, incl. second switch

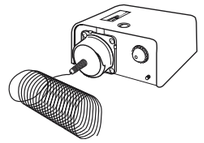
Open/closed



Open/medium/closed, incl. second switch

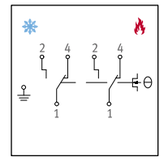


THERMOSTAT FOR FROST PROTECTION



- Thermostat for frost protection (from -10° up to +12°C)

CODE
8384.0001



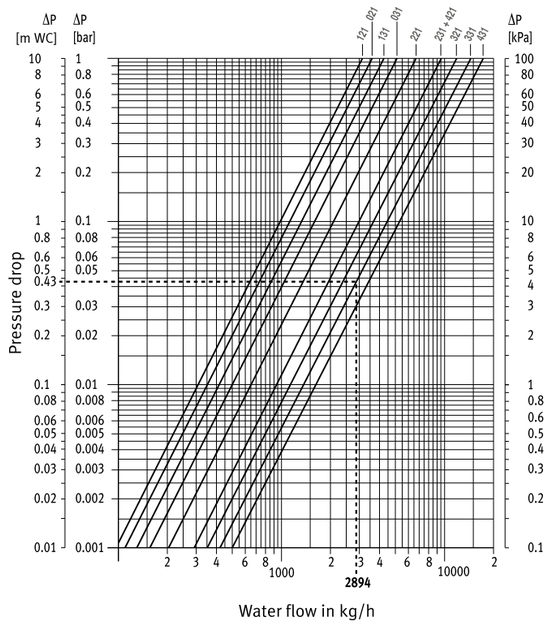
CORRECTION FACTORS

CORRECTION FACTORS (CF) AS A FUNCTION OF ΔT

(ΔT = average water temperature - room temperature)

ΔT	Factor	ΔT	Factor	ΔT	Factor
30	0.60	49	0.98	68	1.36
31	0.62	50	1.00	69	1.38
32	0.64	51	1.02	70	1.40
33	0.66	52	1.04	71	1.42
34	0.68	53	1.06	72	1.44
35	0.70	54	1.08	73	1.46
36	0.72	55	1.10	74	1.48
37	0.74	56	1.12	75	1.50
38	0.76	57	1.14	76	1.52
39	0.78	58	1.16	77	1.54
40	0.80	59	1.18	78	1.56
41	0.82	60	1.20	79	1.58
42	0.84	61	1.22	80	1.60
43	0.86	62	1.24	81	1.62
44	0.88	63	1.26	82	1.64
45	0.90	64	1.28	83	1.66
46	0.92	65	1.30	84	1.68
47	0.94	66	1.32	85	1.70
48	0.96	67	1.34	86	1.72

HYDRAULIC PRESSURE DROP



CALCULATION FOR OTHER TEMPERATURES

	Calculation example
T_V = flow temperature	70 °C
T_r = return temperature	50 °C
T_l = room temperature	18 °C
Q_V = requested capacities	25 kWatts

1. ΔT Calculation

$$\Delta T = \frac{Tv + Tr}{2}$$

correction factor Cf

$$\Delta T = \frac{70°C + 50°C}{2} - 18°C = 42$$

0.84

2. Calculation theoretical output (Qf)

$$Qf = \frac{Qv}{Cf}$$

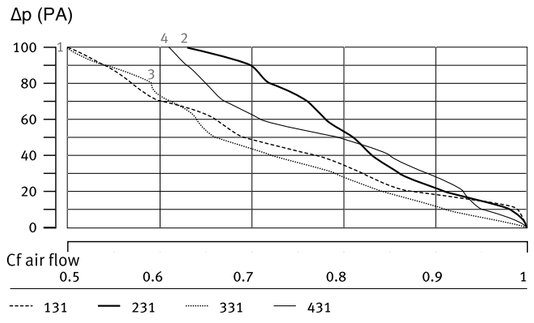
$$Qf = \frac{25\ kWatts}{0.84} = 29.76\ kWatts$$

3. Choice unit heater

Select in table ΔT=50 a unit heater with an imaginary output of 29.76 kWatts (Qf). This unit heater will provide the requested output (Qv) of 25 kWatts at a water temperature Tv - Tr (70°C/50°C) and a room temperature Tl (18°C).

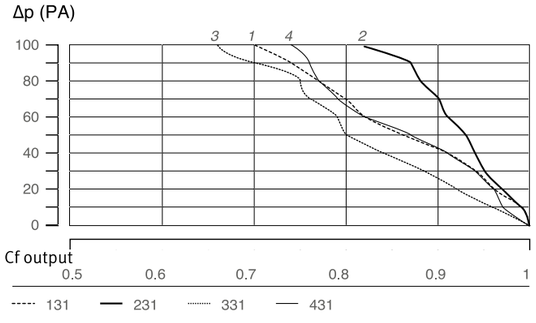
AIR FLOW / CORRECTION FACTOR FOR THE AIR FLOW

(Pressure drop with air inlet options)



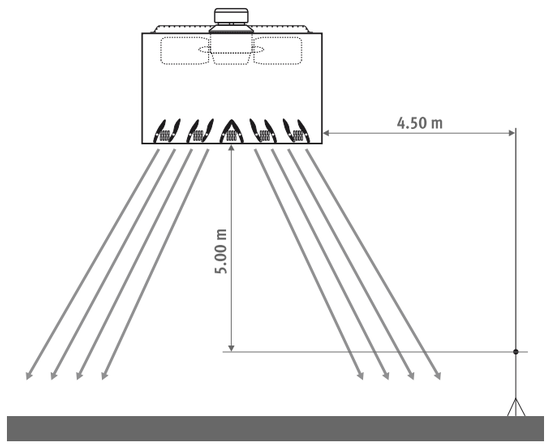
THERMAL OUTPUT / CORRECTION FACTORS FOR THE HEATING LOSS OF OUTPUT

(Pressure drop with air inlet options)



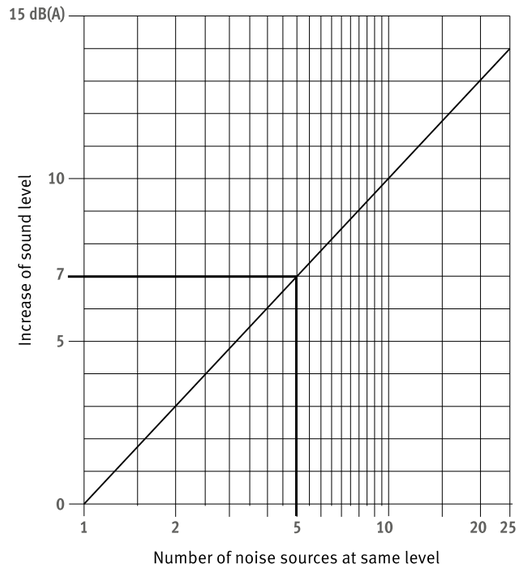
CORRECTION FACTORS SOUND

SOUND PRESSURE



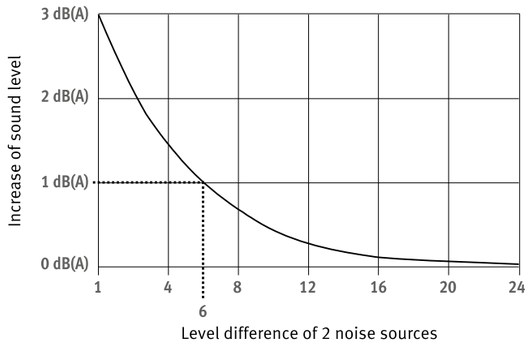
Sound measuring in a room in accordance with (DIN) EN 23741 and 23742

COMBINATION OF DIFFERENT NOISE SOURCES AT THE SAME SOUND LEVEL



Example:
- given: 5 sound sources of each 53 dB(A)
- asked: the total sound intensity
- the total sound intensity: 53 dB(A) + 7 dB(A) = 60 dB(A)

COMBINATION OF DIFFERENT NOISE SOURCES WITH DIFFERENT SOUND LEVELS

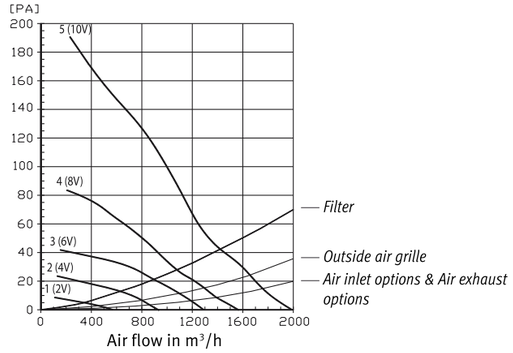


Example:
- given: 2 sound sources 53 dBA and 59 dB(A)
- difference = 6 dB(A)
- asked: the total sound intensity
- the total sound intensity : 59 dB(A) plus 1 dB(A) = 60 dB(A)

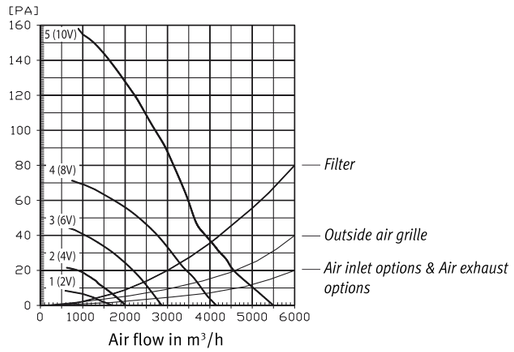
AIR FLOW WITH OPTIONS

UNIT HEATER WITH 2 ROWS OF PIPES

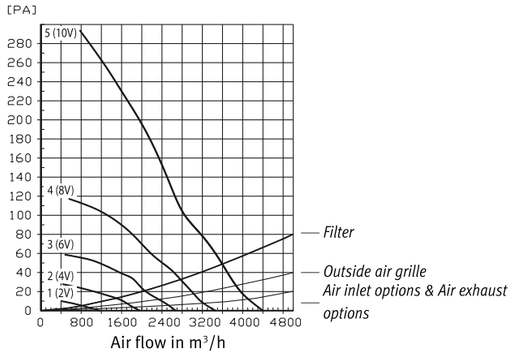
TYPE 121



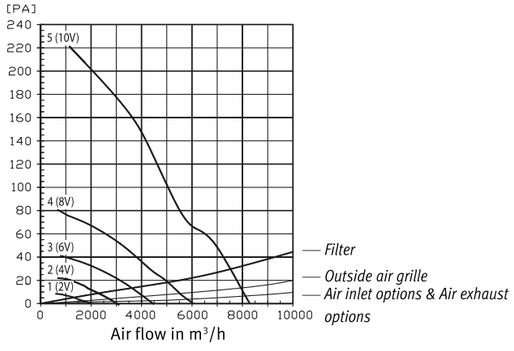
TYPE 221



TYPE 321

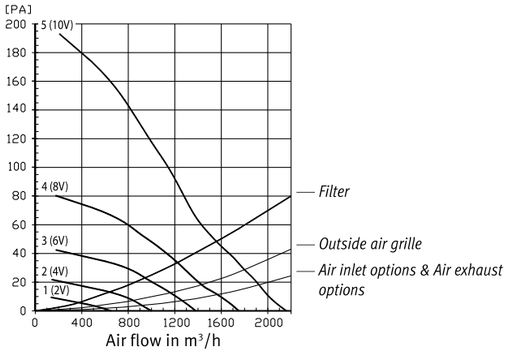


TYPE 421

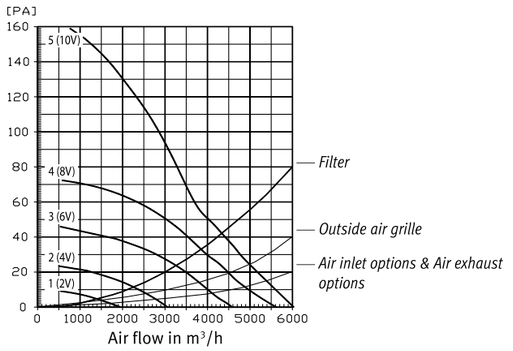


UNIT HEATER WITH 3 ROWS OF PIPES

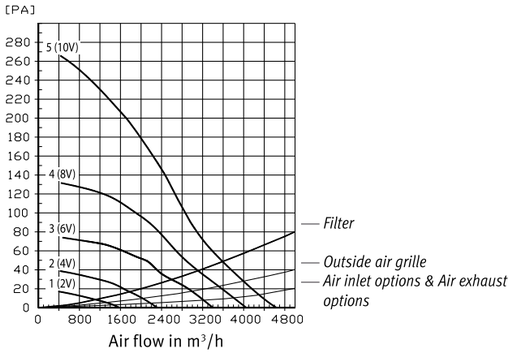
TYPE 131



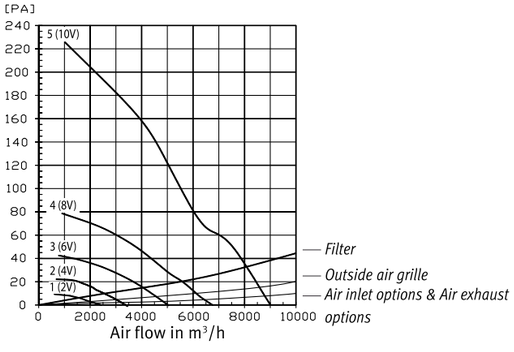
TYPE 231



TYPE 331



TYPE 431

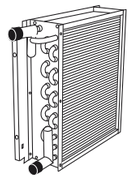


PARTS

EC MOTORS 1 X 230V

CODE	Type	Electric power consumption	Current	Max. air inlet °C
		Watts	A	°C
24555.20000005	000	74	0.70	55
24502.02300101	100	77	0.73	50
24502.02300201	200	330	2.20	60
24502.02300301	300	375	1.80	55
24502.02300401	400	580	3.20	50

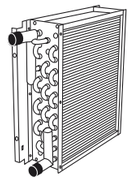
Motor with integrated thermocontact and fitted thermal box: insulation range B / IP 54



Low-H2O heat exchanger with 2 rows of pipes

CODE	Type	Water content
8393.010105	000	0.9
8393.010101	100	1.8
8393.010102	200	3.6
8393.010103	300	4.0
8393.010104	400	5.5

Working pressure max. 11 bar at 90 °C / pressure tested: 25 bar



Low-H2O heat exchanger with 3 rows of pipes

CODE	Type	Water content
8393.020105	000	1.3
8393.020101	100	2.6
8393.020102	200	4.2
8393.020103	300	5.8
8393.020104	400	8.9

Working pressure max. 11 bar at 90 °C / pressure tested: 25 bar

PRODUCT SPECIFICATION

Heat exchanger
The heat exchanger consists of fins of pure aluminium pressed on mechanically extended pure red copper pipes. These pipes are connected to two steel collectors for left same end connection (1" for type 000, 100 and 200 / 1½" for type 300 and 400).
Air vent 1/8" and drain plug 1/2" are included.
Unit heater is deliverable in five sizes of heat exchangers: with two or three rows of pipes.
Pressure test: 25 bar
Working pressure: 11 bar with a maximum temperature of 90°C
The heat exchanger is not suitable for the use of steam as a heat conductor.

