jaga

CLIMATE DESIGNERS

MAXI 2020 LST / MAXI 2020 LST DBE

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!

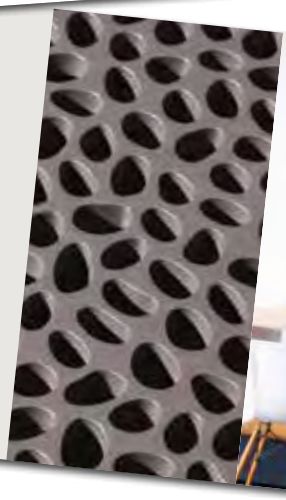
RESPECT NATURE

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

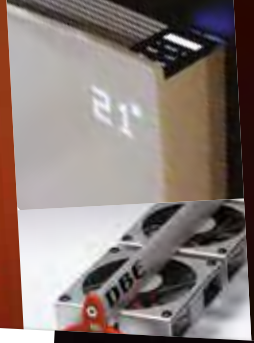
RESPECT NATURE

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.



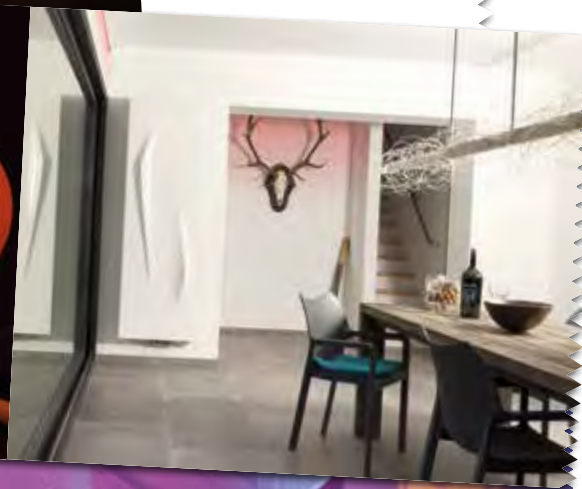
AWAKE THE ARTIST



DREAM A FUTURE

DREAM A FUTURE

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



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

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

BUILDING BRIDGES

MAXI 2020 LST

SAFETY, EFFICIENCY AND FUTURE PROOF IN ONE SOLUTION

Designed to deliver the most efficient heating outputs with the lowest energy consumption, the Jaga Maxi 2020 combines:

- The cost saving energy efficiency and reaction time of Jaga's Low-H_2O technology
- The assurances and safety attributes of Jaga's strongest and safest LST
- The ability to work with low temperature systems like heat pumps and in the future the option to provide dry cooling with low energy consumption
- Works with Jaga's ventilation solution 'Oxygen' to deliver combined ventilation and heating in one system

The new Jaga Maxi 2020 has been designed specifically to meet ambitious Nearly Zero Energy Building (NZEB) regulations - providing peace of mind about possible future regulatory requirements.

GUARANTEE 30 YEAR HEAT EXCHANGER

EN EURONORM 442

Award winning Low-H2O technology

Safe and strong design

Outstanding performance with low temperature systems (see page 10)

Quick to install, pre-assembled casing

No radiant heat loss to the wall

Split deliveries

Wide range of sizes with a choice of designs

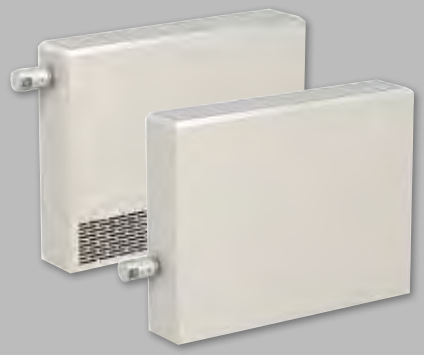
jaga

CLIMATE DESIGNERS

PRESENTING MAXI 2020 LST

THE JAGA LST PORTFOLIO

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

Product	Options	Recommended Application
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**
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
TEMPO LST 	- Wall mounted above skirting - Freestanding - Freestanding with extended foot	Care & Nursing Homes Sheltered Housing Educational Establishments

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

	Key Features	Sizes	Options	Notes
	- Super strong casing - Rounded corners - Split deliveries (if required) - Casing locks	**Wall and Floor models:** **- Heights 440 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**
	- 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)
	- 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 area are available

LOW-H_2O: LIGHTER, FASTER AND EFFICIENT

THE LOW WATER CONTENT RADIATOR

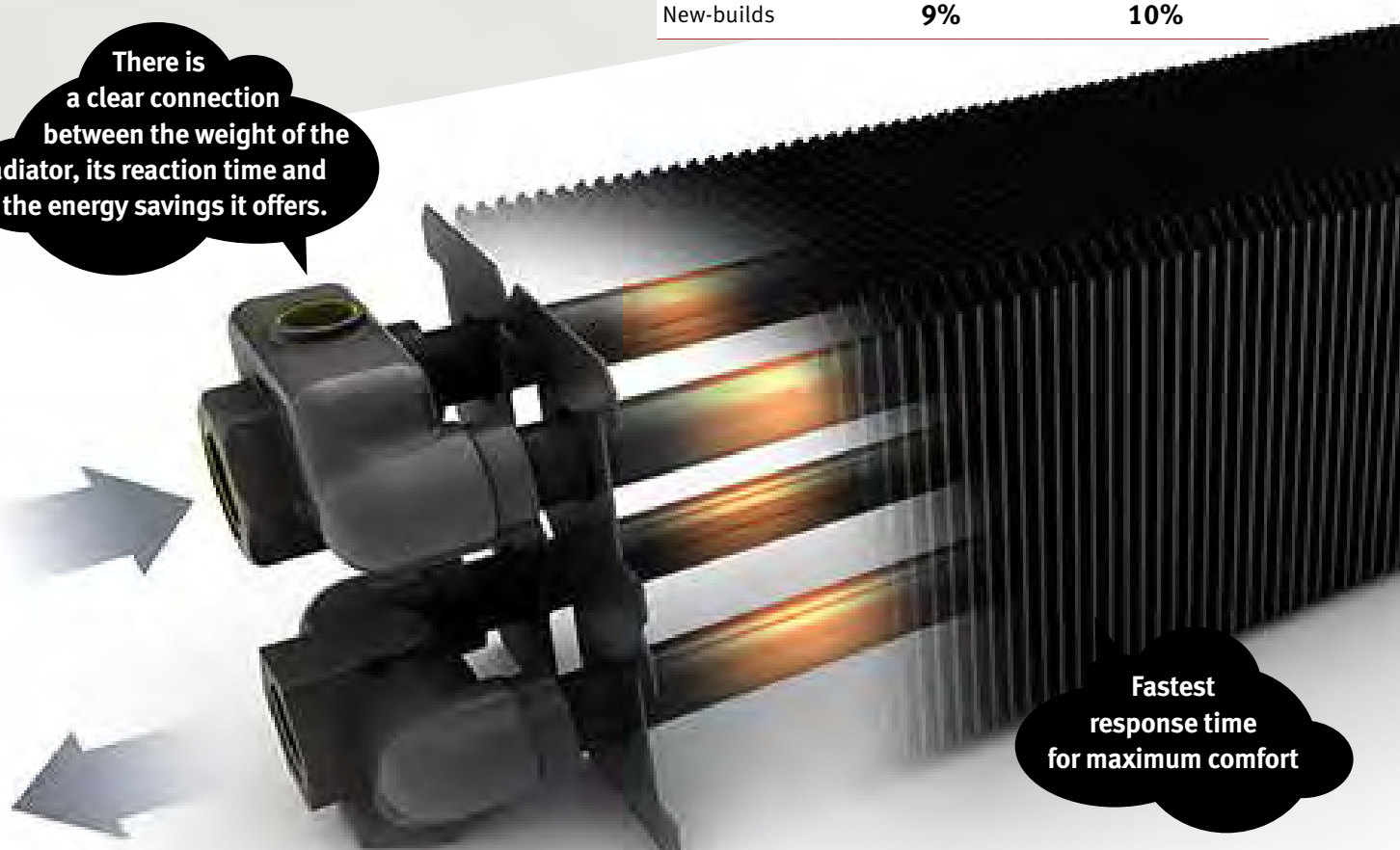
Jaga's Low-H_2O radiators contain 90% less water than that of a steel panel radiator, meaning they are faster to heat up and cool down. This means Low-H_2O radiators react faster to the occupants' needs as wells as changes to ambient temperature. This ensures better comfort with less energy consumption, 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%**

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

wtcb.be
Scientific and Technical Centre for the Construction Company
Brussels, 1981

