

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.



GUARANTEE
30
YEAR
HEAT EXCHANGER



RUBBISH

BUILD ACCORDING TO
THE CRADLE-TO-CRADLE
PHILOSOPHY
NO NEW TREES WERE HARMED
DURING THE MAKING OF
THIS STAND

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



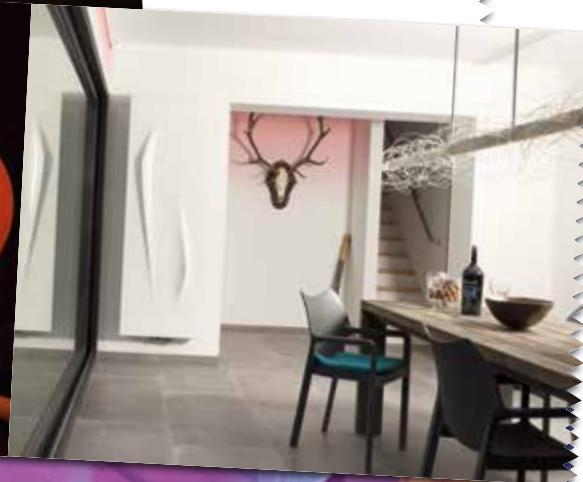


**DREAM A
FUTURE**



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**



TEMPO LST

SAFE, SUBTLE AND CLASSIC DESIGN

Jaga's Tempo LST is our most popular entry level LST with:

- The widest range of sizes in wall mounted, freestanding and continuous models available
- Energy savings of up to 15%*
- Ease of handling and storage
- Dynamic boost effect (DBE) technology, meaning greater heat output and compact sizes even at low temperatures (see DBE page 10)

- Parts easily replaced if damaged without the cost of replacing the whole radiator
- Works with Jaga's ventilation solution 'Oxygen' to deliver combined ventilation and heating in one system.

Jaga's Tempo LST is a popular choice for low surface temperature heating solutions. Widely specified in care homes and retirement living for its safety features, energy efficiency, and having been designed to meet the NHS Estates guidelines for heat emitters.

*As tested by BRE



Award winning Low-H₂O technology



Wide range of sizes with a choice of designs



Outstanding performance with low temperature systems



Valve options can be concealed in casing



No radiant heat loss to the wall



In stock, fast delivery



Split deliveries



BIM files available



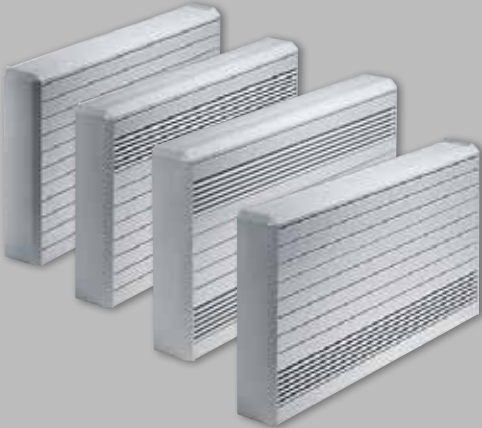
*AWAKE
THE ARTIST*

PRESENTING TEMPO LST



THE JAGA LST PORTFOLIO

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

Product	Options	Recommended Application
TEMPO LST 	- Wall mounted above skirting - Freestanding - Freestanding with extended foot	 Care & Nursing Homes  Sheltered Housing  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
MAXI 2020 LST 	- Wall mounted above skirting - Wall mounted with casing to finished floor - 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

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
	- 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
	- 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)
	- Super strong casing - Rounded corners - Split deliveries (if required) - Casing locks	Wall: - Heights 440 to 740mm - Lengths 630 to 2030mm Floor: - 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

LOW-H₂O: LIGHTER, FASTER AND EFFICIENT

RESPECT
NATURE



THE LOW WATER CONTENT RADIATOR

Jaga's Low-H₂O 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-H₂O 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-H₂O 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