Ventilator motor
The EC motor is an EBM-Papst external motor integrated in one piece with a 1-10 VDC motor and a reduced noise level synthetic HyBlade® ventilator in one piece. Internal thermal contacts are provided to protect the motor: for type 000 and 100 an internal automatic safeguard, for type 200, 300 and 400 an external safeguard should be provided. These contacts can be connected to a Jaga safety switch fixed on the side of the casing. These thermal contacts can also be connected to a speed regulator.
EC motor:
- 230 V single-phase, 1-10 VDC
- Insulation Class B
- Degree of protection: IP 54

Casing
The casing is made of 1.25 mm thick galvanised steel plate, installed in such a way that screws and rivets are concealed.
The casing is lacquered in the colour sandblast grey 001. Other colours on demand.
The coating is a lightly structured and scratch resistant epoxy-polyester powder, sprayed electrostatically and baked at a temperature of 200 °C, thickness of +/- 125 µ. UV resistant due to ASTM G53.

Exhaust grille
The horizontally built-in air exhaust grille is made of satin-black coated, slightly coved, aluminium slats.
The unit heater is supplied with exhaust louvres set in Air Venturi position.
With the shape and positioning of the louvres, the adjustable Air Venturi System (AVS®) ensures the direct mixture of the heated air with the ambient air. As a result the space is heated quicker and the warm air is forced downwards instead of remaining at a high level. The modular AVS® version (optional) ensures an improved dispersal of the heated air by continuously moving the exhaust louvres. The louvres are in this case coupled to each other in pairs and operated by a servo motor.
The angle of movement can be set from 0 to 90° in a cycle of approx. 150 seconds

Manufacturer: Jaga
Type: Unit heater

Output in Watts, measured in accordance with EN 442.

Application
The unit heater is used for heating of conference facilities, supermarkets, greenhouses, conservatories, sports halls, factories and warehouses.
With a water system of 75/65/20°C AVS® unit heaters can guarantee a capacity of 8.0 to 78.6 kW. For smaller spaces, offices or shops there is a Mini version of the unit heater with a heating capacity of 4.5 to 9.6 kW.
The unit heater can be used for assembly against a wall, against the ceiling or on a metal truss by using strong brackets.
The unit heater can be used with 100% ambient air, with 100% outside air or with mixed air.

Accessories
- thermostat
- clock thermostat
- control for multiple rooms
- power supply for wall mounting or DIN rail
- servo motor "on/off" or "modulating"
- switch boxes for servo motors
- thermostat for frost protection
- set of brackets A for mounting, without or with one air inlet option, against a wall / ceiling
- set of brackets B for mounting, with two air inlet options, against a wall / ceiling
- set of brackets for fixing on metal construction
- fixing set A for mounting of 1 air inlet option, to use together with set of brackets A
- fixing set B for mounting of 2 air inlet options, to use together with set of brackets B
- 4-sided AVS® air diffuser for low ceilings: for larger hot air carrying. Mounting with quick-acting connections.
- exhaust cone for assembly at a height of over 6 metres. Mounting with quick-acting connections.
- exhaust mouth piece to prevent the entry of cold air at outer elements. Mounting with quick-acting connections.
- double deflection front grille. Prevents too high temperatures on the opposite wall. Mounting with quick-acting connections.
- filter box for protection against dust, etc. Filter element:
- self-extinguishing according to DIN 53438-1. Heat resistant to 100°C, (Ashrae 90%), complies the classification G4 according to DIN EN 779.
- mixing and shutter boxes 90° and 180° open/ medium/ clossed, controlled by servo motor 230 V or 24 V
- corner boxes, wall channel boxes, connection boxes and other air inlet options.

How to install
The building services engineer should choose the unit heater(s) taking account of:
- fitting height according to the dimension tables of the unit heater
- a heat output calculation according to the relevant standard
- tables of heat output and dimensions of the unit heater according to EN 442.
- the unit heater will be connected to a two pipe system, with a same end connection. The flow valve always has to be fitted to the top connection.

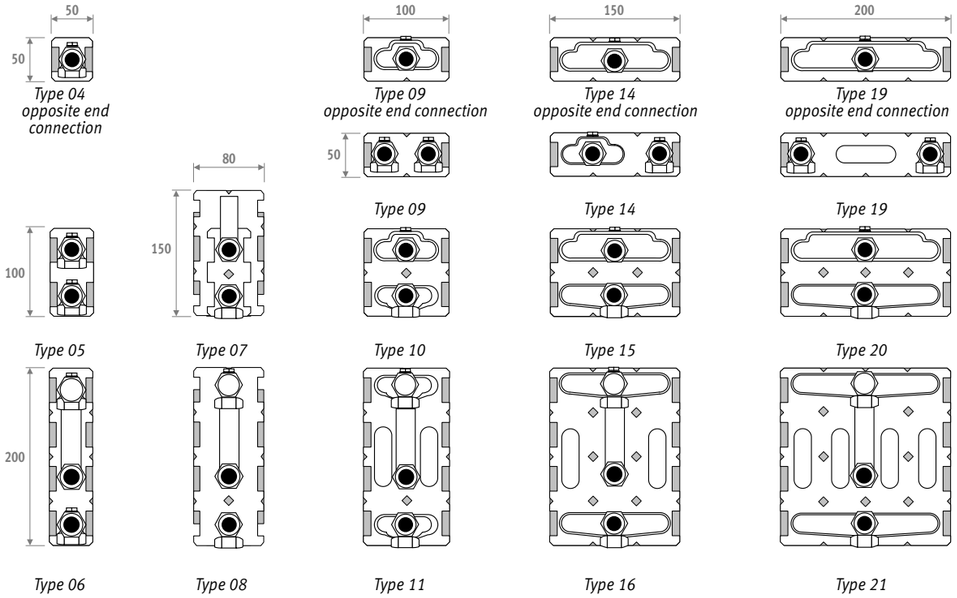




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TECHNICAL INFORMATION

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Type	Strada	Linea Plus	Mini	Knockonwood	Play	Installation into a wall recess	Mini freestanding	Mini freestanding DBE	Knockonwood freestanding	Mini Canal H / W	Mini Canal DBE H / W
04 opposite end connection	-	-	-	-	-	-	-	-	-	✓ 09-11/14	-
05	-	-	✓	-	-	-	-	-	-	✓ 14/14	-
06	-	-	✓	-	-	-	✓	-	-	-	-
07	✓*	-	-	-	-	-	-	-	-	-	-
08	✓**	-	-	✓	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	✓ 09-11/18-26	-
09 opposite end connection	-	-	✓	-	-	-	✓		-	-	-
10	✓	✓	✓	✓	✓	✓	✓	-	-	✓ 14-19/26	✓ 14/26
11	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
14	-	-	-	-	-	-	-	-	-	✓ 09-11/34	-
14 opposite end connection	-	-	✓	-		-	✓	-	-	-	-
15	✓	✓	✓	✓	✓	✓	✓	-	✓	✓ 14-19/34	✓ 14/34
16	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
19	-	-	-	-	-	-	-	-	-	✓ 09-11/42	-
19 opposite end connection	-	-	✓	-		-	✓	-	-	-	-
20	✓	✓	✓	-	✓	✓	✓	-	-	✓ 14-19/42	✓ 14/42
21	✓	✓	✓	-	✓	✓	✓	-	-	-	-

** Strada type 06, height 20* *** Knockonwood and Strada type 06, all other heights*

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.45	0.58	0.69	0.79	0.89	0.98	1.07	1.16	1.24	1.34	1.41	1.49	1.56
	20		0.38	0.52	0.63	0.74	0.83	0.92	1.01	1.10	1.18	1.28	1.35	1.43	1.50
	22		0.30	0.46	0.57	0.68	0.78	0.87	0.96	1.04	1.13	1.22	1.30	1.37	1.44
	24		0.20	0.39	0.52	0.62	0.72	0.81	0.90	0.99	1.07	1.15	1.24	1.31	1.38
85	18		0.42	0.54	0.65	0.75	0.84	0.93	1.01	1.10	1.20	1.27	1.34	1.41	
	20		0.36	0.49	0.59	0.69	0.79	0.87	0.96	1.04	1.12	1.21	1.28	1.35	
	22		0.28	0.42	0.54	0.64	0.73	0.82	0.90	0.99	1.06	1.15	1.22	1.30	
	24		0.19	0.36	0.48	0.58	0.68	0.76	0.85	0.93	1.01	1.10	1.17	1.24	
80	18		0.39	0.51	0.61	0.70	0.79	0.88	0.96	1.04	1.12	1.20	1.27		
	20		0.33	0.45	0.56	0.65	0.74	0.82	0.90	0.98	1.07	1.14	1.21		
	22		0.26	0.39	0.50	0.60	0.68	0.77	0.85	0.93	1.01	1.08	1.15		
	24		0.17	0.34	0.45	0.54	0.63	0.72	0.80	0.87	0.96	1.03	1.10		
75	18		0.37	0.47	0.57	0.66	0.74	0.82	0.90	0.99	1.05	1.12			
	20		0.30	0.42	0.52	0.61	0.69	0.77	0.85	0.93	1.00	1.07			
	22		0.24	0.36	0.46	0.55	0.64	0.72	0.79	0.88	0.95	1.01			
	24		0.16	0.31	0.41	0.50	0.59	0.67	0.74	0.83	0.89	0.96			
70	18		0.34	0.44	0.53	0.61	0.69	0.77	0.85	0.92	0.99				
	20		0.28	0.39	0.48	0.56	0.64	0.72	0.80	0.87	0.93				
	22		0.22	0.33	0.43	0.51	0.59	0.67	0.74	0.81	0.88				
	24		0.14	0.28	0.38	0.46	0.54	0.62	0.69	0.76	0.83				
65	18		0.31	0.40	0.49	0.57	0.64	0.71	0.79	0.85					
	20		0.25	0.35	0.44	0.52	0.59	0.66	0.74	0.80					
	22		0.19	0.30	0.39	0.47	0.54	0.61	0.69	0.75					
	24		0.12	0.25	0.34	0.42	0.50	0.57	0.64	0.70					
60	18		0.28	0.37	0.45	0.52	0.59	0.66	0.73						
	20		0.23	0.32	0.40	0.47	0.54	0.62	0.68						
	22		0.17	0.27	0.35	0.43	0.50	0.57	0.63						
	24		0.11	0.23	0.31	0.38	0.45	0.52	0.58						
55	18		0.25	0.33	0.40	0.47	0.55	0.60							
	20		0.20	0.29	0.36	0.43	0.50	0.56							
	22		0.15	0.24	0.32	0.38	0.45	0.51							
	24		0.09	0.20	0.27	0.34	0.40	0.47							
50	18		0.22	0.30	0.36	0.43	0.49								
	20		0.18	0.25	0.32	0.38	0.44								
	22		0.13	0.21	0.28	0.34	0.40								
	24		0.08	0.17	0.24	0.30	0.36								
45	18		0.19	0.26	0.32	0.38									
	20		0.15	0.22	0.28	0.34									
	22		0.11	0.18	0.24	0.30									
	24		0.06	0.14	0.20	0.26									
40	18		0.16	0.22	0.28										
	20		0.12	0.18	0.24										
	22		0.09	0.15	0.20										
	24		0.05	0.12	0.17										
35	18		0.13	0.19											
	20		0.10	0.15											
	22		0.07	0.12											
	24		0.03	0.09											
30	18		0.10												
	20		0.07												
	22		0.04												
	24		0.02												

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

ENERGY SAVERS WITH DBE ▪ CORRECTION FACTORS

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

DBE Dynamic Boost Effect

Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.56	0.67	0.76	0.84	0.92	0.99	1.05	1.11	1.17	1.24	1.29	1.34	1.39
	20		0.49	0.62	0.71	0.80	0.87	0.94	1.01	1.07	1.13	1.20	1.25	1.30	1.35
	22		0.42	0.56	0.66	0.75	0.83	0.90	0.97	1.03	1.09	1.16	1.21	1.26	1.31
	24		0.31	0.50	0.61	0.71	0.79	0.86	0.93	0.99	1.05	1.11	1.17	1.22	1.27
85	18		0.53	0.64	0.73	0.81	0.88	0.95	1.01	1.07	1.14	1.19	1.24	1.29	
	20		0.47	0.59	0.68	0.76	0.84	0.91	0.97	1.03	1.09	1.15	1.20	1.25	
	22		0.39	0.53	0.63	0.72	0.79	0.86	0.93	0.99	1.05	1.11	1.16	1.21	
	24		0.29	0.47	0.58	0.67	0.75	0.82	0.89	0.95	1.01	1.07	1.12	1.17	
80	18		0.50	0.61	0.70	0.77	0.84	0.91	0.97	1.03	1.09	1.14	1.19		
	20		0.44	0.56	0.65	0.73	0.80	0.87	0.93	0.99	1.05	1.10	1.15		
	22		0.37	0.50	0.60	0.68	0.76	0.82	0.89	0.95	1.01	1.06	1.11		
	24		0.27	0.45	0.55	0.64	0.71	0.78	0.85	0.91	0.97	1.02	1.07		
75	18		0.48	0.58	0.66	0.74	0.80	0.87	0.93	0.99	1.04	1.09			
	20		0.42	0.53	0.62	0.69	0.76	0.82	0.88	0.95	1.00	1.05			
	22		0.35	0.48	0.57	0.65	0.72	0.78	0.84	0.91	0.96	1.01			
	24		0.25	0.42	0.52	0.60	0.68	0.74	0.80	0.87	0.92	0.97			
70	18		0.45	0.55	0.63	0.70	0.76	0.82	0.89	0.94	0.99				
	20		0.39	0.50	0.58	0.65	0.72	0.78	0.85	0.90	0.95				
	22		0.32	0.45	0.54	0.61	0.68	0.74	0.80	0.86	0.91				
	24		0.24	0.39	0.49	0.57	0.64	0.70	0.76	0.82	0.87				
65	18		0.42	0.51	0.59	0.66	0.72	0.78	0.84	0.89					
	20		0.36	0.47	0.55	0.62	0.68	0.74	0.80	0.85					
	22		0.30	0.42	0.50	0.57	0.64	0.70	0.76	0.81					
	24		0.22	0.36	0.46	0.53	0.60	0.66	0.72	0.77					
60	18		0.39	0.48	0.55	0.62	0.68	0.74	0.79						
	20		0.34	0.43	0.51	0.58	0.64	0.70	0.75						
	22		0.28	0.39	0.47	0.54	0.60	0.66	0.71						
	24		0.20	0.33	0.42	0.49	0.56	0.62	0.67						
55	18		0.36	0.44	0.51	0.58	0.64	0.69							
	20		0.31	0.40	0.47	0.54	0.60	0.65							
	22		0.25	0.35	0.43	0.49	0.55	0.61							
	24		0.17	0.30	0.39	0.45	0.51	0.57							
50	18		0.33	0.41	0.47	0.53	0.59								
	20		0.28	0.36	0.43	0.49	0.55								
	22		0.22	0.32	0.39	0.45	0.51								
	24		0.15	0.27	0.35	0.41	0.47								
45	18		0.30	0.37	0.43	0.49									
	20		0.25	0.33	0.39	0.45									
	22		0.20	0.28	0.35	0.41									
	24		0.13	0.24	0.31	0.37									
40	18		0.26	0.33	0.39										
	20		0.22	0.29	0.35										
	22		0.17	0.25	0.31										
	24		0.11	0.20	0.27										
35	18		0.23	0.29											
	20		0.18	0.25											
	22		0.14	0.21											
	24		0.08	0.16											
30	18		0.19												
	20		0.14												
	22		0.10												
	24		0.06												

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

Using DBE:
max. flow temperature 75°C
max. air humidity 95% R.H.