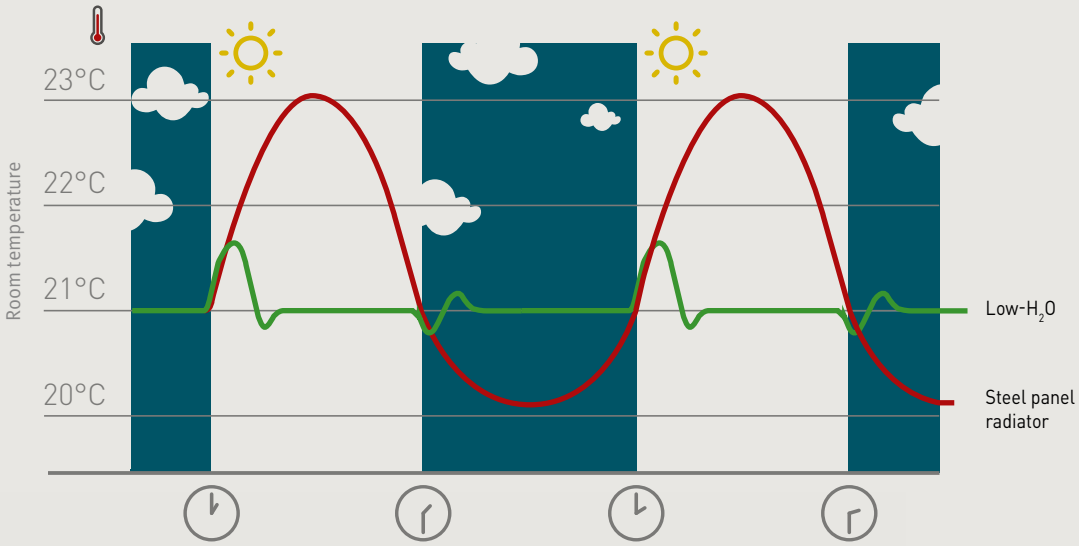
TU/e
Technical University
Eindhoven, 2001

kiwa
Partner for progress
Kiwa Certification
Apeldoorn, 2014

ENVIRONNEMENT RÉGLEMENTATION THERMIQUE 2012
Thermic Regulation
France, 2012

bre
Building Research Establishment- UK
Watford, 2003

COMPARISON OF RESPONSE TIME TO TEMPERATURE CHANGES



GUARANTEE 30 YEAR HEAT EXCHANGER

PROVEN TO BE THE WORLD'S MOST ECONOMICAL RADIATOR

Jaga's Low-H_2O technology has been thoroughly tested over the years by a variety of independent bodies, receiving the title of Most Economical Radiator following tests carried out by the Dutch testing body KIWA. 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

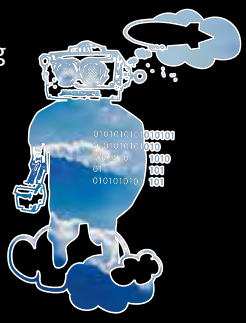
UP TO **3 TIMES** THE HEATING OUTPUT AT LOWER WATER TEMPERATURES

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.

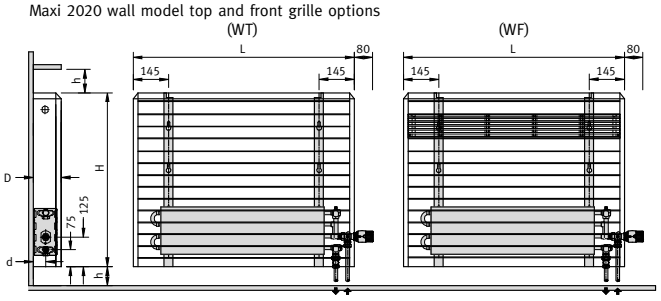
Low-H_2O radiators still deliver effective heating even with DBE in standby mode. DBE however is not a standalone fan or air conditioner and needs to be partnered with the Low-H_2O heat exchanger to be effective.



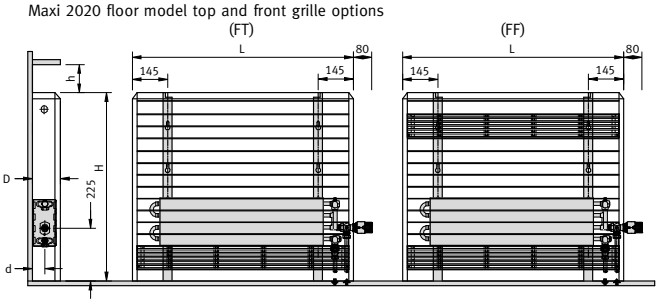
MAXI 2020 LST

DIMENSIONS *(in mm)*

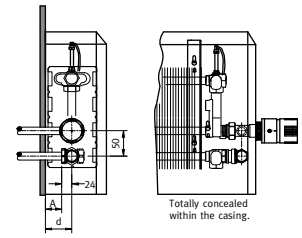
Maxi 2020 wall model top and front grille options



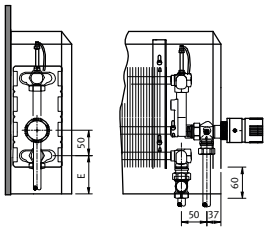
Maxi 2020 floor model top and front grille options



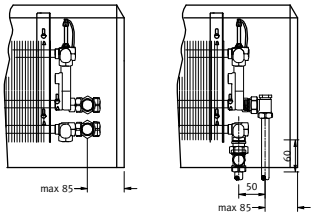
Example with Jaga valve: to the wall.



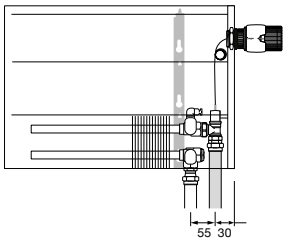
Example with Jaga valve: to the floor.



Example: no TRV



Example from floor with TRV head at high level



Depth mm	Connection to floor d (mm)	Connection to wall A (mm)	Clearance h (mm)
130	53	29	100
180	78	53	120
230	103	79	150

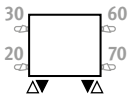
CONNECTION

When ordering a Jaga Maxi 2020 radiator you will be asked where the valve will be placed as valve cut outs are required on order, see examples below.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)

Ex. MAXW.059 063 180.xxx/WT/**60**



Please note when using the low level valve configuration in conjunction with FT and FF casings models clearance will be required between the casing side panel and the skirting (assuming skirting is to be fitted tight to casing) to allow for casing removal

ORDERING CODE

code	height	length	depth	colour	model
MAXW .	044	083	180 .	XXX	/WT

enter colour code

For example: using ordering code: MAXW 044 083 180 233 / WT will result in a Maxi 2020 wall model, with white casing, 440mm high, 830mm long and 180 deep.

COLOURS

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

Standard colours:

- traffic white RAL 9016: 233: smooth glossy finish
- sandblast grey 001: fine texture metallic lacquer

Other colours: see colour chart. High UV resistance to ASTM G53.

ORDERING CODE WITH DBE

code	height	length	depth	colour	model	Option
MAXW .	044	063	180 .	XXX	FT	/DBE

enter colour code

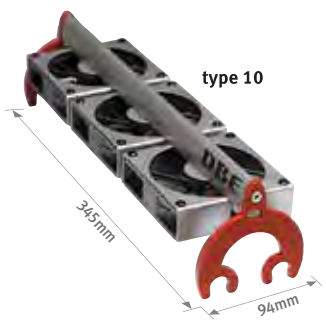
Products with DBE have outputs shown based on 'comfort' mode (see page 10).

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

OPTIONAL: DBE

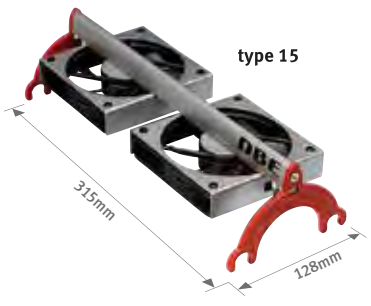
See page 10 for more information on DBE technology