Scientific and Technical Centre
for the Construction Company
Brussels, 1981



Technical University
Eindhoven, 2001



Kiwa Certification
Apeldoorn, 2014

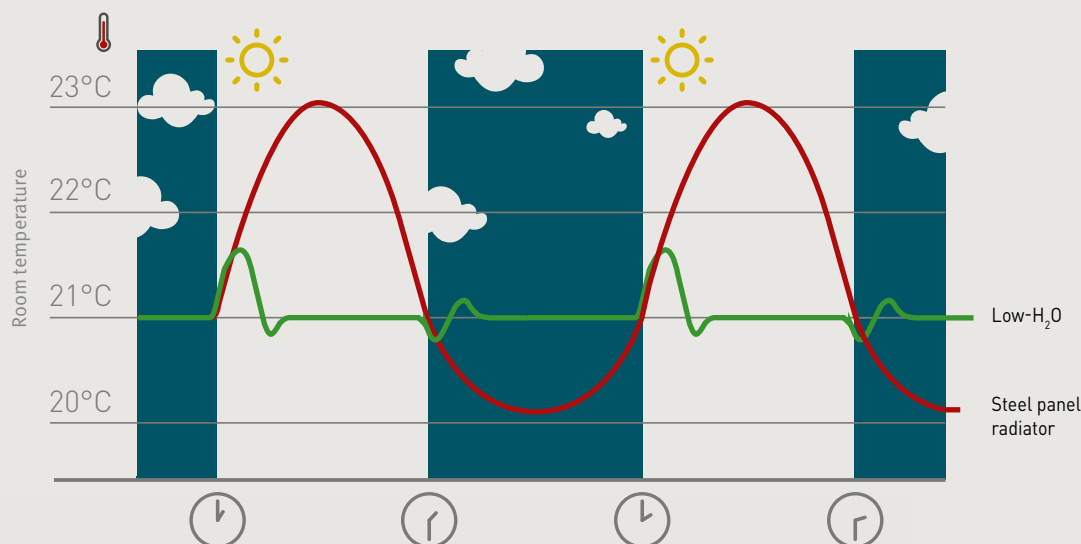


Thermic Regulation
France, 2012



Building Research
Establishment- UK
Watford, 2003

COMPARISON OF RESPONSE TIME TO TEMPERATURE CHANGES



PROVEN TO BE THE WORLD'S MOST ECONOMICAL RADIATOR

Jaga's Low-H₂O 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-H₂O radiator achieves consistently high efficiency performance standards every time.

Low-H₂O radiators are more efficient at all water temperatures, making them the perfect partner for renewable systems and boilers alike. In all conditions

Low-H₂O radiators achieve the maximum scores set by ISSO. Without a maximum score*, the Low-H₂O exchanger would achieve even higher. KIWA found Low-H₂O to be at least 5% more economical than underfloor heating.

**The minimum required score is 1.00 (100%) for Low-H₂O 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-H₂O 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-H₂O 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-H₂O heat exchanger to be effective.



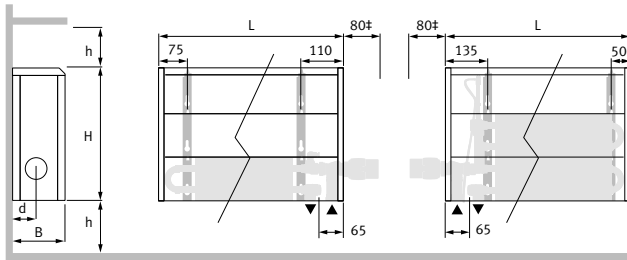
*DREAM
A FUTURE*

TEMPO LST

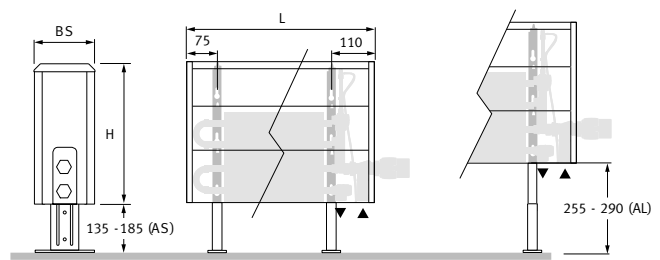
DIMENSIONS (in mm)