REVERBERATION TIME

Reverberation time (c) T2	Correction [dB(A)]
2.5	+ 6.2
2.0	+ 5.2
1.5	+ 4.0
1.0	+ 2.2

$P_2 = P1 - 10 \log \frac{T_2}{T_1}$

P_1 = table of sound pressure
P_2 = sound pressure to be calculated
T_1 = reverberation time of room of reference ($T_1 = 0.6$ s)
T_2 = reverberation time of room

ROOM VOLUME

Content m³	Correction [dB(A)]
80	0
150	- 2.7
200	- 4.0
250	- 4.9
300	- 5.7
350	- 6.4
400	- 7.0
500	- 8.0
600	- 8.8

Calculation of sound pressure for other room content

$P_2 = P1 - 10 \log \frac{V_2}{V_1}$

P_1 = table of sound pressure
P_2 = sound pressure to be calculated
V_2 = size of reference room (80 m¬≥)
V_1 = room size

SEVERAL APPLIANCES WITH AN EQUAL SOUND LEVEL IN A ROOM

Number [dB(A)]	Correction [dB(A)]
2	+ 3.0
3	+ 4.8

$P_2 = P1 + 10 \log n$

P_2 = sound level one appliance
P_1 = sound pressure to be calculated
n^2 = number of appliances

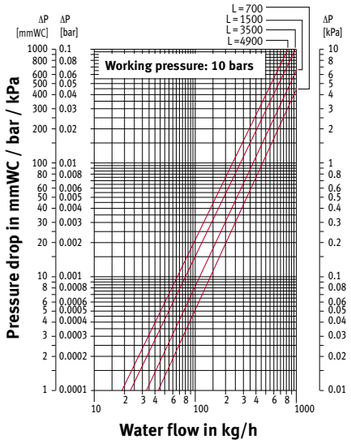
NOISE PRESSURE 1 UNIT dB(A)

Type	Comfort	Boost
DBEU.06	27	34
DBEU.10	29	35
DBEU.15	27	31

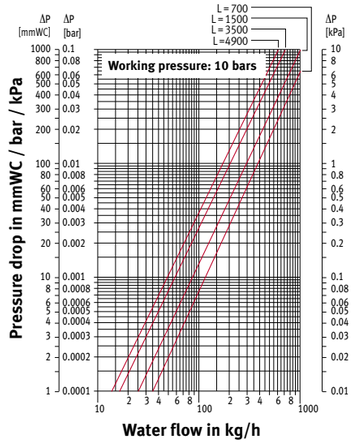
Reverberation time RT60 0.6 s
Reference room V_1 80m³
Reference pressure P_0 2.10^{-5}Pa

	NOISE PRESSURE COMFORT dB(A)						MAX. MEASURED POWER (Watts)					
Number of units	**1**	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
DBEU.06	27.0	30.0	31.8	33.0	34.0	34.8	2.7	5.4	8.1	10.8	13.5	16.2
DBEU.10	29.0	32.0	33.8	35.0	36.0	36.8	2.8	5.6	8.4	11.2	14	16.8
DBEU.15	27.0	30.0	31.8	33.0	34.0	34.8	2.2	4.4	6.6	8.8	11	13.2

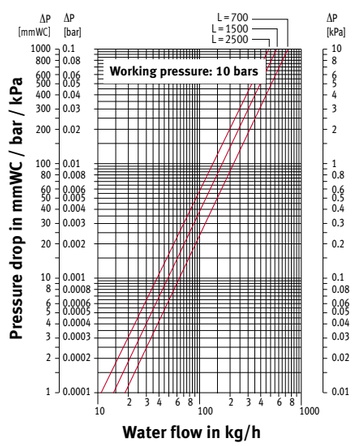
PRESSURE DROP TYPE 04 OPPOSITE END CONNECTION



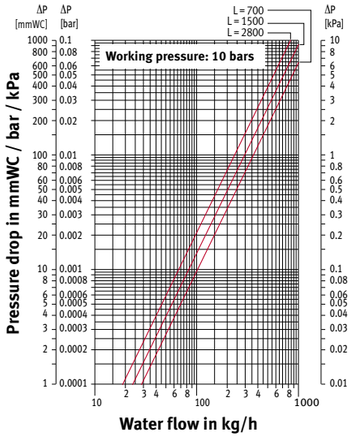
PRESSURE DROP TYPE 05



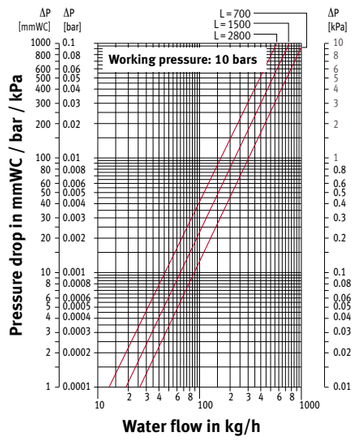
PRESSURE DROP TYPE 06



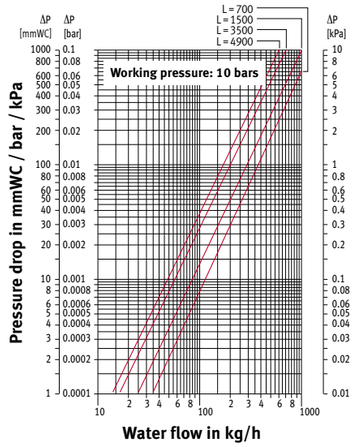
PRESSURE DROP TYPE 07



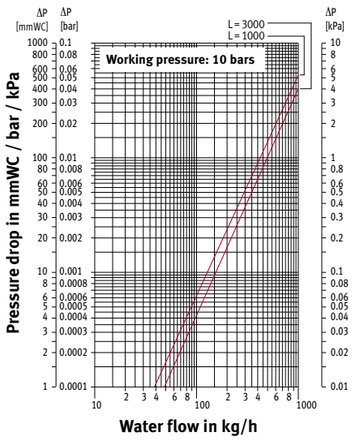
PRESSURE DROP TYPE 08



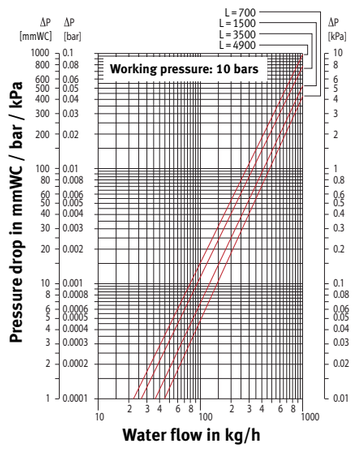
PRESSURE DROP TYPE 09



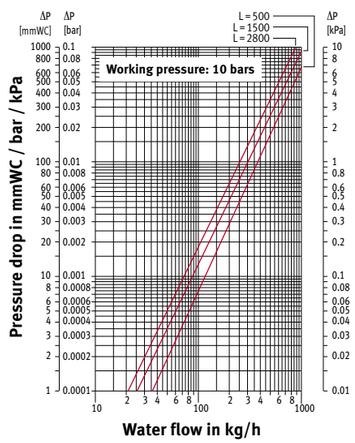
PRESSURE DROP TYPE 09 OPPOSITE END CONNECTION



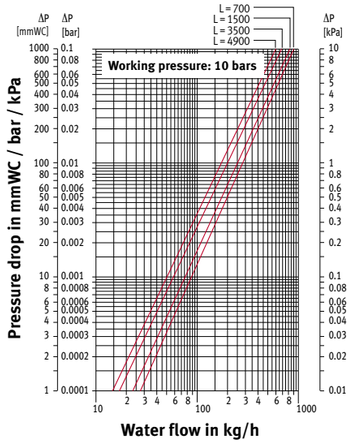
PRESSURE DROP TYPE 10



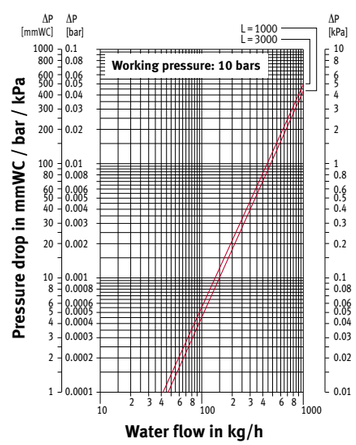
PRESSURE DROP TYPE 11



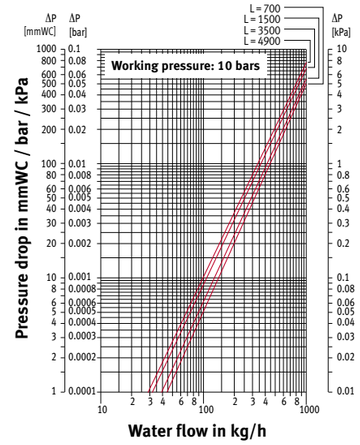
PRESSURE DROP TYPE 14



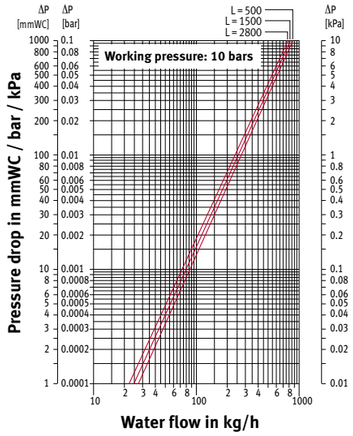
PRESSURE DROP TYPE 14 OPPOSITE END CONNECTION



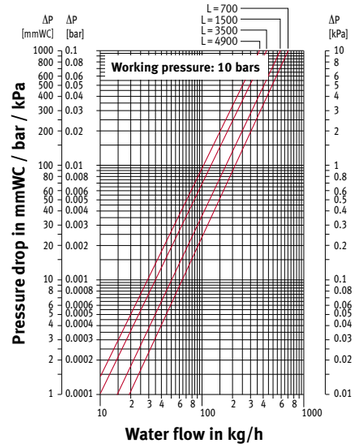
PRESSURE DROP TYPE 15



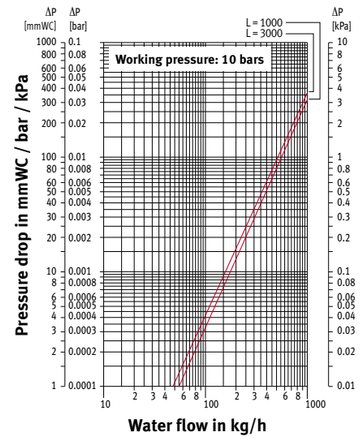
PRESSURE DROP TYPE 16



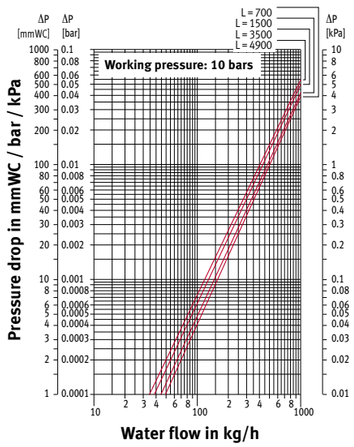
PRESSURE DROP TYPE 19



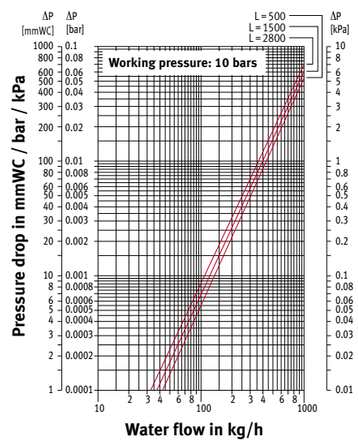
PRESSURE DROP TYPE 19 OPPOSITE END CONNECTION



PRESSURE DROP TYPE 20



PRESSURE DROP TYPE 21



ENERGY SAVERS ▪ WEIGHT (IN KG/METRE)

STRADA WALL MOUNTED MODEL

H	T 06	10	11	15	16	20	21
200	6.7	7.5	---	9.4	---	11.4	---
350	9.0	9.8	11.2	11.9	14.2	14.0	16.7
500	11.1	12.0	13.5	14.4	16.7	16.7	19.5
650	13.3	14.3	15.8	16.9	19.2	19.4	22.1
950	17.5	18.9	20.4	21.8	24.1	24.8	27.5

LINEA PLUS WALL MOUNTED MODEL

H	T 10	11	15	16	20	21
200	5.9	---	7.0	---	8.2	---
350	8.2	9.7	9.5	12.0	11.0	14.3
500	10.6	12.1	12.1	14.6	13.8	17.1
650	13.0	14.4	14.7	17.2	16.7	19.9
950	15.4	19.1	17.0	22.4	18.8	25.6

INSTALLATION INTO A WALL RECESS

H	T 10	11	15	16	20	21
200	3.9	---	5.1	---	6.2	---
300	4.9	6.5	6.1	8.7	7.3	10.3
400	5.9	7.5	7.2	9.7	8.5	11.4
500	6.9	8.5	8.2	10.8	9.6	12.6

LINEA PLUS FREESTANDING MODEL

H	T 10	11	15	16
200	10.2	---	11.5	---
350	14.3	15.8	15.9	18.6

MINI WALL MOUNTED & FREESTANDING MODEL

H	T 05	06	09	10	11	14	15	16	19	20	21
80	---	---	5.2	---	---	6.1	---	---	7.0	---	---
130	5.6	---	---	7.1	---	---	8.43	---	---	9.7	---
230	---	8.5	---	---	10.2	---		12.8	---	---	16.1
280	---	10.8	---	---	13.6	---	16.8	---	---	---	19.5

MINI FREESTANDING DBE

H	T 11	16
280	21.0	25.0

MINI CANAL

H	B 14	18	26	34	42
90	4.60	5.01	5.80	7.05	8.29
110	5.00	5.42	6.24	7.52	8.80
140	5.70	---	7.77	9.51	11.28
190	---	---	9.25	11.06	12.89

MINI CANAL DBE

H	B 26	34	42
140	12.65	15.30	18.05

Average weight in kg/metre for Mini duct, including frame and heat exchanger.