DBE UNIT DBEU.10



To suit 130mm depth

DBE UNIT DBEU.15



To suit 180mm and 230mm depths

DELIVERY

Split deliveries option available

Elements and brackets are stock items

Casings made to order

Please contact our customer service team to discuss your requirements

HEIGHT 440 ▪ OUTPUT TABLES - WT ▪ TECHNICAL INFO

MAXW.044 LLL Dep.XXX/WT | **MAXW.044 LLL Dep.XXX/WT/DBE** | **MAXW.044 LLL Dep.XXX/WT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	478	223	**130**	778	467	335	**130**	14.5	0.8	1 DBEU.10	29.0
	180	718	333	**180**	1198	719	515	**180**	16.6	1.1	1 DBEU.15	27.0
	230	964	441	**230**	1444	866	621	**230**	18.5	1.5	1 DBEU.15	27.0
830	**130**	704	329	**130**	1004	602	432	**130**	19.1	1.0	1 DBEU.10	29.0
	180	1057	490	**180**	1537	922	661	**180**	21.9	1.5	1 DBEU.15	27.0
	230	1418	649	**230**	1898	1139	816	**230**	24.4	2.1	1 DBEU.15	27.0
1030	**130**	929	434	**130**	1529	918	658	**130**	23.8	1.3	2 DBEU.10	32.0
	180	1396	648	**180**	2356	1414	1013	**180**	27.2	1.9	2 DBEU.15	30.0
	230	1873	857	**230**	2833	1700	1218	**230**	30.2	2.6	2 DBEU.15	30.0
1230	**130**	1155	539	**130**	1755	1053	755	**130**	28.4	1.5	2 DBEU.10	32.0
	180	1735	805	**180**	2695	1617	1159	**180**	32.5	2.3	2 DBEU.15	30.0
	230	2328	1065	**230**	3288	1973	1414	**230**	36.1	3.1	2 DBEU.15	30.0
1430	**130**	1381	645	**130**	2281	1368	981	**130**	33.0	1.8	2 DBEU.10	32.0
	180	2074	962	**180**	3514	2108	1511	**180**	37.8	2.7	2 DBEU.15	30.0
	230	2782	1273	**230**	4222	2533	1816	**230**	42.0	3.7	2 DBEU.15	30.0
1630	**130**	1606	750	**130**	2506	1504	1078	**130**	37.6	2.1	4 DBEU.10	35.0
	180	2413	1119	**180**	3853	2312	1657	**180**	43.0	3.1	4 DBEU.15	33.0
	230	3237	1481	**230**	4677	2806	2011	**230**	47.8	4.2	4 DBEU.15	33.0
1830	**130**	1832	855	**130**	3032	1819	1304	**130**	42.2	2.3	4 DBEU.10	35.0
	180	2752	1276	**180**	4672	2803	2009	**180**	48.3	3.5	4 DBEU.15	33.0
	230	3692	1689	**230**	5612	3367	2413	**230**	53.7	4.7	4 DBEU.15	33.0
2030	**130**	2057	960	**130**	3257	1954	1401	**130**	46.8	2.6	4 DBEU.10	35.0
	180	3091	1433	**180**	5011	3006	2155	**180**	53.6	3.9	4 DBEU.15	33.0
	230	4146	1897	**230**	6066	3640	2609	**230**	59.6	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 590 ▪ OUTPUT TABLES - WT ▪ TECHNICAL INFO

MAXW.059 LLL Dep.XXX/WT | **MAXW.059 LLL Dep.XXX/WT/DBE** | **MAXW.059 LLL Dep.XXX/WT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	573	271	**130**	873	524	375	**130**	17.7	0.7	1 DBEU.10	29.0
	180	877	412	**180**	1357	814	583	**180**	20.6	1.1	1 DBEU.15	27.0
	230	1166	542	**230**	1646	988	708	**230**	22.7	1.5	1 DBEU.15	27.0
830	**130**	844	399	**130**	1144	686	492	**130**	23.3	1.0	1 DBEU.10	29.0
	180	1290	607	**180**	1770	1062	761	**180**	27.2	1.5	1 DBEU.15	27.0
	230	1716	798	**230**	2196	1318	944	**230**	29.8	2.1	1 DBEU.15	27.0
1030	**130**	1114	528	**130**	1714	1028	737	**130**	28.9	1.3	2 DBEU.10	32.0
	180	1704	801	**180**	2664	1598	1145	**180**	33.7	1.9	2 DBEU.15	30.0
	230	2267	1054	**230**	3227	1936	1387	**230**	37.0	2.6	2 DBEU.15	30.0
1230	**130**	1384	656	**130**	1984	1191	853	**130**	34.5	1.5	2 DBEU.10	32.0
	180	2117	995	**180**	3077	1846	1323	**180**	40.3	2.3	2 DBEU.15	30.0
	230	2817	1310	**230**	3777	2266	1624	**230**	44.2	3.1	2 DBEU.15	30.0
1430	**130**	1655	784	**130**	2555	1533	1099	**130**	40.1	1.8	2 DBEU.10	32.0
	180	2531	1190	**180**	3971	2382	1707	**180**	46.8	2.7	2 DBEU.15	30.0
	230	3367	1566	**230**	4807	2884	2067	**230**	51.4	3.7	2 DBEU.15	30.0
1630	**130**	1925	912	**130**	2825	1695	1215	**130**	45.7	2.1	4 DBEU.10	35.0
	180	2944	1384	**180**	4384	2630	1885	**180**	53.4	3.1	4 DBEU.15	33.0
	230	3917	1822	**230**	5357	3214	2304	**230**	58.6	4.2	4 DBEU.15	33.0
1830	**130**	2196	1040	**130**	3396	2037	1460	**130**	51.3	2.3	4 DBEU.10	35.0
	180	3358	1579	**180**	5278	3167	2269	**180**	59.9	3.5	4 DBEU.15	33.0
	230	4467	2078	**230**	6387	3832	2747	**230**	65.8	4.7	4 DBEU.15	33.0
2030	**130**	2466	1168	**130**	3666	2200	1576	**130**	57.0	2.6	4 DBEU.10	35.0
	180	3771	1773	**180**	5691	3415	2447	**180**	66.5	3.9	4 DBEU.15	33.0
	230	5017	2333	**230**	6937	4162	2983	**230**	73.0	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 740 ▪ OUTPUT TABLES - WT ▪ TECHNICAL INFO

MAXW.074 LLL Dep.XXX/WT | **MAXW.074 LLL Dep.XXX/WT/DBE** | **MAXW.074 LLL Dep.XXX/WT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	631	300	**130**	931	558	400	**130**	22.5	0.7	1 DBEU.10	29.0
	180	958	453	**180**	1438	863	618	**180**	25.0	1.1	1 DBEU.15	27.0
	230	1347	635	**230**	1827	1096	786	**230**	27.1	1.5	1 DBEU.15	27.0
830	**130**	928	441	**130**	1228	737	528	**130**	29.7	1.0	1 DBEU.10	29.0
	180	1410	667	**180**	1890	1134	813	**180**	32.9	1.5	1 DBEU.15	27.0
	230	1982	935	**230**	2462	1477	1059	**230**	35.7	2.1	1 DBEU.15	27.0
1030	**130**	1225	583	**130**	1825	1095	785	**130**	36.8	1.3	2 DBEU.10	32.0
	180	1862	880	**180**	2822	1693	1213	**180**	40.8	1.9	2 DBEU.15	30.0
	230	2617	1235	**230**	3577	2146	1538	**230**	44.3	2.6	2 DBEU.15	30.0
1230	**130**	1523	724	**130**	2123	1274	913	**130**	44.0	1.5	2 DBEU.10	32.0
	180	2314	1094	**180**	3274	1964	1408	**180**	48.7	2.3	2 DBEU.15	30.0
	230	3253	1534	**230**	4213	2528	1811	**230**	52.8	3.1	2 DBEU.15	30.0
1430	**130**	1820	866	**130**	2720	1632	1170	**130**	51.1	1.8	2 DBEU.10	32.0
	180	2766	1308	**180**	4206	2523	1808	**180**	56.6	2.7	2 DBEU.15	30.0
	230	3888	1834	**230**	5328	3197	2291	**230**	61.4	3.7	2 DBEU.15	30.0
1630	**130**	2118	1007	**130**	3018	1811	1298	**130**	58.3	2.1	4 DBEU.10	35.0
	180	3218	1521	**180**	4658	2795	2003	**180**	64.6	3.1	4 DBEU.15	33.0
	230	4523	2134	**230**	5963	3578	2564	**230**	70.0	4.2	4 DBEU.15	33.0
1830	**130**	2415	1149	**130**	3615	2169	1554	**130**	65.4	2.3	4 DBEU.10	35.0
	180	3669	1735	**180**	5589	3354	2403	**180**	72.5	3.5	4 DBEU.15	33.0
	230	5158	2433	**230**	7078	4247	3044	**230**	78.6	4.7	4 DBEU.15	33.0
2030	**130**	2713	1290	**130**	3913	2348	1682	**130**	72.6	2.6	4 DBEU.10	35.0
	180	4121	1949	**180**	6041	3625	2598	**180**	80.4	3.9	4 DBEU.15	33.0
	230	5794	2733	**230**	7714	4628	3317	**230**	87.2	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 590 ▪ OUTPUT TABLES - FF ▪ TECHNICAL INFO

MAXW.059 LLL Dep.XXX/FF | **MAXW.059 LLL Dep.XXX/FF/DBE** | **MAXW.059 LLL Dep.XXX/FF**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	130	378	174	130	678	407	292	130	16.3	0.7	1 DBEU.10	29.0
	180	521	240	180	1001	601	430	180	19.1	1.1	1 DBEU.15	27.0
	230	660	302	230	1140	684	490	230	21.6	1.5	1 DBEU.15	27.0
830	130	557	257	130	857	514	368	130	21.4	1.0	1 DBEU.10	29.0
	180	767	352	180	1247	748	536	180	25.1	1.5	1 DBEU.15	27.0
	230	971	445	230	1451	871	624	230	28.4	2.1	1 DBEU.15	27.0
1030	130	735	339	130	1335	801	574	130	26.6	1.3	2 DBEU.10	32.0
	180	1013	465	180	1973	1184	848	180	31.2	1.9	2 DBEU.15	30.0
	230	1282	587	230	2242	1345	964	230	35.3	2.6	2 DBEU.15	30.0
1230	130	913	421	130	1513	908	651	130	31.8	1.5	2 DBEU.10	32.0
	180	1259	578	180	2219	1331	954	180	37.2	2.3	2 DBEU.15	30.0
	230	1593	730	230	2553	1532	1098	230	42.2	3.1	2 DBEU.15	30.0
1430	130	1092	504	130	1992	1195	856	130	36.9	1.8	2 DBEU.10	32.0
	180	1504	691	180	2944	1767	1266	180	43.3	2.7	2 DBEU.15	30.0
	230	1904	873	230	3344	2007	1438	230	49.0	3.7	2 DBEU.15	30.0
1630	130	1270	586	130	2170	1302	933	130	42.1	2.1	4 DBEU.10	35.0
	180	1750	804	180	3190	1914	1372	180	49.3	3.1	4 DBEU.15	33.0
	230	2216	1015	230	3656	2193	1572	230	55.9	4.2	4 DBEU.15	33.0
1830	130	1448	668	130	2648	1589	1139	130	47.3	2.3	4 DBEU.10	35.0
	180	1996	917	180	3916	2350	1684	180	55.4	3.5	4 DBEU.15	33.0
	230	2527	1158	230	4447	2668	1912	230	62.7	4.7	4 DBEU.15	33.0
2030	130	1627	751	130	2827	1696	1216	130	52.4	2.6	4 DBEU.10	35.0
	180	2242	1030	180	4162	2497	1790	180	61.4	3.9	4 DBEU.15	33.0
	230	2838	1300	230	4758	2855	2046	230	69.6	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 740 - OUTPUT TABLES - FF - TECHNICAL INFO

MAXW.074 LLL Dep.XXX/FF | **MAXW.074 LLL Dep.XXX/FF/DBE** | **MAXW.074 LLL Dep.XXX/FF**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	476	222	**130**	776	466	334	**130**	20.4	0.7	1 DBEU.10	29.0
	180	660	307	**180**	1140	684	490	**180**	23.4	1.1	1 DBEU.15	27.0
	230	831	385	**230**	1311	786	564	**230**	26.1	1.5	1 DBEU.15	27.0
830	**130**	701	327	**130**	1001	601	430	**130**	26.9	1.0	1 DBEU.10	29.0
	180	971	451	**180**	1451	871	624	**180**	30.9	1.5	1 DBEU.15	27.0
	230	1222	566	**230**	1702	1021	732	**230**	34.3	2.1	1 DBEU.15	27.0
1030	**130**	926	431	**130**	1526	915	656	**130**	33.4	1.3	2 DBEU.10	32.0
	180	1282	596	**180**	2242	1345	964	**180**	38.3	1.9	2 DBEU.15	30.0
	230	1614	748	**230**	2574	1545	1107	**230**	42.6	2.6	2 DBEU.15	30.0
1230	**130**	1150	536	**130**	1750	1050	753	**130**	39.9	1.5	2 DBEU.10	32.0
	180	1594	741	**180**	2554	1532	1098	**180**	45.8	2.3	2 DBEU.15	30.0
	230	2006	929	**230**	2966	1780	1275	**230**	50.9	3.1	2 DBEU.15	30.0
1430	**130**	1375	641	**130**	2275	1365	978	**130**	46.4	1.8	2 DBEU.10	32.0
	180	1905	885	**180**	3345	2007	1438	**180**	53.2	2.7	2 DBEU.15	30.0
	230	2398	1111	**230**	3838	2303	1650	**230**	59.2	3.7	2 DBEU.15	30.0
1630	**130**	1600	745	**130**	2500	1500	1075	**130**	52.9	2.1	4 DBEU.10	35.0
	180	2216	1030	**180**	3656	2194	1572	**180**	60.6	3.1	4 DBEU.15	33.0
	230	2790	1292	**230**	4230	2538	1819	**230**	67.5	4.2	4 DBEU.15	33.0
1830	**130**	1824	850	**130**	3024	1815	1300	**130**	59.3	2.3	4 DBEU.10	35.0
	180	2527	1174	**180**	4447	2668	1912	**180**	68.1	3.5	4 DBEU.15	33.0
	230	3182	1474	**230**	5102	3061	2194	**230**	75.7	4.7	4 DBEU.15	33.0
2030	**130**	2049	955	**130**	3249	1949	1397	**130**	65.8	2.6	4 DBEU.10	35.0
	180	2838	1319	**180**	4758	2855	2046	**180**	75.5	3.9	4 DBEU.15	33.0
	230	3573	1655	**230**	5493	3296	2362	**230**	84.0	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 440 ▪ OUTPUT TABLES - FT ▪ TECHNICAL INFO

MAXW.044 LLL Dep.XXX/FT | **MAXW.044 LLL Dep.XXX/FT/DBE** | **MAXW.044 LLL Dep.XXX/FT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	391	180	**130**	691	414	297	**130**	13.0	0.8	1 DBEU.10	29.0
	180	560	256	**180**	1040	624	447	**180**	15.1	1.1	1 DBEU.15	27.0
	230	722	328	**230**	1202	721	517	**230**	16.9	1.5	1 DBEU.15	27.0
830	**130**	575	264	**130**	875	525	376	**130**	17.2	1.0	1 DBEU.10	29.0
	180	824	377	**180**	1304	782	561	**180**	19.9	1.5	1 DBEU.15	27.0
	230	1063	483	**230**	1543	926	663	**230**	22.3	2.1	1 DBEU.15	27.0
1030	**130**	759	349	**130**	1359	815	584	**130**	21.3	1.3	2 DBEU.10	32.0
	180	1088	497	**180**	2048	1229	881	**180**	24.7	1.9	2 DBEU.15	30.0
	230	1404	638	**230**	2364	1418	1016	**230**	27.7	2.6	2 DBEU.15	30.0
1230	**130**	943	434	**130**	1543	926	664	**130**	25.4	1.5	2 DBEU.10	32.0
	180	1352	618	**180**	2312	1387	994	**180**	29.5	2.3	2 DBEU.15	30.0
	230	1744	793	**230**	2704	1623	1163	**230**	33.1	3.1	2 DBEU.15	30.0
1430	**130**	1127	519	**130**	2027	1216	872	**130**	29.6	1.8	2 DBEU.10	32.0
	180	1616	739	**180**	3056	1833	1314	**180**	34.3	2.7	2 DBEU.15	30.0
	230	2085	948	**230**	3525	2115	1516	**230**	38.5	3.7	2 DBEU.15	30.0
1630	**130**	1312	603	**130**	2212	1327	951	**130**	33.7	2.1	4 DBEU.10	35.0
	180	1880	859	**180**	3320	1992	1428	**180**	39.1	3.1	4 DBEU.15	33.0
	230	2426	1102	**230**	3866	2319	1662	**230**	43.8	4.2	4 DBEU.15	33.0
1830	**130**	1496	688	**130**	2696	1617	1159	**130**	37.9	2.3	4 DBEU.10	35.0
	180	2144	980	**180**	4064	2438	1747	**180**	43.9	3.5	4 DBEU.15	33.0
	230	2766	1257	**230**	4686	2812	2015	**230**	49.2	4.7	4 DBEU.15	33.0
2030	**130**	1680	773	**130**	2880	1728	1238	**130**	42.0	2.6	4 DBEU.10	35.0
	180	2408	1101	**180**	4328	2597	1861	**180**	48.7	3.9	4 DBEU.15	33.0
	230	3107	1412	**230**	5027	3016	2162	**230**	54.6	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 590 - OUTPUT TABLES - FT - TECHNICAL INFO

MAXW.059 LLL Dep.XXX/FT | **MAXW.059 LLL Dep.XXX/FT/DBE** | **MAXW.059 LLL Dep.XXX/FT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	498	230	**130**	798	479	343	**130**	16.9	0.7	1 DBEU.10	29.0
	180	732	337	**180**	1212	727	521	**180**	19.1	1.1	1 DBEU.15	27.0
	230	948	434	**230**	1428	857	614	**230**	21.1	1.5	1 DBEU.15	27.0
830	**130**	732	338	**130**	1032	619	444	**130**	22.2	1.0	1 DBEU.10	29.0
	180	1078	495	**180**	1558	935	670	**180**	25.2	1.5	1 DBEU.15	27.0
	230	1395	639	**230**	1875	1125	806	**230**	27.8	2.1	1 DBEU.15	27.0
1030	**130**	967	447	**130**	1567	940	674	**130**	27.6	1.3	2 DBEU.10	32.0
	180	1423	654	**180**	2383	1430	1025	**180**	31.3	1.9	2 DBEU.15	30.0
	230	1842	843	**230**	2802	1681	1205	**230**	34.5	2.6	2 DBEU.15	30.0
1230	**130**	1202	555	**130**	1802	1081	775	**130**	32.9	1.5	2 DBEU.10	32.0
	180	1768	813	**180**	2728	1637	1173	**180**	37.3	2.3	2 DBEU.15	30.0
	230	2289	1048	**230**	3249	1949	1397	**230**	41.2	3.1	2 DBEU.15	30.0
1430	**130**	1437	664	**130**	2337	1402	1005	**130**	38.3	1.8	2 DBEU.10	32.0
	180	2114	972	**180**	3554	2132	1528	**180**	43.4	2.7	2 DBEU.15	30.0
	230	2736	1253	**230**	4176	2506	1796	**230**	47.9	3.7	2 DBEU.15	30.0
1630	**130**	1671	772	**130**	2571	1543	1106	**130**	43.7	2.1	4 DBEU.10	35.0
	180	2459	1131	**180**	3899	2339	1677	**180**	49.5	3.1	4 DBEU.15	33.0
	230	3183	1458	**230**	4623	2774	1988	**230**	54.6	4.2	4 DBEU.15	33.0
1830	**130**	1906	881	**130**	3106	1864	1336	**130**	49.0	2.3	4 DBEU.10	35.0
	180	2804	1289	**180**	4724	2835	2031	**180**	55.5	3.5	4 DBEU.15	33.0
	230	3630	1662	**230**	5550	3330	2387	**230**	61.3	4.7	4 DBEU.15	33.0
2030	**130**	2141	989	**130**	3341	2005	1437	**130**	54.4	2.6	4 DBEU.10	35.0
	180	3150	1448	**180**	5070	3042	2180	**180**	61.6	3.9	4 DBEU.15	33.0
	230	4078	1867	**230**	5998	3599	2579	**230**	68.0	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 740 ▪ OUTPUT TABLES - FT ▪ TECHNICAL INFO