GRILLES MINI CANAL & MINI CANAL DBE

Finish	Width duct	14	18	26	34	42
	Width	12.8	16.8	24.8	32.8	40.8
- Roll-up Designo merbau/merbau varnished		2.18	3.00	3.52	3.98	4.67
- Roll-up Designo oak/oak varnished		1.59	2.03	2.69	3.34	3.90
- Roll-up Designo beech/beech varnished		1.50	1.90	2.50	3.10	3.60
- Roll-up merbau/merbau varnished		2.15	2.70	3.03	3.35	4.05
- Roll-up oak/oak varnished		1.48	1.71	2.15	2.61	3.12
- Roll-up beech/beech varnished		1.40	1.60	2.00	2.42	2.88
- Roll-up alu natural/black/brown/brass		1.21	1.38	2.07	2.76	3.45
- Roll-up grille natural Accordion		2.80	3.45	4.85	5.50	7.55
- Roll-up stainless steel		2.18	2.86	4.22	5.58	6.94
- Rigid Designo alu natural/black/brown/brass/lacquered		1.60	2.10	3.20	4.10	5.00
- Rigid alu natural/black/brown/brass/lacquered		1.55	2.20	2.50	3.15	3.75
- Rigid Pebbles		2.20	2.70	3.65	4.60	5.60

Weight and water content without packaging or options

WATER CONTENT IN LITRES ▪ ENERGY SAVERS

WATER CONTENT HEAT EXCHANGER
(IN LITRES/METRE)

Type	L/metre
04 D	0.16
05	0.32
06	0.64
07	0.51
08	0.63
09	0.32
09 D	0.31
10	0.65
11	1.33
14	0.48
14 D	0.47
15	0.98
16	1.98
19	0.63
19 D	0.66
20	1.32
21	2.66

07 = Strada type 06, height 20
08 = Strada type 06, all other heights
D = Opposite end connection

MINI CANAL WATER CONTENT
(IN LITRES/METRE)

H	B 14	18	26	34	42
90	0.16	0.32	0.32	0.48	0.66
110	0.16	0.32	0.32	0.48	0.66
140	0.32	---	0.65	0.98	1.32
190	---	---	0.65	0.98	1.32

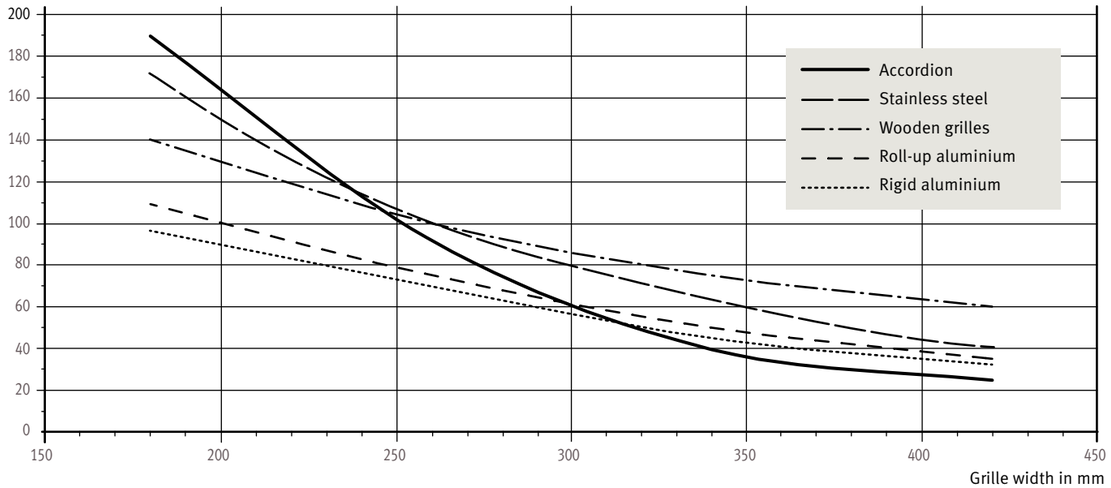
MINI CANAL DBE WATER CONTENT
IN LITRES

L	B 26	34	42
1100	0.63	0.95	1.27
1300	0.76	1.14	1.52
1500	0.89	1.34	1.78
1700	1.02	1.53	2.04
1900	1.15	1.72	2.29
2100	1.28	1.92	2.56
2300	1.4	2.11	2.81
2500	1.53	2.3	3.06
2700	1.66	2.5	3.33
2900	1.79	2.69	3.58
3100	1.92	2.88	3.84

MAXIMUM GRILLE LOADINGS

- **Roll-up wood and aluminium grille: concentrated load in kg in the centre of the grille up to 2 mm deflection.**
- **Rigid grilles: concentrated load in the centre of the transverse section up to 2 mm deflection.**
- **Pebbles:** max. 100 kg per tile

Concentrated load in kg



TOWEL RADIATORS: ACCOLADE - SANI RONDA - SANI BASIC - SANI BOW

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.49	0.61	0.72	0.81	0.90	0.98	1.06	1.14	1.21	1.30	1.36	1.43	1.49
	20		0.42	0.55	0.66	0.76	0.85	0.93	1.01	1.09	1.16	1.25	1.31	1.38	1.44
	22		0.34	0.49	0.61	0.71	0.80	0.88	0.96	1.04	1.11	1.20	1.26	1.33	1.39
	24		0.24	0.43	0.55	0.65	0.75	0.83	0.91	0.99	1.06	1.13	1.21	1.27	1.34
85	18		0.46	0.58	0.68	0.77	0.86	0.94	1.01	1.09	1.17	1.24	1.30	1.36	
	20		0.40	0.52	0.63	0.72	0.81	0.89	0.96	1.04	1.11	1.19	1.25	1.31	
	22		0.32	0.46	0.57	0.67	0.75	0.84	0.91	0.99	1.06	1.14	1.20	1.26	
	24		0.22	0.40	0.52	0.62	0.70	0.79	0.86	0.94	1.01	1.09	1.15	1.21	
80	18		0.43	0.55	0.64	0.73	0.81	0.89	0.96	1.03	1.11	1.17	1.24		
	20		0.37	0.49	0.59	0.68	0.76	0.84	0.91	0.98	1.06	1.12	1.19		
	22		0.30	0.43	0.54	0.63	0.71	0.79	0.86	0.93	1.01	1.07	1.14		
	24		0.21	0.38	0.49	0.58	0.66	0.74	0.81	0.89	0.96	1.02	1.09		
75	18		0.41	0.51	0.60	0.69	0.77	0.84	0.91	0.99	1.05	1.11			
	20		0.34	0.46	0.55	0.64	0.72	0.79	0.86	0.94	1.00	1.06			
	22		0.28	0.40	0.50	0.59	0.67	0.74	0.81	0.89	0.95	1.01			
	24		0.19	0.35	0.45	0.54	0.62	0.70	0.77	0.84	0.90	0.96			
70	18		0.38	0.48	0.56	0.64	0.72	0.79	0.87	0.93	0.99				
	20		0.32	0.43	0.52	0.60	0.67	0.74	0.82	0.88	0.94				
	22		0.25	0.37	0.47	0.55	0.62	0.69	0.76	0.83	0.89				
	24		0.17	0.32	0.42	0.50	0.58	0.65	0.72	0.78	0.84				
65	18		0.35	0.44	0.53	0.60	0.67	0.74	0.81	0.87					
	20		0.29	0.39	0.48	0.55	0.63	0.69	0.76	0.82					
	22		0.23	0.34	0.43	0.51	0.58	0.65	0.72	0.77					
	24		0.15	0.29	0.38	0.46	0.53	0.60	0.67	0.73					
60	18		0.32	0.41	0.49	0.56	0.62	0.69	0.75						
	20		0.26	0.36	0.44	0.51	0.58	0.65	0.70						
	22		0.21	0.31	0.39	0.47	0.53	0.60	0.66						
	24		0.14	0.26	0.35	0.42	0.49	0.56	0.61						
55	18		0.29	0.37	0.44	0.51	0.58	0.64							
	20		0.24	0.33	0.40	0.47	0.54	0.59							
	22		0.18	0.28	0.36	0.42	0.49	0.55							
	24		0.12	0.23	0.31	0.38	0.44	0.50							
50	18		0.26	0.33	0.40	0.46	0.53								
	20		0.21	0.29	0.36	0.42	0.48								
	22		0.16	0.25	0.32	0.38	0.44								
	24		0.10	0.20	0.28	0.34	0.40								
45	18		0.23	0.30	0.36	0.42									
	20		0.18	0.26	0.32	0.38									
	22		0.14	0.22	0.28	0.34									
	24		0.08	0.17	0.24	0.30									
40	18		0.20	0.26	0.32										
	20		0.15	0.22	0.28										
	22		0.11	0.18	0.24										
	24		0.07	0.14	0.20										
35	18		0.16	0.22											
	20		0.13	0.18											
	22		0.09	0.15											
	24		0.05	0.11											
30	18		0.13												
	20		0.09												
	22		0.06												
	24		0.03												

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442.
An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

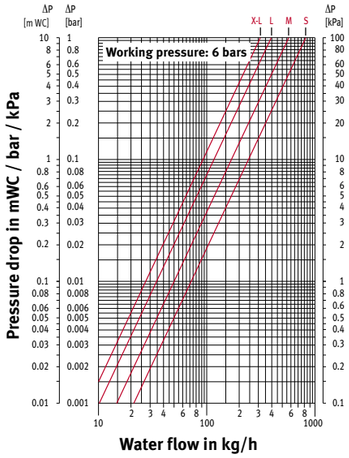
DECO RADIATORS: PANEL PLUS - DECO PANEL - DECO SPACE - IGUANA - TETRA - CROSSROADS - MOON

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

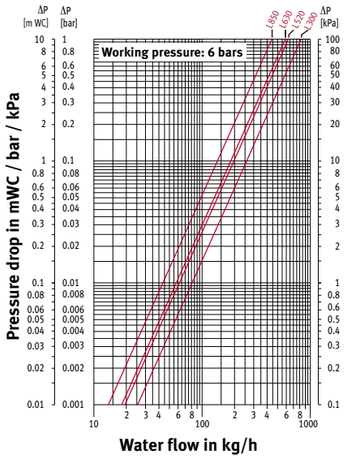
Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.47	0.59	0.70	0.80	0.89	0.98	1.07	1.15	1.23	1.32	1.39	1.46	1.53
	20		0.40	0.53	0.65	0.75	0.84	0.93	1.01	1.09	1.17	1.27	1.34	1.41	1.48
	22		0.32	0.47	0.59	0.69	0.79	0.87	0.96	1.04	1.12	1.21	1.28	1.35	1.42
	24		0.22	0.41	0.53	0.64	0.73	0.82	0.91	0.99	1.07	1.14	1.23	1.29	1.36
85	18		0.44	0.56	0.66	0.76	0.85	0.93	1.01	1.09	1.19	1.25	1.32	1.39	
	20		0.37	0.50	0.61	0.70	0.79	0.88	0.96	1.04	1.12	1.20	1.27	1.34	
	22		0.30	0.44	0.55	0.65	0.74	0.83	0.91	0.99	1.06	1.15	1.21	1.28	
	24		0.20	0.38	0.50	0.60	0.69	0.77	0.85	0.93	1.01	1.09	1.16	1.23	
80	18		0.41	0.52	0.62	0.71	0.80	0.88	0.96	1.04	1.12	1.19	1.25		
	20		0.35	0.47	0.57	0.66	0.75	0.83	0.91	0.98	1.07	1.13	1.20		
	22		0.28	0.41	0.52	0.61	0.70	0.78	0.86	0.93	1.01	1.08	1.15		
	24		0.19	0.35	0.46	0.56	0.64	0.73	0.80	0.88	0.96	1.03	1.09		
75	18		0.38	0.49	0.58	0.67	0.75	0.83	0.90	0.99	1.05	1.12			
	20		0.32	0.44	0.53	0.62	0.70	0.78	0.85	0.94	1.00	1.07			
	22		0.25	0.38	0.48	0.57	0.65	0.73	0.80	0.88	0.95	1.01			
	24		0.17	0.32	0.43	0.52	0.60	0.68	0.75	0.83	0.90	0.96			
70	18		0.35	0.45	0.54	0.63	0.70	0.78	0.86	0.92	0.99				
	20		0.29	0.40	0.49	0.58	0.65	0.73	0.81	0.87	0.94				
	22		0.23	0.35	0.44	0.53	0.61	0.68	0.75	0.82	0.88				
	24		0.15	0.30	0.39	0.48	0.56	0.63	0.70	0.77	0.83				
65	18		0.32	0.42	0.50	0.58	0.65	0.72	0.80	0.86					
	20		0.27	0.37	0.46	0.53	0.61	0.68	0.75	0.81					
	22		0.21	0.32	0.41	0.49	0.56	0.63	0.70	0.76					
	24		0.14	0.27	0.36	0.44	0.51	0.58	0.65	0.71					
60	18		0.29	0.38	0.46	0.54	0.60	0.68	0.74						
	20		0.24	0.34	0.42	0.49	0.56	0.63	0.69						
	22		0.19	0.29	0.37	0.44	0.51	0.58	0.64						
	24		0.12	0.24	0.33	0.40	0.47	0.54	0.59						
55	18		0.27	0.35	0.42	0.49	0.56	0.62							
	20		0.22	0.30	0.38	0.44	0.51	0.57							
	22		0.17	0.26	0.33	0.40	0.46	0.53							
	24		0.10	0.21	0.29	0.36	0.42	0.48							
50	18		0.24	0.31	0.38	0.44	0.50								
	20		0.19	0.27	0.34	0.40	0.46								
	22		0.14	0.23	0.30	0.36	0.42								
	24		0.09	0.18	0.25	0.32	0.37								
45	18		0.21	0.27	0.34	0.40									
	20		0.16	0.23	0.30	0.35									
	22		0.12	0.19	0.26	0.31									
	24		0.07	0.16	0.22	0.27									
40	18		0.18	0.24	0.29										
	20		0.14	0.20	0.26										
	22		0.10	0.16	0.22										
	24		0.06	0.13	0.18										
35	18		0.14	0.20											
	20		0.11	0.16											
	22		0.08	0.13											
	24		0.04	0.10											
30	18		0.11												
	20		0.08												
	22		0.05												
	24		0.02												