MAXW.074 LLL Dep.XXX/FT | **MAXW.074 LLL Dep.XXX/FT/DBE** | **MAXW.074 LLL Dep.XXX/FT**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	594	278	**130**	894	536	384	**130**	21.0	0.7	1 DBEU.10	29.0
	180	885	414	**180**	1365	819	587	**180**	23.4	1.1	1 DBEU.15	27.0
	230	1080	501	**230**	1560	936	671	**230**	25.6	1.5	1 DBEU.15	27.0
830	**130**	874	409	**130**	1174	704	505	**130**	27.7	1.0	1 DBEU.10	29.0
	180	1302	610	**180**	1782	1069	766	**180**	30.9	1.5	1 DBEU.15	27.0
	230	1590	737	**230**	2070	1242	890	**230**	33.7	2.1	1 DBEU.15	27.0
1030	**130**	1154	541	**130**	1754	1052	754	**130**	34.4	1.3	2 DBEU.10	32.0
	180	1720	806	**180**	2680	1608	1152	**180**	38.3	1.9	2 DBEU.15	30.0
	230	2100	974	**230**	3060	1836	1316	**230**	41.8	2.6	2 DBEU.15	30.0
1230	**130**	1434	672	**130**	2034	1221	875	**130**	41.1	1.5	2 DBEU.10	32.0
	180	2137	1001	**180**	3097	1858	1332	**180**	45.8	2.3	2 DBEU.15	30.0
	230	2609	1210	**230**	3569	2142	1535	**230**	50.0	3.1	2 DBEU.15	30.0
1430	**130**	1714	803	**130**	2614	1569	1124	**130**	47.7	1.8	2 DBEU.10	32.0
	180	2555	1197	**180**	3995	2397	1718	**180**	53.2	2.7	2 DBEU.15	30.0
	230	3119	1446	**230**	4559	2735	1960	**230**	58.1	3.7	2 DBEU.15	30.0
1630	**130**	1994	934	**130**	2894	1737	1245	**130**	54.4	2.1	4 DBEU.10	35.0
	180	2972	1392	**180**	4412	2647	1897	**180**	60.6	3.1	4 DBEU.15	33.0
	230	3628	1683	**230**	5068	3041	2179	**230**	66.2	4.2	4 DBEU.15	33.0
1830	**130**	2275	1066	**130**	3475	2085	1615	**130**	61.1	2.3	4 DBEU.10	35.0
	180	3390	1588	**180**	5310	3186	2463	**180**	68.1	3.5	4 DBEU.15	33.0
	230	4138	1919	**230**	6058	3635	2824	**230**	74.3	4.7	4 DBEU.15	33.0
2030	**130**	2555	1197	**130**	3755	2253	1864	**130**	67.8	2.6	4 DBEU.10	35.0
	180	3807	1783	**180**	5727	3436	2849	**180**	75.5	3.9	4 DBEU.15	33.0
	230	4648	2155	**230**	6568	3941	3250	**230**	82.5	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 440 - OUTPUT TABLES - WF - TECHNICAL INFO

MAXW.044 LLL Dep.XXX/WF | **MAXW.044 LLL Dep.XXX/WF/DBE** | **MAXW.044 LLL Dep.XXX/WF**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	334	159	**130**	634	380	273	**130**	14.0	0.8	1 DBEU.10	29.0
	180	497	228	**180**	977	586	420	**180**	16.6	1.1	1 DBEU.15	27.0
	230	620	284	**230**	1100	660	473	**230**	19.0	1.5	1 DBEU.15	27.0
830	**130**	491	234	**130**	791	475	340	**130**	18.4	1.0	1 DBEU.10	29.0
	180	732	336	**180**	1212	727	521	**180**	21.9	1.5	1 DBEU.15	27.0
	230	913	418	**230**	1393	836	599	**230**	25.0	2.1	1 DBEU.15	27.0
1030	**130**	649	309	**130**	1249	749	537	**130**	22.9	1.3	2 DBEU.10	32.0
	180	967	444	**180**	1927	1156	828	**180**	27.2	1.9	2 DBEU.15	30.0
	230	1206	553	**230**	2166	1299	931	**230**	31.0	2.6	2 DBEU.15	30.0
1230	**130**	807	384	**130**	1407	844	605	**130**	27.3	1.5	2 DBEU.10	32.0
	180	1201	551	**180**	2161	1297	929	**180**	32.5	2.3	2 DBEU.15	30.0
	230	1498	687	**230**	2458	1475	1057	**230**	37.0	3.1	2 DBEU.15	30.0
1430	**130**	964	459	**130**	1864	1118	802	**130**	31.8	1.8	2 DBEU.10	32.0
	180	1436	659	**180**	2876	1725	1237	**180**	37.8	2.7	2 DBEU.15	30.0
	230	1791	821	**230**	3231	1939	1389	**230**	43.0	3.7	2 DBEU.15	30.0
1630	**130**	1122	534	**130**	2022	1213	869	**130**	36.2	2.1	4 DBEU.10	35.0
	180	1670	767	**180**	3110	1866	1337	**180**	43.0	3.1	4 DBEU.15	33.0
	230	2084	955	**230**	3524	2114	1515	**230**	49.1	4.2	4 DBEU.15	33.0
1830	**130**	1279	609	**130**	2479	1487	1066	**130**	40.6	2.3	4 DBEU.10	35.0
	180	1905	874	**180**	3825	2295	1645	**180**	48.3	3.5	4 DBEU.15	33.0
	230	2376	1089	**230**	4296	2578	1847	**230**	55.1	4.7	4 DBEU.15	33.0
2030	**130**	1437	684	**130**	2637	1582	1134	**130**	45.1	2.6	4 DBEU.10	35.0
	180	2140	982	**180**	4060	2436	1746	**180**	53.6	3.9	4 DBEU.15	33.0
	230	2669	1223	**230**	4589	2753	1973	**230**	61.1	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 590 ▪ OUTPUT TABLES - WF ▪ TECHNICAL INFO

MAXW.059 LLL Dep.XXX/WF | **MAXW.059 LLL Dep.XXX/WF/DBE** | **MAXW.059 LLL Dep.XXX/WF**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	458	215	**130**	758	455	326	**130**	17.7	0.7	1 DBEU.10	29.0
	180	664	308	**180**	1144	687	492	**180**	20.5	1.1	1 DBEU.15	27.0
	230	868	402	**230**	1348	809	580	**230**	23.1	1.5	1 DBEU.15	27.0
830	**130**	674	316	**130**	974	584	419	**130**	23.3	1.0	1 DBEU.10	29.0
	180	978	453	**180**	1458	875	627	**180**	27.0	1.5	1 DBEU.15	27.0
	230	1277	592	**230**	1757	1054	756	**230**	30.5	2.1	1 DBEU.15	27.0
1030	**130**	890	417	**130**	1490	894	641	**130**	29.0	1.3	2 DBEU.10	32.0
	180	1291	598	**180**	2251	1351	968	**180**	33.5	1.9	2 DBEU.15	30.0
	230	1686	782	**230**	2646	1588	1138	**230**	37.8	2.6	2 DBEU.15	30.0
1230	**130**	1105	518	**130**	1705	1023	733	**130**	34.6	1.5	2 DBEU.10	32.0
	180	1605	743	**180**	2565	1539	1103	**180**	40.1	2.3	2 DBEU.15	30.0
	230	2096	972	**230**	3056	1833	1314	**230**	45.2	3.1	2 DBEU.15	30.0
1430	**130**	1321	619	**130**	2221	1333	955	**130**	40.2	1.8	2 DBEU.10	32.0
	180	1918	888	**180**	3358	2015	1444	**180**	46.6	2.7	2 DBEU.15	30.0
	230	2505	1162	**230**	3945	2367	1696	**230**	52.5	3.7	2 DBEU.15	30.0
1630	**130**	1537	720	**130**	2437	1462	1048	**130**	45.8	2.1	4 DBEU.10	35.0
	180	2231	1033	**180**	3671	2203	1579	**180**	53.1	3.1	4 DBEU.15	33.0
	230	2914	1352	**230**	4354	2613	1872	**230**	59.9	4.2	4 DBEU.15	33.0
1830	**130**	1753	822	**130**	2953	1772	1270	**130**	51.4	2.3	4 DBEU.10	35.0
	180	2545	1178	**180**	4465	2679	1920	**180**	59.6	3.5	4 DBEU.15	33.0
	230	3324	1542	**230**	5244	3146	2255	**230**	67.2	4.7	4 DBEU.15	33.0
2030	**130**	1969	923	**130**	3169	1901	1363	**130**	57.1	2.6	4 DBEU.10	35.0
	180	2858	1323	**180**	4778	2867	2055	**180**	66.1	3.9	4 DBEU.15	33.0
	230	3733	1731	**230**	5653	3392	2431	**230**	74.5	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