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442.
An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

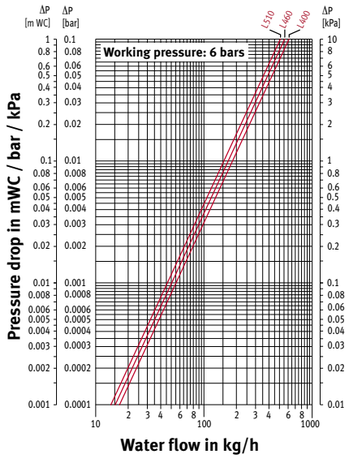
HEATWAVE



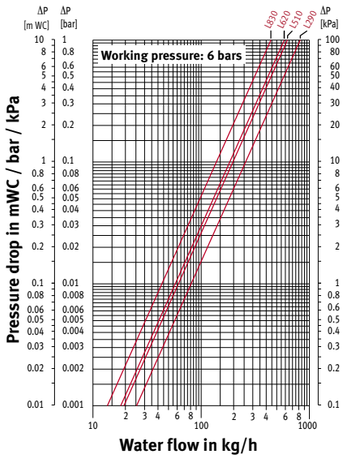
IGUANA APLANO
IGUANA APLANO PLUS



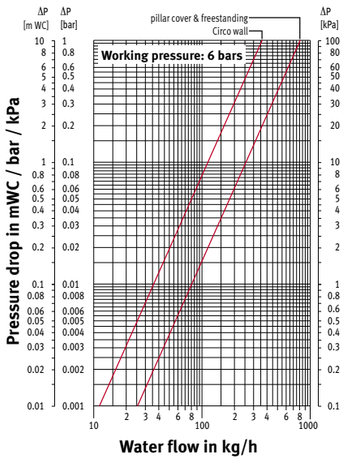
IGUANA ANGULA PLUS



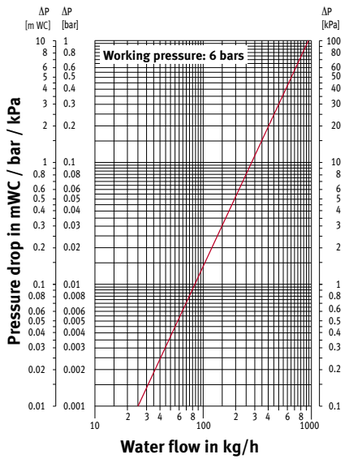
IGUANA ARCO / VISIO
IGUANA ARCO / VISIO PLUS



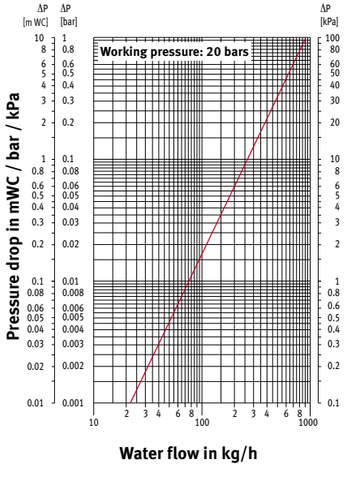
IGUANA CIRCO WALL / PILLAR COVER & FREESTANDING



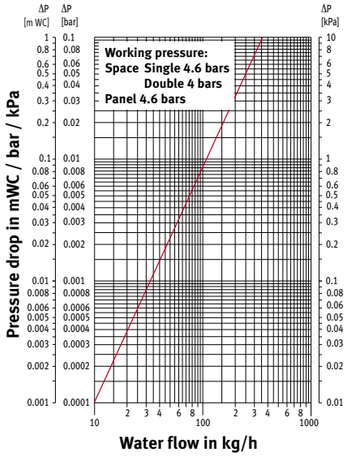
IGUANA CORNER
IGUANA CORNER PLUS



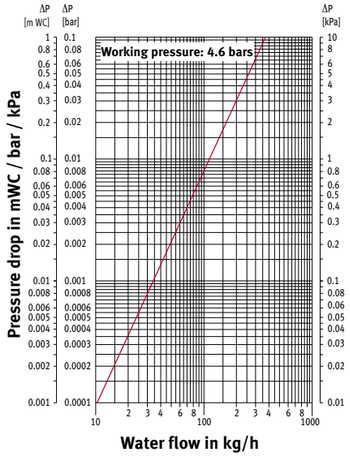
TETRA



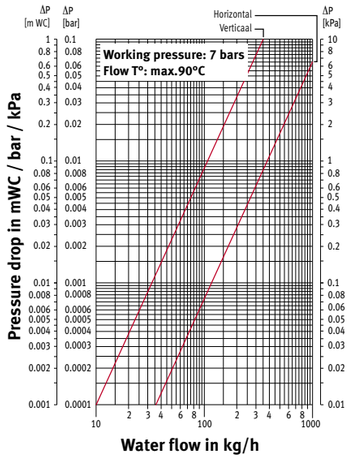
DECO SPACE
DECO PANEL



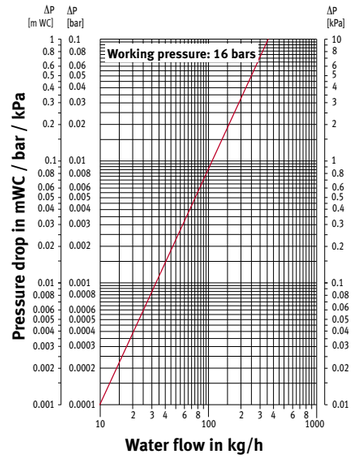
PANEL PLUS



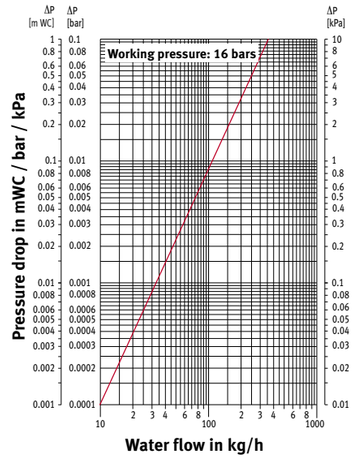
GEO



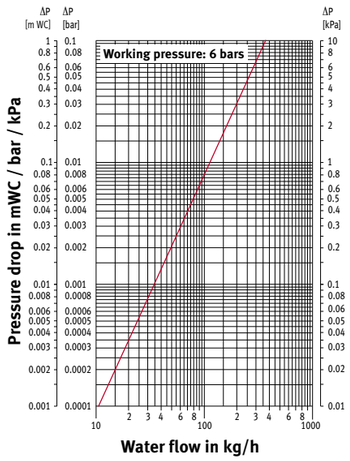
CROSSROADS



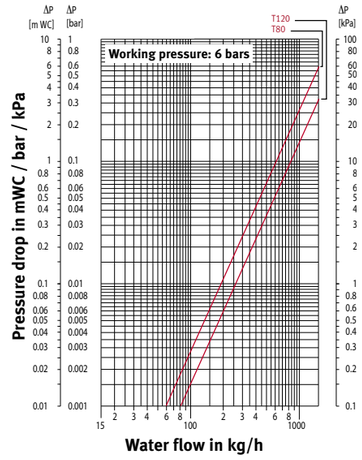
MOON



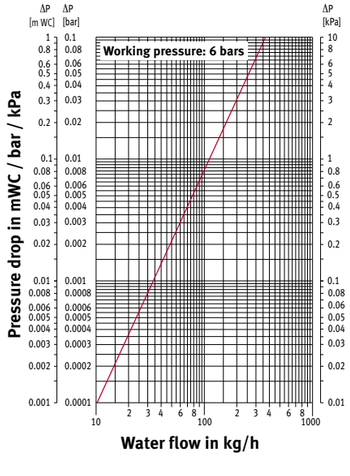
ACCOLADE SANI



VERTIGA



SANI BOW
SANI BASIC



DECORATIVE ▪ WEIGHT IN KG

PANEL PLUS HORIZONTAL - kg/cm

H	P11	P22	P34
120	0.062	0.113	0.193
180	0.087	0.162	0.276
240	0.105	0.196	0.359
310	0.130	0.245	0.422
370	0.156	0.294	--
430	0.181	0.343	--
500	0.206	0.392	--
560	0.231	0.440	--
620	0.257	0.489	--
690	0.274	0.523	--
750	0.292	0.557	--
810	0.310	0.591	--
870	0.328	0.625	--
940	0.346	0.659	--

DECO PANEL HORIZONTAL - kg/cm

	H 280	340	400	530	660	780
Enkel	0.08	0.09	0.11	0.15	0.18	0.22
Dubbel	0.14	0.18	0.21	0.28	0.35	0.42

GEO HORIZONTAL

L	H 600
1000	46.0
1200	50.0
1400	59.0
1600	64.0
1800	71.0

IGUANA CIRCO PILLAR COVER

L	H 1800	1920	2000	2200	2400
270	59.5	63.1	65.4	71.3	77.5
310	69.7	73.9	76.7	83.6	91.0
340	80.0	84.8	88.0	96.0	104.5

IGUANA CIRCO FREESTANDING

L	H 1800	1920	2000	2200	2400
270	84.0	89.6	93.3	102.7	112.0
310	99.0	105.6	110.0	121.0	132.0
340	122.7	130.9	136.4	150.0	163.6

HEATWAVE

Model	OS	OM	OL	XL
	12.0	24.0	48.0	60.0

VERTIGA

	T 08			T 12		
L	410	520	650	530	700	800
Primo	32.5	37.9	43.4	42.2	50.6	58.0
Glow	34.2	40.3	45.3	46.7	53.8	60.0
Dunes	34.0	39.9	44.9	46.4	53.4	59.6
Kirei	34.9	41.1	46.1	47.7	54.9	61.2

IGUANA CIRCO WALL

L	H 1800	1920	2000	2200	2400
270	28.7	30.4	31.6	34.5	37.7
310	33.8	35.9	37.3	40.8	44.4
340	39.0	41.4	43.0	47.0	51.3

IGUANA APLANO

L	H 180	192	200	220	240
030	28.5	30.2	31.4	34.4	37.5
041	38.8	41.2	42.8	46.8	51.1
052	49.1	52.2	54.2	59.3	64.7
063	59.5	63.2	65.6	71.8	78.3
074	69.8	74.1	77.0	84.2	92.0
085	80.1	85.1	88.4	96.7	105.6

IGUANA ARCO

L	H 1800	1920	2000	2200	2400
290	29.0	30.7	31.9	34.9	38.1
410	39.5	41.9	43.5	47.5	51.9
510	50.1	53.2	55.2	60.3	65.8
620	60.5	64.2	66.7	72.8	79.5
730	71.1	75.4	78.3	85.5	93.4
830	81.6	86.6	89.9	98.2	107.2

IGUANA VISIO

L	H 180	192	200	220	240
051	28.7	30.4	31a.6	34.5	37.7
062	33.8	35.9	37.3	40.8	44.4
073	39.0	41.4	43.0	47.0	51.3

IGUANA VISIO

L	H 1800	1920	2000	2200	2400
510	28.7	30.4	31a.6	34.5	37.7
620	33.8	35.9	37.3	40.8	44.4
730	39.0	41.4	43.0	47.0	51.3

IGUANA CIRCO CORNER

L	H 1250	1500	1800	1920	2000	2200	2400
270	25.0	29.4	34.6	36.7	38.1	41.6	45.4

IGUANA ANGULA

L	H 1800	1920	2000	2200	2400
400	57.7	61.0	63.4	69.2	75.3
460	68.3	72.3	75.1	81.9	89.3
510	78.9	83.5	86.8	94.7	103.2

TETRA

L	H 1800	2000
330	25.1	27.8
410	30.5	33.8
500	35.9	39.8
580	41.4	45.8
670	46.8	51.8

PANEL PLUS VERTICAL - kg/cm

H 1800	2000	2200	2400	2600	2800	3000
0.613	0.675	0.737	0.800	0.862	0.924	1.986

DECO SPACE - kg/cm

	H 1800	1920	2000	2200	2400	2600
SIngle	0.74	0.79	0.82	0.89	0.97	1.04
DOuble	1.46	1.55	1.61	1.76	1.91	2.06

DECO PANEL VERTICAL - kg/cm

	H 1800	1920	2000	2200	2400	2600
SIngle	0.53	0.56	0.58	0.63	0.68	0.73
DOuble	1.02	1.08	1.12	1.23	1.33	1.43

GEO VERTICAL

L	H 1500	1800
500	55.7	- -
600	- -	98.0

CROSSROADS

L	H 2000	
600	20.0	SS-version
600	25.0	

MOON

L	H 1960
500	74.0

ACCOLADE SANI

L	H 890	1220	1530	1810	2150
500	8.9	12.8	15.8	19.1	23.0
650	12.0	16.5	19.9	23.7	28.3
800	14.0	19.7	24.0	28.8	34.6
950	15.1	21.4	26.2	31.4	37.8