HEIGHT 740 ▪ OUTPUT TABLES - WF ▪ TECHNICAL INFO

MAXW.074 LLL Dep.XXX/WF | **MAXW.074 LLL Dep.XXX/WF/DBE** | **MAXW.074 LLL Dep.XXX/WF**

	STANDARD			WITH DBE				STANDARD			WITH DBE	
Length mm	Depth mm	Watts 75/65	Watts 55/45	Depth mm	Watts 75/65	Watts 55/45	Watts 45/38	Depth mm	Weight	Water Content	Fan (Number)	Noise Level dB(A)
630	**130**	569	265	**130**	869	522	374	**130**	21.9	0.7	1 DBEU.10	29.0
	180	798	373	**180**	1278	767	550	**180**	24.9	1.1	1 DBEU.15	27.0
	230	992	461	**230**	1472	883	633	**230**	27.6	1.5	1 DBEU.15	27.0
830	**130**	838	389	**130**	1138	683	489	**130**	28.9	1.0	1 DBEU.10	29.0
	180	1175	549	**180**	1655	993	712	**180**	32.8	1.5	1 DBEU.15	27.0
	230	1461	678	**230**	1941	1164	834	**230**	36.3	2.1	1 DBEU.15	27.0
1030	**130**	1107	514	**130**	1707	1024	734	**130**	35.8	1.3	2 DBEU.10	32.0
	180	1552	725	**180**	2512	1507	1080	**180**	40.7	1.9	2 DBEU.15	30.0
	230	1929	895	**230**	2889	1733	1242	**230**	45.0	2.6	2 DBEU.15	30.0
1230	**130**	1375	639	**130**	1975	1185	849	**130**	42.8	1.5	2 DBEU.10	32.0
	180	1928	901	**180**	2888	1733	1242	**180**	48.6	2.3	2 DBEU.15	30.0
	230	2397	1113	**230**	3357	2014	1443	**230**	53.8	3.1	2 DBEU.15	30.0
1430	**130**	1644	764	**130**	2544	1526	1094	**130**	49.8	1.8	2 DBEU.10	32.0
	180	2305	1077	**180**	3745	2247	1610	**180**	56.5	2.7	2 DBEU.15	30.0
	230	2865	1330	**230**	4305	2583	1851	**230**	62.5	3.7	2 DBEU.15	30.0
1630	**130**	1913	889	**130**	2813	1688	1209	**130**	56.7	2.1	4 DBEU.10	35.0
	180	2681	1253	**180**	4121	2473	1772	**180**	64.4	3.1	4 DBEU.15	33.0
	230	3333	1547	**230**	4773	2864	2052	**230**	71.3	4.2	4 DBEU.15	33.0
1830	**130**	2181	1014	**130**	3381	2029	1454	**130**	63.7	2.3	4 DBEU.10	35.0
	180	3058	1429	**180**	4978	2987	2141	**180**	72.3	3.5	4 DBEU.15	33.0
	230	3801	1765	**230**	5721	3433	2460	**230**	80.0	4.7	4 DBEU.15	33.0
2030	**130**	2450	1139	**130**	3650	2190	1569	**130**	70.7	2.6	4 DBEU.10	35.0
	180	3435	1605	**180**	5355	3213	2302	**180**	80.2	3.9	4 DBEU.15	33.0
	230	4270	1982	**230**	6190	3714	2662	**230**	88.8	5.2	4 DBEU.15	33.0

EN442 output at 20°C room temperature

DURATION OF THE GUARANTEE

Type equipment	Low-H_2O heat exchanger	Electric spare parts	Other spare parts
Maxi 2020	30 years	---	10 years
Maxi 2020 DBE	30 years	2 years	10 years
DBE unit	---	2 years	---
Valves for Low-H_2O heat exchangers	---	---	3 years

Full Guarantee and Conditions of Sales available on request.

DELIVERY

Our radiators are delivered in a strong cardboard packaging, which can also be used as protection on site after installation.

Standard delivery:

- Low-H_2O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2"
- pre assembled casing

Delivery with (optional) DBE:

- number of DBE unit(s) varies according to the length
- operation, control and power supply 12VDC
- mounting instructions
- fan units packed with the radiator

MAXI 2020 LST CONTINUOUS

CREATE EMOTION

CONTINUOUS CASING **FROM WALL-TO-WALL** BASED ON THE STRONG, ROBUST MAXI 2020 LST CASING.

When a radiator is installed it protrudes from the wall and may result in a potential physical hazard for any vulnerable individuals. Limiting these hazards by using Jaga Maxi 2020 LST Continuous can help reduce this potential harm while giving an aesthetically pleasing finish.

With welded infills connected to the Maxi 2020 LST side panels, the continuous sections are as strong as the actual casing. If the casing is locked the joining strip is secure and cannot be removed, making the Maxi 2020 LST Continuous a safe,strong and robust option.

JAGA MAXI 2020 LST CONTINUOUS OPTIONS & FEATURES:

- Can run wall-to-wall
- Dynamic Boost effect (DBE)
- Anti-Bacterial paint finish
- Can be used with Jaga's ventilation solution 'Oxygen'
- Anti-ligature grilles
- Dummy casings for aesthetic and continuous appearance
- Split deliveries available