SANI BASIC - SANI BOW

L	H 940	1320	1700	1980
500	7.7	10.8	13.9	--
600	8.9	12.4	16.0	18.9
750	10.6	14.9	19.1	22.6

Weight and water content without packaging or options

WATER CONTENT IN LITRES ▪ DECORATIVE

PANEL PLUS HORIZONTAL - litre/cm

H	P11	P22	P34
120	0.014	0.021	0.034
180	0.021	0.032	0.052
240	0.024	0.044	0.051
310	0.030	0.055	0.064
370	0.036	0.066	--
430	0.042	0.078	--
500	0.048	0.089	--
560	0.054	0.100	--
620	0.060	0.111	--
690	0.066	0.122	--
750	0.072	0.133	--
810	0.078	0.145	--
870	0.084	0.156	--
940	0.090	0.167	--

DECO PANEL HORIZONTAL - litre/mm

	H 280	340	400	530	660	780
SIngle	0.021	0.027	0.032	0.042	0.053	0.063
DOuble	0.042	0.053	0.063	0.083	0.104	0.125

GEO HORIZONTAL

L	H 060
1000	4.4
1200	4.8
1400	5.2
1600	5.6
1800	6.0

IGUANA CIRCO FREESTANDING
IGUANA CIRCO PILLAR COVER

L	H 1800	1920	2000	2200	2400
270	19.2	20.4	21.2	23.4	25.6
310	22.6	24.2	25.2	27.6	30.2
340	26.2	27.8	29.0	32.0	34.8

HEATWAVE

Model	OS	OM	OL	XL
	0.40	0.78	1.57	2.36

VERTIGA

	T 08			T 12		
L	410	520	650	530	700	800
Primo	1.4	1.4	1.4	2.4	2.4	2.4
Glow	1.4	1.4	1.4	2.4	2.4	2.4
Dunes	1.4	1.4	1.4	2.4	2.4	w2.4
Kirei	1.4	1.4	1.4	2.4	2.4	2.4

IGUANA CIRCO WALL

L	H 180	192	200	220	240
27	9.6	10.2	10.6	11.7	12.8
31	11.3	12.1	12.6	13.8	15.1
34	13.1	13.9	14.5	16.0	17.4

IGUANA APLANO

L	H 1800	1920	2000	2200	2400
300	9.6	10.2	10.6	11.7	12.8
410	13.1	13.9	14.5	16.0	17.4
520	16.6	17.7	18.4	20.2	22.1
630	20.0	21.4	22.3	24.5	26.7
740	23.5	25.1	26.1	28.8	31.4
850	27.0	28.8	30.0	33.0	36.0

IGUANA ARCO

L	H 1800	1920	2000	2200	2400
290	9.6	10.2	10.6	11.7	12.8
410	13.1	13.9	14.5	16.0	17.4
510	16.6	17.7	18.4	20.2	22.1
620	20.0	21.4	22.3	24.5	26.7
730	23.5	25.1	26.1	28.8	31.4
830	27.0	28.8	30.0	33.0	36.0

IGUANA VISIO

L	H 1800	1920	2000	2200	2400
510	10.2	10.8	11.2	12.3	13.4
620	12.0	12.8	13.3	14.6	15.8
730	13.9	14.8	15.4	16.8	18.3

IGUANA CIRCO CORNER

L	H 1250	1500	1800	1920	2000	2200	2400
270	8.6	10.2	12.0	12.8	13.3	14.6	15.8

IGUANA ANGULA

L	H 1800	1920	2000	2200	2400
400	19.4	20.7	20.7	22.7	24.8
460	21.8	23.3	24.3	26.6	29.1
510	24.9	26.7	27.8	30.5	33.4

TETRA

L	H 1800	2000
330	15.10	24.10
410	18.80	30.10
500	22.60	36.10
580	26.40	42.10
670	30.10	48.10

PANEL PLUS VERTICAL - litre/cm

H 1800	2000	2200	2400	2600	2800	3000
0.139	0.152	0.164	0.176	0.188	0.201	0.213

DECO SPACE - litre/cm

	H 1800	1920	2000	2200	2400	2600
Single	0.21	0.23	0.24	0.26	0.28	0.30
Double	0.43	0.45	0.47	0.51	0.55	0.59

DECO PANEL VERTICAL - litre/cm

	H 1800	1920	2000	2200	2400	2600
Single	0.13	0.14	0.14	0.16	0.17	0.18
Double	0.26	0.28	0.29	0.31	0.34	0.36

GEO VERTICAL

L	H 1500	1800
500	3.1	- -
600	- -	4.7

CROSSROADS

L	H 2000
600	9.30

MOON

L	H 1960
500	2.50

ACCOLADE SANI

L	H 890	1220	1530	1810	2150
500	2.2	3.2	4.0	4.7	5.9
650	2.8	4.0	5.0	5.9	7.3
800	3.3	4.9	5.9	7.1	8.6
950	3.9	5.7	6.9	8.3	10.0

SANI BASIC - SANI BOW

L	H 940	1320	1700	1980
500	3.7	5.2	6.7	--
600	4.2	5.9	7.6	9.0
750	4.9	6.9	8.9	10.6

Weight and water content without packaging or options

HYBRID SOLUTIONS ▪ CORRECTION FACTORS

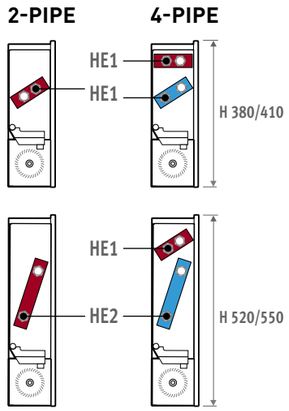
TOP PERFORMERS: BRIZA - BRISE - FREEDOM CLIMA - FREEDOM MICRO - MICRO CANAL - CLIMA CANAL - CLIMA QUATRO CANAL

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

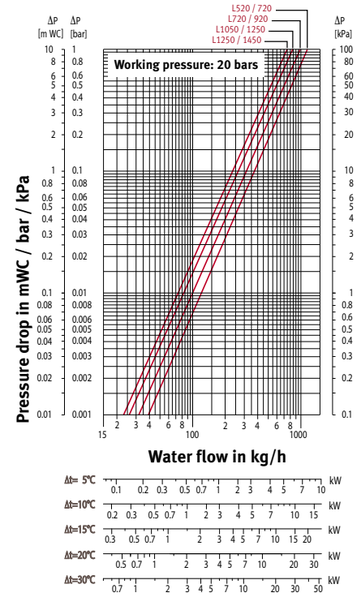
Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.56	0.67	0.76	0.84	0.92	0.99	1.05	1.11	1.17	1.24	1.29	1.34	1.39
	20		0.49	0.62	0.71	0.80	0.87	0.94	1.01	1.07	1.13	1.20	1.25	1.30	1.35
	22		0.42	0.56	0.66	0.75	0.83	0.90	0.97	1.03	1.09	1.16	1.21	1.26	1.31
	24		0.31	0.50	0.61	0.71	0.79	0.86	0.93	0.99	1.05	1.11	1.17	1.22	1.27
85	18		0.53	0.64	0.73	0.81	0.88	0.95	1.01	1.07	1.14	1.19	1.24	1.29	
	20		0.47	0.59	0.68	0.76	0.84	0.91	0.97	1.03	1.09	1.15	1.20	1.25	
	22		0.39	0.53	0.63	0.72	0.79	0.86	0.93	0.99	1.05	1.11	1.16	1.21	
	24		0.29	0.47	0.58	0.67	0.75	0.82	0.89	0.95	1.01	1.07	1.12	1.17	
80	18		0.50	0.61	0.70	0.77	0.84	0.91	0.97	1.03	1.09	1.14	1.19		
	20		0.44	0.56	0.65	0.73	0.80	0.87	0.93	0.99	1.05	1.10	1.15		
	22		0.37	0.50	0.60	0.68	0.76	0.82	0.89	0.95	1.01	1.06	1.11		
	24		0.27	0.45	0.55	0.64	0.71	0.78	0.85	0.91	0.97	1.02	1.07		
75	18		0.48	0.58	0.66	0.74	0.80	0.87	0.93	0.99	1.04	1.09			
	20		0.42	0.53	0.62	0.69	0.76	0.82	0.88	0.95	1.00	1.05			
	22		0.35	0.48	0.57	0.65	0.72	0.78	0.84	0.91	0.96	1.01			
	24		0.25	0.42	0.52	0.60	0.68	0.74	0.80	0.87	0.92	0.97			
70	18		0.45	0.55	0.63	0.70	0.76	0.82	0.89	0.94	0.99				
	20		0.39	0.50	0.58	0.65	0.72	0.78	0.85	0.90	0.95				
	22		0.32	0.45	0.54	0.61	0.68	0.74	0.80	0.86	0.91				
	24		0.24	0.39	0.49	0.57	0.64	0.70	0.76	0.82	0.87				
65	18		0.42	0.51	0.59	0.66	0.72	0.78	0.84	0.89					
	20		0.36	0.47	0.55	0.62	0.68	0.74	0.80	0.85					
	22		0.30	0.42	0.50	0.57	0.64	0.70	0.76	0.81					
	24		0.22	0.36	0.46	0.53	0.60	0.66	0.72	0.77					
60	18		0.39	0.48	0.55	0.62	0.68	0.74	0.79						
	20		0.34	0.43	0.51	0.58	0.64	0.70	0.75						
	22		0.28	0.39	0.47	0.54	0.60	0.66	0.71						
	24		0.20	0.33	0.42	0.49	0.56	0.62	0.67						
55	18		0.36	0.44	0.51	0.58	0.64	0.69							
	20		0.31	0.40	0.47	0.54	0.60	0.65							
	22		0.25	0.35	0.43	0.49	0.55	0.61							
	24		0.17	0.30	0.39	0.45	0.51	0.57							
50	18		0.33	0.41	0.47	0.53	0.59								
	20		0.28	0.36	0.43	0.49	0.55								
	22		0.22	0.32	0.39	0.45	0.51								
	24		0.15	0.27	0.35	0.41	0.47								
45	18		0.30	0.37	0.43	0.49									
	20		0.25	0.33	0.39	0.45									
	22		0.20	0.28	0.35	0.41									
	24		0.13	0.24	0.31	0.37									
40	18		0.26	0.33	0.39										
	20		0.22	0.29	0.35										
	22		0.17	0.25	0.31										
	24		0.11	0.20	0.27										
35	18		0.23	0.29											
	20		0.18	0.25											
	22		0.14	0.21											
	24		0.08	0.16											
30	18		0.19												
	20		0.14												
	22		0.10												
	24		0.06												

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. wΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

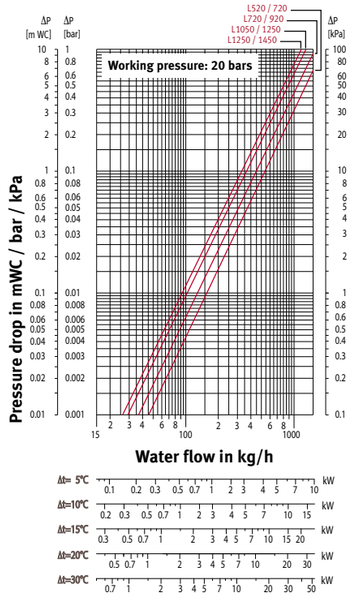
PRESSURE DROP ▪ HYBRID SOLUTIONS



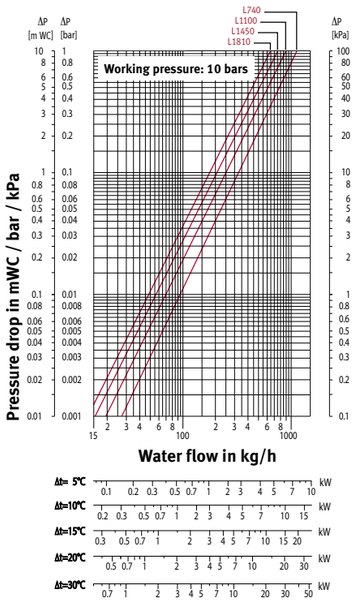
BRIZA
HEAT EXCHANGER HE1



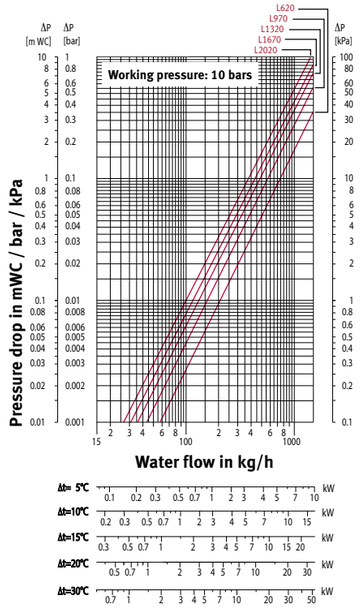
BRIZA
HEAT EXCHANGER HE2



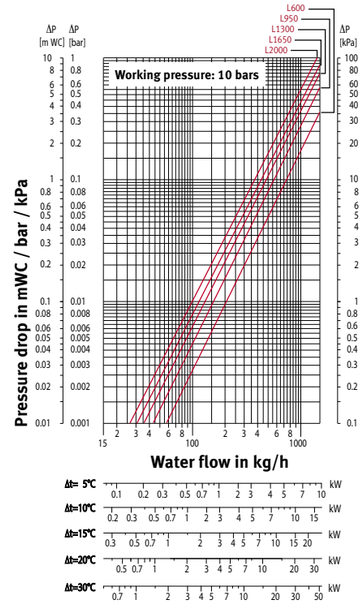
FREEDOM CLIMA



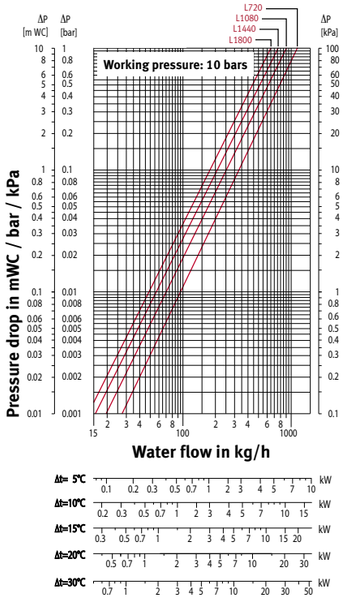
FREEDOM MICRO



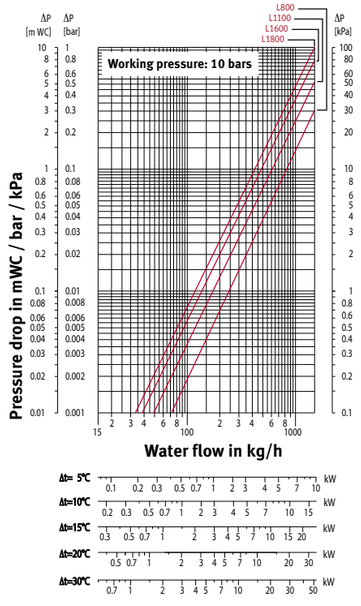
MICRO CANAL



CLIMA CANAL



QUATRO CANAL



WEIGHT IN KG

BRIZA

L	With casing				Built-in			
	H 410		H 550		H 380		H 520	
	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe
520/750	16.0	17.0	18.0	19.0	7.0	8.0	8.0	9.0
720/950	20.3	21.3	23.0	24.0	9.0	10.0	10.0	11.0
1020/1250	27.5	29.0	30.0	31.5	13.0	14.5	14.0	15.5
1220/1450	31.9	33.9	34.0	36.0	14.0	16.0	15.0	17.0