OXYGEN

BUILDING BRIDGES

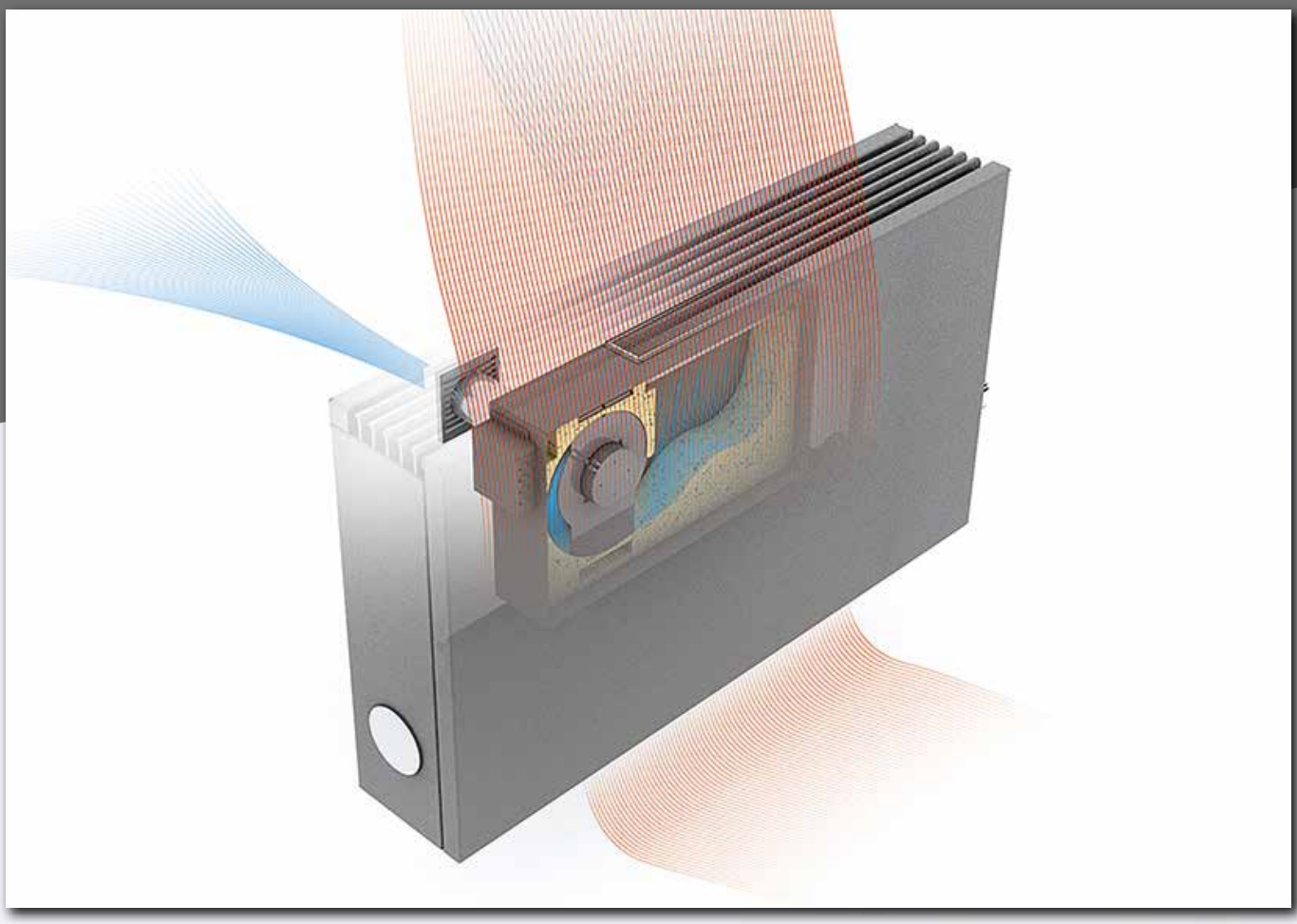
DEMAND CONTROLLED HEATING & MECHANICAL VENTILATION

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

MAXI 2020 ▪ CORRECTION FACTORS

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												

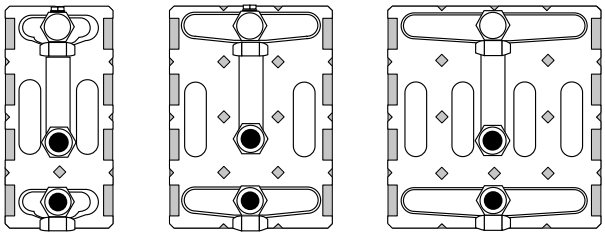
The indicated outputs with ΔT 50 are the exact outputs, measured in accordance with EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions.
These correction factors are to be used for guidance only.

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 are the exact outputs, measured in accordance with EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions.
These correction factors are to be used for guidance only.

MAXI 2020 ▪ HEAT EXCHANGERS OVERVIEW & PRESSURE DROP



130mm casing depth | *180mm casing depth* | *230mm casing depth*

TO CALCULATE FLOW RATE:

$$\frac{\textbf{Corrected output [Watts] x 3600}}{\textbf{Specific heat capacity [J/kg.°C] x [flow temp – return temp]}}$$

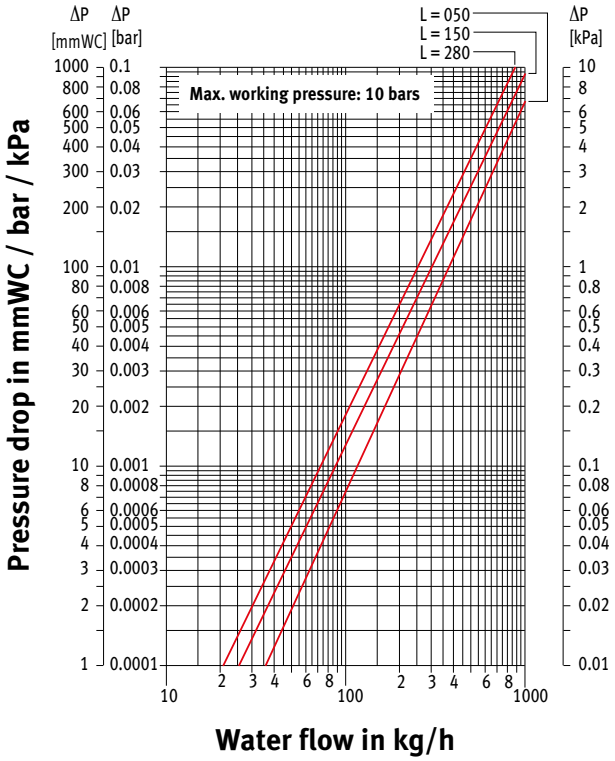
For central heating hot water systems
the specific heat capacity of 4187 can be used:

e.g. for a radiator with a 1000 Watt output with
a flow temp of 70°C and a return temp of 50°C.

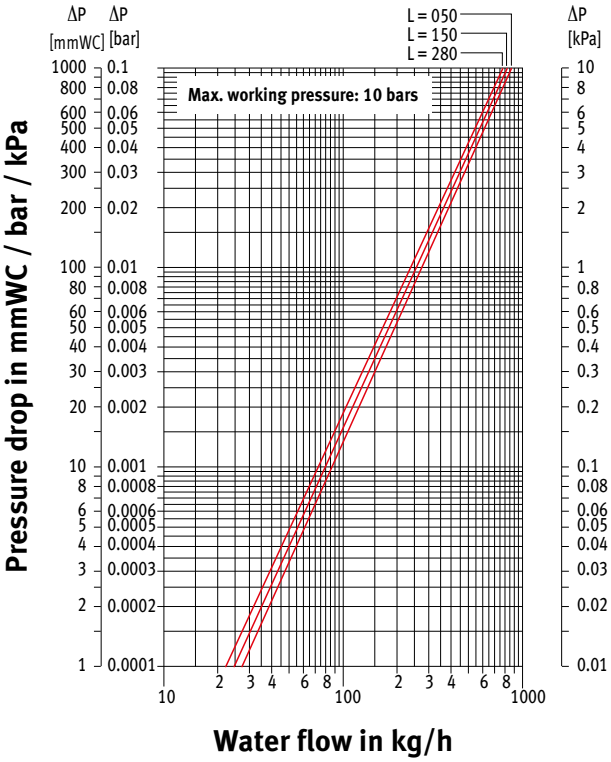
$$\text{Mass flow} = \frac{1000 \times 3600}{4187 \times (70-50)}$$

= 42.99 kg/hr

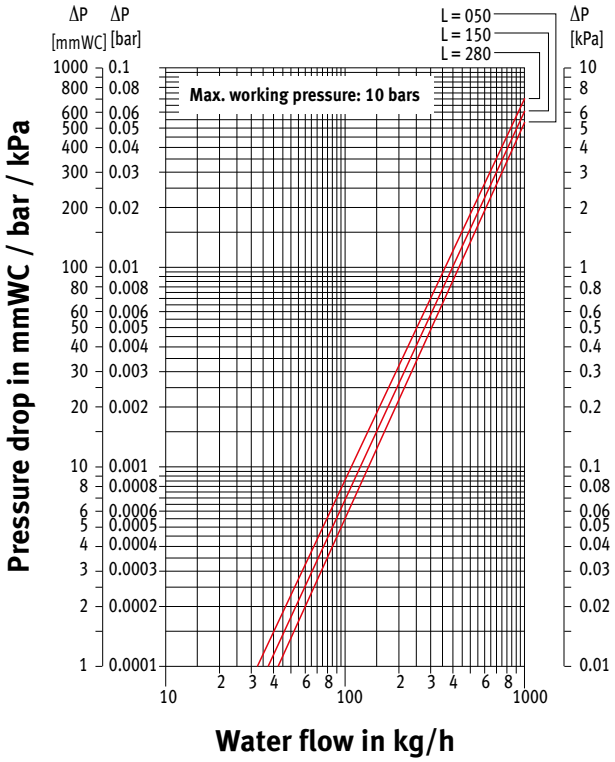
PRESSURE DROP 130mm DEPTH



PRESSURE DROP 180mm DEPTH



PRESSURE DROP 230mm DEPTH




Be Heard

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

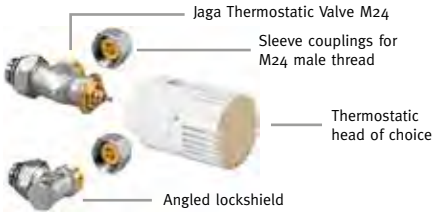
CODE	Tube Ø
5094.110	10/1
5094.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.501	1/2”

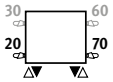
Please note other couplings are available on request.

JAGA THERMOSTATIC VALVE – WALL (suitable for all LST Radiators)



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).



SLEEVE COUPLING 1/2”

Copper Tube

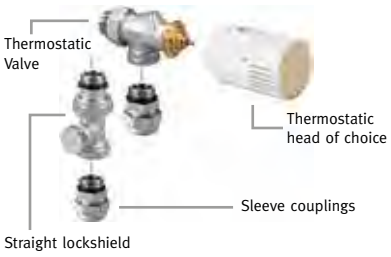
CODE	Tube Ø
5098.110	10/1
5098.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.502	1/2”

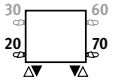
Please note other couplings are available on request.

JAGA THERMOSTATIC VALVE – FLOOR (suitable for all LST 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

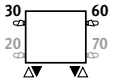
To suit pipework from the floor
(Same end 20/70 connections).



HIGH LEVEL JAGA TOP VALVE

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

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



TRV HEADS

CODE
5090.1125

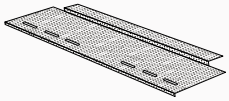
CODE
5090.1151

CODE
5090.1150

CODE
5090.1152

BASE GRILLE WT/WF ONLY

Same colour as casing.

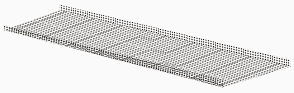


CODE	H	L	D	Colour
5613	000	083*	130*	233

**to suit casing length and depth*

PENCIL PROOF GRILLE WT/FT ONLY

Same colour as casing.



CODE	H	L	D	Colour
5612	000	083*	230*	233

**to suit casing length and depth*

ARTHRITIC AID

CODE
5090.ARTH

JAGA COLOUR CHART

Jaga Maxi 2020 is available in a smooth glossy finish in the following colours.

Jaga has two environmentally friendly electrostatic powder coating lines with recuperation and without the use of solvents. After a thorough pre-treatment, the radiators are painted and baked at a temperature of approximately 200°C. This ensures a highly UV and scratch resistant finish.

233 Traffic white RAL 9016

201 White RAL 9010

205 Pergamon

223 Natural

212 Bahama

234 Warm brown RAL 070 60 10

202 Off-white RAL 9001

235 Traffic yellow RAL 1023

236 Orange

211 Flaming Red RAL 3000

226 Ruby red RAL 3003

220 Aegean

237 Yellow green RAL 110 80 60

238 Green

221 Calypso

213 English green RAL 6009

239 Azure

240 Ocean blue RAL 230 70 30

208 Sapphire blue RAL 5003

241 Night blue RAL 5011

242 Pink

243 Magenta RAL 010 50 50

219 Violet RAL 4008

244 Purple

228 Classic white

203 Light grey RAL 7035

209 Dark grey RAL 7011

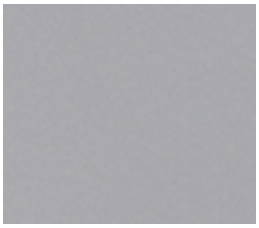
231 Anthracite grey RAL 7016

204 Black RAL 9005

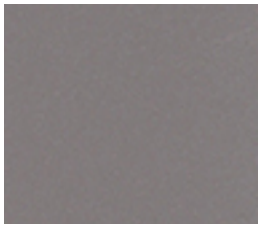
SPECIAL COLOURS

SMOOTH METALLICS

006 Aluminium RAL 9006



049 Anodic grey



005 Gunmetal grey

007 Anthracite

050 Old gold

FINE TEXTURE METALLIC

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

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 colour reproduction in printing. A colour chart can be obtained on request.

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 there 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, the less adverse impact on the environment. Jaga Low-H_2O radiators score significantly better than other radiators or heating systems.

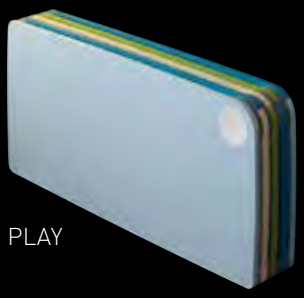
OTHER PRODUCTS

WALL MOUNTED

LINEA PLUS

STRADA

KNOCKONWOOD



PLAY

INSTALLATION IN A WALL RECESS

BRIZA

MINI WALL

MINI

OXYGEN

JAGA'S OXYGEN SYSTEM WORKS WITH ANY OF OUR LOW SURFACE TEMPERATURE (LST) AND WALL-MOUNTED PRODUCTS.

FREESTANDING

KNOCKONWOOD **DBE**

MINI **DBE**

LINEA PLUS

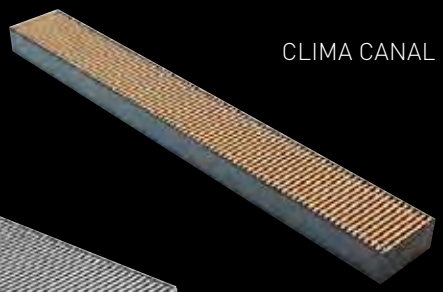
PANEL PLUS

LOW SURFACE TEMPERATURE (LST)

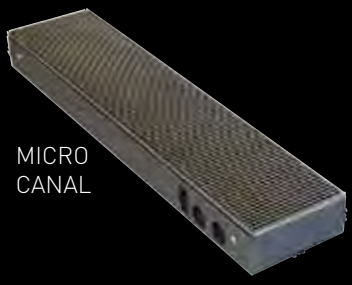
GUARDIAN LST
(AVAILABLE IN WALL AND FLOOR MODELS)

MAXI 2020 LST
(AVAILABLE IN WALL AND FLOOR MODELS)

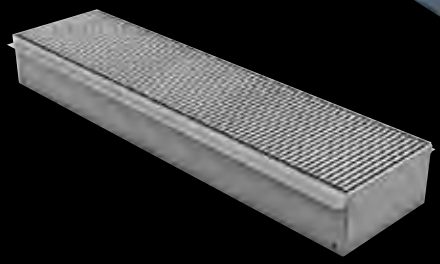
TRENCH HEATING



CLIMA CANAL



MICRO CANAL



QUATRO CANAL

MINI CANAL
DBE

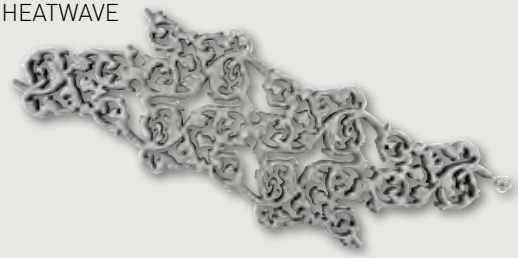
DESIGNER

GEO

VERTIGA

TETRA

HEATWAVE



IGUANA &
IGUANA PLUS

ORECA
CROSSROADS

ORECA
MOON

DECO
PANEL

DECO
SPACE

PANEL
PLUS

TEMPO LST

TEMPO LST
FREESTANDING

CPD SEMINAR REQUEST

jaga
CLIMATE DESIGNERS

VENTILATION IN SCHOOLS

Jaga UK's one-hour Ventilation in Schools CPD seminar certified by RIBA and CIBSE is designed to keep HVAC professionals abreast of recent advances and compliance in educational based environments.

This includes the techniques and challenges faced by specifiers in designing the most appropriate solutions.

Each seminar addresses current practices whilst helping designers to identify technical solutions and harness the benefits of various systems.

Jaga UK CPD seminars can be held at a venue of your choice.

CONTENT OF CPD:

- How to meet BB101 requirements
- How to maintain acceptable indoor air quality (IAQ)
- Effects of poor IAQ
- The importance of maintaining ideal CO2 levels
- Relevant regulatory requirements
- Natural and powered solutions
- How to achieve effective ventilation

CIBSE CPD

NETWORK · RIBA · CPD PROVIDERS

To arrange a CPD or to request more information please contact CPD Coordinator on the details below:
✉ Jaga House, Orchard Business Park, Ledbury, HR8 1LG - ☎ 01531 631 533 - email us @ cpd@jaga.co.uk
You can also register online at www.jaga.co.uk/technical-support/cpd-seminar-request

jaga
CLIMATE DESIGNERS

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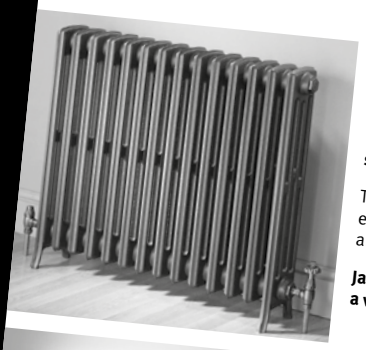

Jaga UK's
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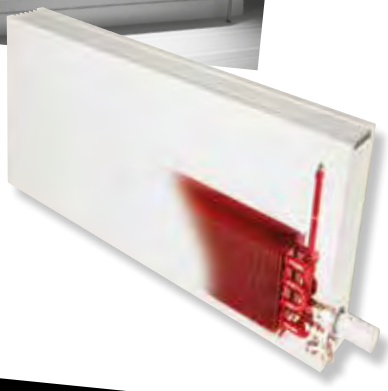


To arrange a CPD or to request more information please contact
✉ Jaga House, Orchard Business Park, Ledbury, HR8 1LG - ☎ o
You can also register online at www.jaga.co.uk/technical-suppo

Jaga runs accredited CIBSE and RIBA Continous Professional Development seminars on:

- Heat Emitter Selection
- Facade Heating
- Ventilation in Schools

Register your interest on our website:

www.jaga.co.uk/technical-support/cpd-seminar-request/

Award winning Low-H2O technology

Safe and strong design

Outstanding performance with low temperature systems

Quick to install, pre-assembled casing

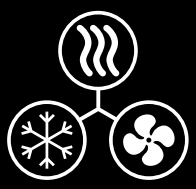
No radiant heat loss to the wall

Split deliveries

Wide range of sizes with a choice of designs

jaga
CLIMATE DESIGNERS

www.jaga.co.uk



Climate Designers -
Heating, Cooling
and Ventilation

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Tel: +44 1531 631 533
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Verbindingslaan 16
B-3590 Diepenbeek
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Fax: +32 11 32 35 78
Email: info@jaga.be

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.

MAXW_BRO_V3_1119