FREEDOM CLIMA

L	
740	11.5
1100	16.7
1450	20.7
1810	26.7

FREEDOM MICRO

L	
620	8.2
970	12.2
1320	15.7
1670	19.5
2020	23.1

MICRO CANAL

L	
600	6.7
950	10.0
1300	13.5
1650	17.0
2000	20.4

CLIMA CANAL

L	H 008	010
720	6.4	7.8
1080	10.1	12.5
1440	14.4	17.9
1800	18.8	23.9

CLIMA QUATRO CANAL

L	
800	12.8
1100	17.6
1600	25.6
1800	28.8

Weight and water content without packaging or options

WATER CONTENT IN LITRES

BRIZA

L	H 380 / 410		H 520 / 550	
	2-pipe	4-pipe	2-pipe	4-pipe
520/720	0.166	0.332	0.332	0.498
720/920	0.270	0.540	0.540	0.810
1050/1250	0.433	0.866	0.866	1.299
1250/1450	0.539	1.078	1.078	1.617

FREEDOM CLIMA

L	
740	0.12
1100	0.28
1450	0.44
1810	0.60

FREEDOM CLIMA

L	
620	0.09
970	0.18
1320	0.27
1670	0.36
2020	0.45

MICRO CANAL

L	
600	0.089
950	0.178
1300	0.267
1650	0.356
2000	0.445

CLIMA CANAL

L	
720	0.120
1080	0.279
1440	0.439
1800	0.598

CLIMA QUATRO CANAL

L	Heating	Cooling
800	0.092	0.183
1100	0.157	0.315
1600	0.276	0.552
1800	0.346	0.692

PROJECTS

Jaga manufactures high-quality, energy-efficient solutions for all your heating, cooling and ventilation projects and exports its products to more than 50 countries. Its list of achievements includes, among others, the Federation Towers in Moscow, one of the tallest buildings in Europe. We are proud to mention the Telefonica HQ in Spain and the new international airport in Porto, Portugal in our ever-growing portfolio.

Jaga products can be found in some award - winning ecological projects that are certified under LEED (Leadership in Energy and Environmental Design), BREEAM (Building Research Establishment Environmental Assessment Method) and DGNB (German Sustainable Building Seal), located worldwide, including Australia, Canada, Germany, the UK, and Belgium.

Apart from an extensive standard range, we also specialise in offering special products tailor-made to the customer's needs. Sizes, heat outputs and design are decided through mutual discussion, and we help you find the best solution for your project in collaboration with you.

The HVAC industry is changing rapidly, but our products are highly suitable for the low water temperatures that heat pumps, solar energy systems and condensing boilers require.

jaga

CREATE EMOTION

PRESENTING PROJECTS































EXAMPLES

	Project	Country	Product	
1	Sky Believe in Better Building	United Kingdom	Mini Canal and Tetra	BREEAM Excellent
2	Churchill Retirement Living	United Kingdom	Strada DBE	
3	V&A Museum London	United Kingdom	Clima Canal and Oxygen	
4	Price Waterhouse Cooper, London	United Kingdom	Mini Canal	BREEAM Outstanding
5	Network Rail	United Kingdom	Mini Canal, Mini Canal DBE and Strada	
6	Bridport United Church	United Kingdom	Continuous LST, Mini Canal and Mini Freestanding	
7	Ampersand Building, Soho, London	United Kingdom	Mini Canal	BREEAM Very Good
8	Rectory Farm	United Kingdom	Unit Heaters	
9	Council House 2 Melbourne	Australia	Mini Canal	6 Star Green Building
10	Telefonica Madrid	Spain	Mini Canal	
11	Akasya Project Istanbul	Turkey	Micro Canal	Best Residential Development MIPIM awards
12	Covent Garden Brussels	Belgium	Mini Canal & Linea Plus	
13	The Edge	Amsterdam	Mini Freestanding	BREEAM Outstanding













ABOUT JAGA

Jaga is a family business originally founded in Diepenbeek, Belgium in 1962, manufacturing a wide range of energy-efficient, heating, ventilation and cooling solutions. Jaga UK was then established in 1991 and is now one of the UK's leading distributors of award-winning, energy-saving, radiators, trench and perimeter heaters as well a wide range of stylish decorative products.

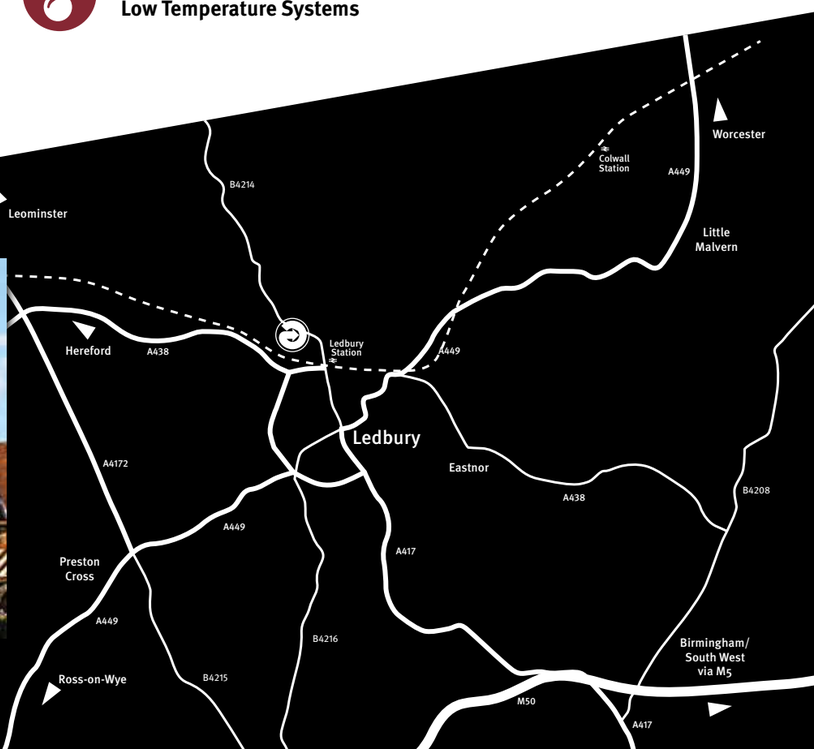
Based in the outskirts of the picturesque town of Ledbury in Herefordshire Jaga UK prides itself on carrying over the family business values. This includes providing award-winning customer service. Jaga's flexible approach to manufacturing enables us to provide a large range of standard products and customised solutions to meet the needs of the HVAC client base.

JAGA UK PROVIDES SOLUTIONS WITHIN THE FOLLOWING SECTORS:

- **Residential Care, Care Home and Nursing Homes**
- **Hospitals and Healthcare**
- **Commercial**
- **Hotels and Leisure Centres**
- **Educational Establishments (Nursery schools through to universities)**
- **Churches and Religious Building**
- **Student Accommodation**
- **Warehousing**
- **Sheltered Housing**
- **Renewable Heat Sources/ Low Temperature Systems**
- **Prisons and Secure Facilities**



Ledbury Market House





WHAT MAKES JAGA SUSTAINABLE?

Sustainability does not just start when the product is in use, but from the sourcing of the materials and throughout the product life cycle. Being sustainable and reducing our impact on the environment is what we do. There is no Planet B*. The values are the ethos on which the company bases everything.

HIGHEST EFFICIENCY RATINGS

Jaga's Low-H_2O uses less energy than any other radiator and contains 90% less water than that of an equivalent steel panel. Meaning faster response times and no wasteful over-heating.

BUILT TO LAST

The heat exchanger consists of aluminium heating fins, copper and brass irrigation tubes and brass collectors. Totally rust-free, resistant to very high working pressures and with a 30-year guarantee. A long life means lower environmental impact.

EFFICIENT USE OF MATERIALS

Since copper and aluminium are such efficient heat conductors, only a relatively small quantity of these materials are required, this includes the casing. A Low-H_2O radiator weighs much less and uses a lot less materials than a steel panel radiator.

FULLY RECYCLABLE

Copper and aluminium may not seem like the most ecological choice, but due to their high efficiency, long life, and the fact that these valuable materials are always fully recyclable, it will ultimately result in an improved LCA score.

"Low-H_2O radiators reduce the CO_2 emissions of an average house by about 1000 kg."



RESPECT NATURE

**Ban Ki-Moon, Former Secretary General of the UN*

JAGA LOW-H_2O RADIATORS REDUCE WASTE

BEST LCA - SCORE

Life cycle analysis (LCA) according to the Ovam Ecolizer database and weight.
Example for a 10 kW heating system, 45/35/20 temperature profile.

	underfloor heating	cast iron radiator	steel panel radiator	Jaga Low-H_2O radiator
LCA Score	248700	248744	185853	66517
Total weight incl. water (kg)	6252	360	216.7	48.8

What is an LCA score?
LCA or 'Life Cycle Assessment' is a system designed to compare products and their overall impact on the environment. This looks at all processes from design, materials sourced, manufacturing, energy usage until the product is ultimately 'retired'. Governments are trying to standardise LCA systems and to integrate them into the legislation. Jaga uses Ovam's Ecoliser 2.0 based on the Eco-Indicator EI-99 database. The lower the LCA score, less adverse impact on the environment. Jaga Low-H_2O radiators score significantly better than other radiators or heating systems.



JAGA HISTORY & AWARDS

1962: JAGA STARTS INNOVATION

Jan and Gaston Kriekels, central heating installers, started developing their own radiators because they were not happy with existing solutions.

1975: GLOBAL ENERGY CRISIS

In response to the crisis, Jaga develops a complete range of heat pumps: the first Jaga Top Performers.

1985: DECO RADIATORS

A new type of vertical radiator sees the light. The radiator was launched with an artistic photo shoot in the caves of Kanne.

1987: TABOE

The first radiator with collectors in the centre opened up a whole new spectrum of designs and applications. Invented by Jaga, copied by many!

1989: LINEA PLUS

Linea Plus introduces a new design in the world of radiators. With a flat front panel and innovative perforated top

1998: IGUANA

Launch of Jaga's most successful Deco radiators. Frequent winner of design awards. Based on a child's drawing of a radiant sun.

2003: FRANK GEHRY BUILDING

Jaga opens PPC: renewed Product Presentation centre in the Frank Gehry buildings in Düsseldorf

2005: DYNAMIC BOOST EFFECT

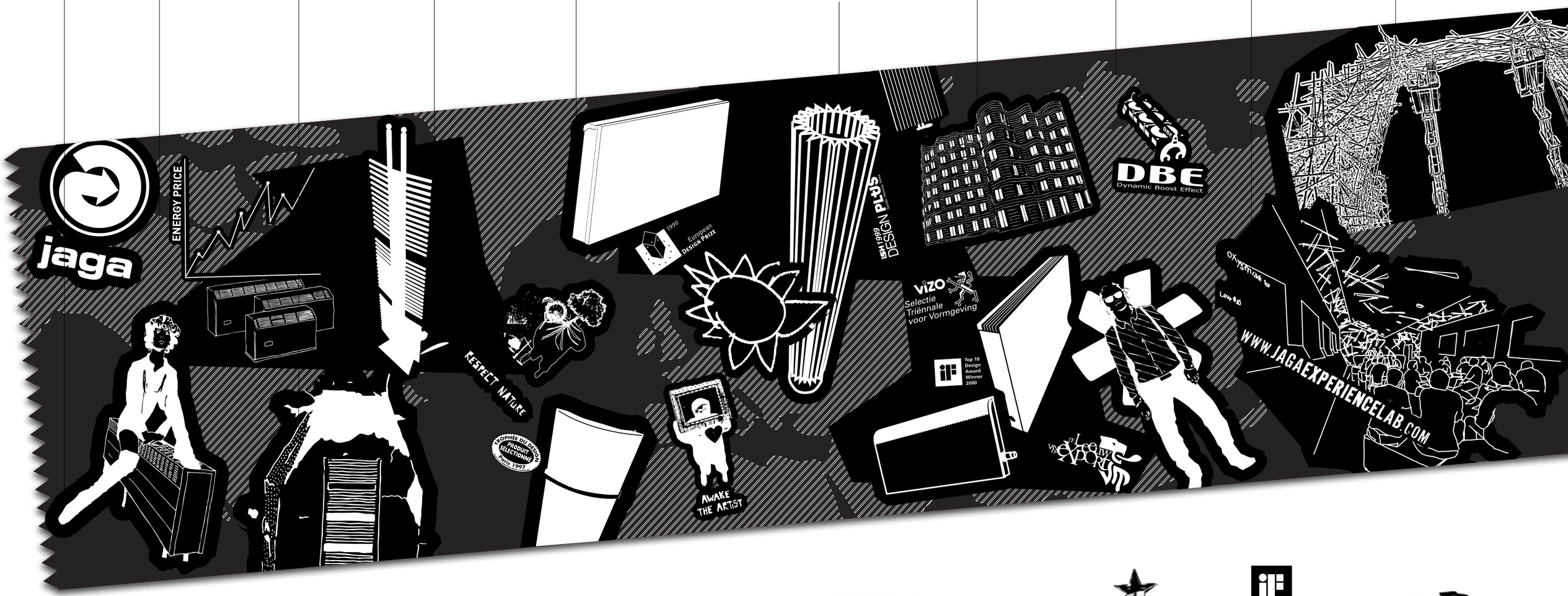
DBE: Dynamic Boost Effect doubles the heat output. Less radiator, more heat. DBE party to launch this low water-temperature radiator.

2005: JAGA EXPERIENCE LAB

A unique climate laboratory for open innovation starts to operate. A knowledge centre and test laboratory where everyone is welcome.

2006: BURNING MAN

The Uchronia Community builds the greatest work of art ever at the Burning Man Art Festival in the Nevada desert



1990 European DESIGN PRIZE

1990: EUROPEAN DESIGN AWARD

With Linea Plus Jaga earns its first Design Award.

TROPHÉE DU DESIGN PRODUIT SÉLECTIONNÉ Paris 1997

1997: TROPHÉE DU DESIGN PARIS

Geo, a radiator of granulated natural stone, wins the Trophée du Design Paris.

DESIGN PLUS

1999: ISH-DESIGN AWARD

Iguana wins its first - and certainly not its last -Design Award.

Top 10 Design Award Winner 2000

2000: IF-TOP 10 DESIGN AWARD

Iguana wins IF Top Ten across all product categories.

vizo Selectie Triënnale voor Vormgeving

2001: VIZO-TRIËNNALE

Iguana and Geo in the permanent collection of the Museum of Modern Art in Ghent (SMAK).

2002: GOLDEN BRIDGE

Award for most innovative company.

design award winner 2003

2003: IF-DESIGN AWARD

IF-Award for Knockonwood and Strada.

2003: LEEUW VAN DE EXPORT

Award for best performance.

2007: HEATWAVE

Playful curves out of a concrete shell. Designed by Jaga & Joris Laarman.

THE CHOCOLATE EXPERIENCE

Heatwave launch with chocolate radiators at the design fair in Milan 2007.

2007: LIVING TOMORROW

Jaga selected as a partner for the home of the future, both in Vilvoorde as well as in Amsterdam

2007: JAGA PRODUCT DAYS

Partners from 24 countries collaborate in thinking about Jaga products for the future.

2009: JAGA WORLD TOUR EXPERIENCE TRUCK

Presentation of Jaga values and climate solutions. In 2011, Jaga had already covered 42 countries across different continents.

2010: RUBBISH

Jaga's rubbish exhibition made from production waste. Waste upgraded to a functional, modular and aesthetic exhibition system, still in use in 2012!

2011: VERTIGA

Vertiga is the first combination of Energy Savers, Eyecatchers and Top Performers. A brand new design radiator for extremely low water temperatures.

2011: ISOLA COMACINA

Press conference on the Comacina Island, for the 'Sukha' - the first "roommate": an individual heating system that combines heating with furniture. Developed by Alain Berteau and Jaga.

2011: WORLD CREATIVITY FORUM

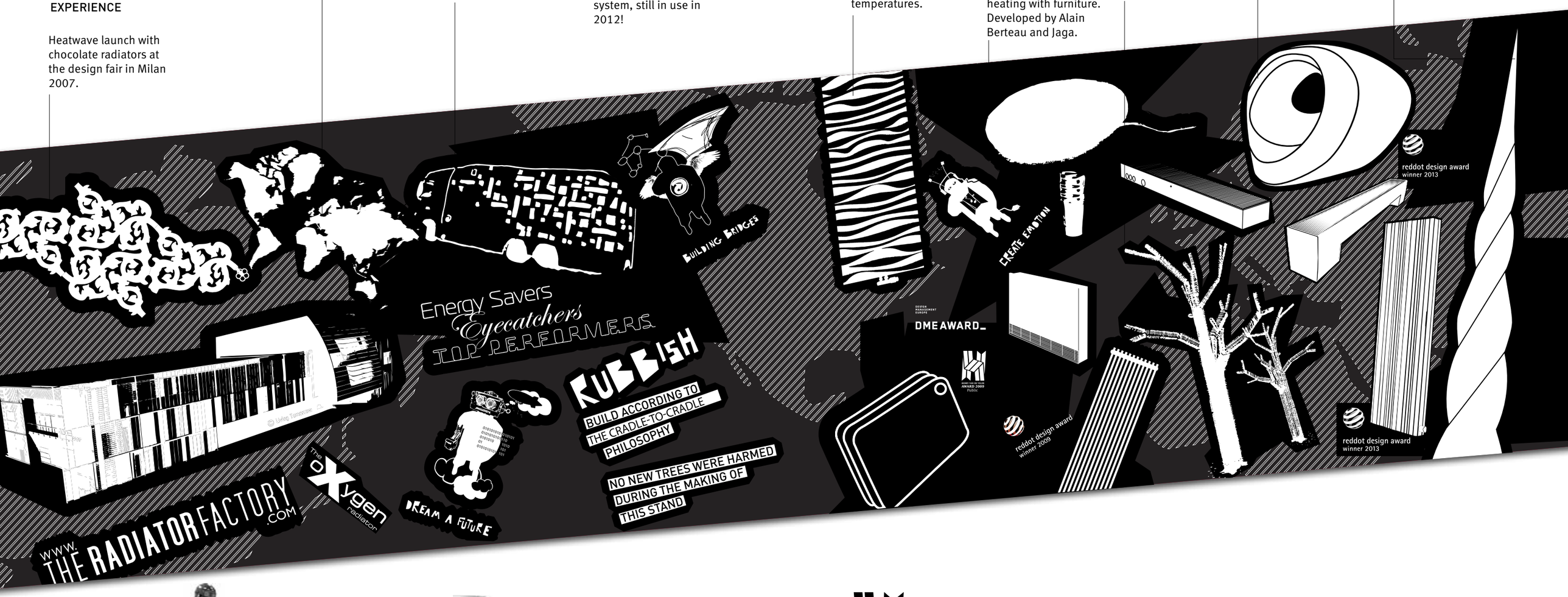
From rubbish to eco design. Heat-exchanger trees made from recovered aluminium symbolise the new life of this material.

FUTURE: MOBY

Modular Oxygen bubble. Climate and multimedia cabin. A comfort zone as protection against air and noise pollution.

FUTURE: BUENOS AIRES FORUM

Jaga chosen as climate partner for the Torcello Tower. A fully self-supporting tower.



2003: OF THE YEAR

Company of the Year finalist 2003.

2004: BELGIAN BUILDING COMMUNICATION

Batibouw, Brussels.

2004: HENRI VAN DE VELDE

Jaga elected best design company

2004: BENELUX EVENT AWARDS

Boost party elected best event

2009: DME AWARDS

Jaga wins the Design Management Europe Award.

2009: HENRY VAN DE VELDE PUBLIC AWARD

Henry Van De Velde Audience Award for the Play Low-H2O radiator.

2013: REDDOT DESIGN AWARD WINNER

Jaga wins the Red Dot Design Award for the Freedom.

2013: REDDOT DESIGN AWARD WINNER

Jaga wins the Red Dot Design Award for the Scape.

GUARANTEE

1. The guarantee is valid only if the equipment is properly and correctly used by its first owner and if installed in accordance with the instructions as stipulated in the instruction leaflet and the current practices.

2. The guarantee only applies to the equipment and the spare parts. Jaga has the choice between repair and replacement of the equipment or the spare parts. If there has been a change in the model, Jaga is authorised to replace the guaranteed equipment with equivalent equipment or equivalent spare parts. In those cases where the guarantee claim is accepted, during the first six months after the start of the guarantee, Jaga gives an extra guarantee on agreed replacement and transport costs.

3. The period of guarantee is mentioned in this certificate. A repair or replacement does not change the original period of guarantee.

4. No guarantee is granted on equipment or spare parts lacking information concerning type or series, or on equipment where this information has been removed or altered, or on equipment that has been repaired or modified by persons not authorised by Jaga.

5. The customer is responsible for the damage in cases where the damage is due to errors of placement, fittings, electrical connections, faulty or damaged electrical installations or appliances, erroneous voltage or hydraulic pressure and all other errors not related to the product delivered by Jaga. The guarantee is also revoked when unsuitable parts are applied. The guarantee for our heat exchangers is not valid if they are emptied at set times or during a certain period, or if they are heated by means of industrial water, steam or water saturated by great quantities of oxygen. The quality of the system water has to be in accordance with the VDI 2035-2 directives. The guarantee is also revoked when the heat exchangers are placed in aggressive atmospherical surroundings (ammonia, caustic substances). Lacquered radiators should not be used in the following areas: above a bath with a built-in shower unit, in a shower cubical or next to it, in a swimming pool (chlorine) or in a sauna

6. Jaga does not give a guarantee on faulty equipment due to incorrect handling and/or use of the equipment, the dropping of the equipment or without the necessary precautions, or for all equipment that is built in, in a way that it cannot be reached normally.

7. In all cases where the guarantee is granted but where the intervention occurs later than 6 months after the start of the guarantee, and in all other cases, labour and transportation costs are calculated according to scales set by Jaga. Customers can get information on those scales either from our sales administration personnel, or from the maintenance engineer.

8. All interventions not covered by the guarantee have to be paid in cash to the maintenance engineer.

9. The guarantee starts on the date of the invoice. If the invoice is not available, the serial number or the date of production prevails.

10. Only the courts of judicial district Hasselt (Belgium) are authorised to deal with disputes arising from this guarantee. It will apply Belgian law even when sales involved are subjects of EU member states as well as non-EU member countries.



DURATION OF THE WARRANTIES

Type equipment	Low-H_2O heat exchanger	Electric components	Other components
Strada / Linea Plus / Mini / Installation into a wall recess / Mini Canal	30 years	---	10 years
Strada DBE / Linea Plus DBE / Installation into a wall recess DBE / Mini freestanding DBE / Mini Canal DBE	30 years	2 years	10 years
DBE unit	---	2 years	---
Valves for Low-H_2O heat exchangers / Jaga Deco valves / Air vents	---	---	3 years
Clima Canal / Micro Canal / Clima Quatro Canal / Briza / Vertiga / Freedom Micro / Freedom Clima	5 years	2 years	10 years
Unit heater	5 years	2 years	5 years
Iguana / Accolade / Aristocrat / Nautica / Sani / Deco / Panel Plus / Tetra / Crossroads / Moon	---	---	10 years

JAGA MATERIALS

KNOCKONWOOD WOOD FINISHES

Category 1


700 Oak natural


720 Beech natural

760 Maple natural


740 Zebrano natural

Certification only for oak natural, beech natural, maple natural, oak bleached, beech bleached, oak wenge-colour

Category 2


701 Oak bleached


721 Beech bleached


710 Mahogany


702 Oak wenge-colour


780 Walnut

PLAY

Category 1


WHI Play White

Category 2


BLA Play Black


PIA Play Piano


BOY Play4Boy


GIR Play4Girl

GEO


601 White

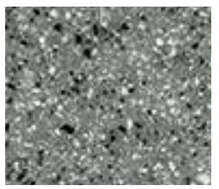

602 Light grey


604 Sand


603 Black


613 Matt black


605 Beige


608 Grey

GEO HORIZONTAL:
603, 604 and 613

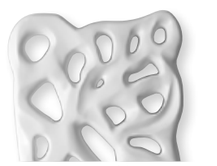
GEO VERTICAL:
601, 602, 603, 604, 605, 608 and 613

HEATWAVE


623 Matt black

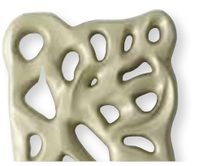

628 Stone grey

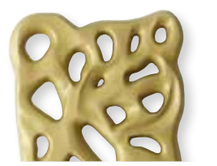
MOON


9016 White RAL 9016


9005 Black RAL 9005


3304 Brown RAL 330-4


140M White gold RAL 140-M


260M Yellow gold RAL 260-M

JAGA COLOUR CHART

Jaga colours are available in 3 alternative finishes:

CODE 1.. → SOFT TOUCH: fine structured, satin look

CODE 2.. → GLOSSY: smooth glossy finish

CODE 3.. → SATIN: smooth satin look

COLOUR CODE . 33

Complete code with 1, 2, 3

Code 2.. (glossy)
only available with Iguana, Tetra, Deco & towel radiators.
Grilles:
only available in glossy (code 2..) or special colours 006, 005, 026 or 028.

.33 Traffic white RAL 9016

.01 White RAL 9010 | **.05** Pergamon | **.23** Natural | **.12** Bahama | **.34** Warm brown RAL 070 60 10

.02 Off-white RAL 9001 | **.35** Traffic yellow RAL 1023 | **.36** Orange | **.11** Flaming Red RAL 3000 | **.26** Ruby red RAL 3003

.20 Aegean | **.37** Yellow green RAL 110 80 60 | **.38** Green | **.21** Calypso | **.13** English green RAL 6009

.39 Azure | **.40** Ocean blue RAL 230 70 30 | **.08** Sapphire blue RAL 5003 | **.41** Night blue RAL 5011

.42 Pink | **.43** Magenta RAL 010 50 50 | **.19** Violet RAL 4008 | **.44** Purple

.28 Classic white | **.03** Light grey RAL 7035 | **.09** Dark grey RAL 7011 | **.31** Anthracite grey RAL 7016 | **.04** Black RAL 9005

SPECIAL COLOURS

SMOOTH METALLICS

006 Aluminium RAL 9006 | **049** Anodic grey | **005** Gunmetal grey | **007** Anthracite

051 Yellow gold | **050** Old gold

FINE TEXTURE METALLICS

035 Silver grey | **036** Warm grey | **045** Concrete grey | **001** Sandblast grey | **018** Pearl black

037 Cream | **039** Grey brown | **038** Cappuccino | **042** Chocolate | **017** Pearl brown

FINE TEXTURE

053 Pure white | **052** Aluminium grey | **026** Platinum grey | **028** Granite grey | **046** Graphite black

040 Copper | **041** Cinnamon | **043** Khaki | **044** Navy blue

This colour chart is only indicative. It's impossible to obtain a 100% exact colou r reproduction in printing. A colour chart can be obtained on request.

NOTES

NOTES

- **Award winning Low-H2O technology**
- **Eco design up to 30 year guarantee**
- **Outstanding performance with low temperature systems**
- **Split deliveries**
- **Wide range of sizes with a choice of designs**
- **Design support and site assistance**
- **Award winning customer service**
- **BIM files available**

jaga

www.jaga.co.uk

Climate Designers -
Heating, Cooling
and Ventilation

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Jaga UK is the trading name of Jaga Heating Products (UK) Ltd.

About Jaga

Jaga manufactures a wide range of energy-efficient, heating, ventilation and cooling solutions.

Originally founded in Belgium in 1962 and established in the UK in 1991, Jaga UK is now one of the UK's leading distributors of award-winning, energy-saving, low-water content and designer products.

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