Tempo LST wall mounted

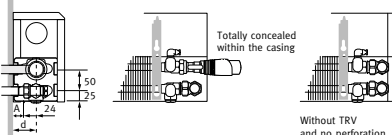


Tempo LST freestanding

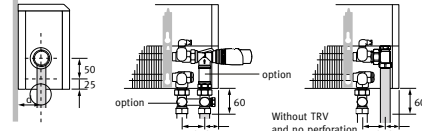


≠ Max. when using Jaga TRV and Head

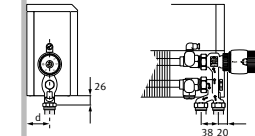
Example with Jaga valve: to the wall



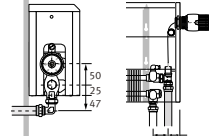
Example with Jaga valve: to the floor



Example with Jaga Pro valve: to the wall or to the floor



Example with Jaga top valve:

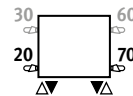


Type	Connection to floor d (mm)	Connection to wall A (mm)	Clearance h (mm)
10/11	53	29	100
15/16	78	53	120
20/21	103	79	150
	B	BS	
10/11	119	130	
15/16	169	180	
20/21	219	230	

CONNECTION

Jaga valves can be concealed within the standard casing. Other valves may be partially visible.

High level valve details: see "Valves and TRVs".



COLOURS

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

Colour:

- White RAL 9010 (101), soft touch satin finish

ORDERING CODE

code	height	length	type	colour
TEMW .	040	060	10 .	101

For example using ordering code TEMW 040 060 10 101 will result in a Tempo wall model with white casing, 400mm high, 600mm long and type 10.

ORDERING CODE WITH DBE

code	height	length	type	colour	Option /DBE
TEMW .	040	080	10 .	101	

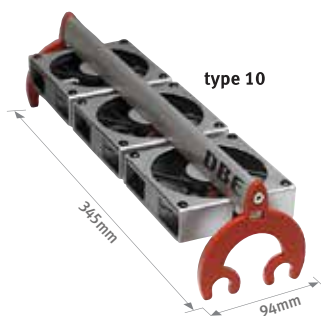
Products with DBE have outputs shown based on 'comfort' mode (see page 9).

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



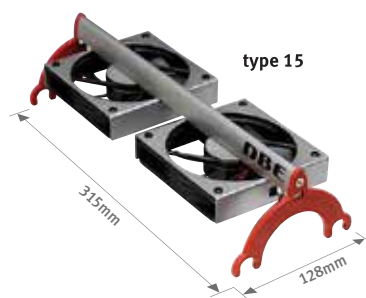
OPTIONAL: DBE

DBE UNIT DBEU.10



To suit types 10 & 11

DBE UNIT DBEU.15



To suit types 15, 16, 20 & 21

STOCK ITEMS

All wall mounted models up to 2000 long in all heights are held in stock, all other sizes are made to order.

All freestanding models are made to order.

Split delivery options available.

Please contact our customer service team to discuss your requirements and availability on large quantity orders.



HEIGHT 200 ■ OUTPUT TABLES

TEMW.020 LLL TT.XXX

Length mm	STANDARD		
	Type	Watts	Watts
		75/65	55/45
400	10	262	127
	15	436	212
	20	613	299
500	10	328	159
	15	545	265
	20	766	373
600	10	393	191
	15	654	319
	20	919	448
700	10	459	223
	15	763	372
	20	1072	522
800	10	524	255
	15	872	425
	20	1226	597
900	10	590	287
	15	981	478
	20	1379	672
1000	10	655	318
	15	1090	531
	20	1532	746
1100	10	721	350
	15	1199	584
	20	1685	821
1200	10	786	382
	15	1308	637
	20	1838	895
1400	10	917	446
	15	1526	743
	20	2145	1045
1600	10	1048	509
	15	1744	850
	20	2451	1194
1800	10	1179	573
	15	1962	956
	20	2758	1343
2000	10	1310	637
	15	2180	1062
	20	3064	1493
2200	10	1441	700
	15	2398	1168
	20	3370	1642
2400	10	1572	764
	15	2616	1274
	20	3677	1791
2600	10	1703	827
	15	2834	1381
	20	3983	1940
2800	10	1834	891
	15	3052	1487
	20	4290	2090
3000	10	1965	955
	15	3270	1593
	20	4596	2239

■ TECHNICAL INFO

STANDARD		
Type	Weight	Water Content
10	2.9	0.25
15	3.9	0.38
20	4.8	0.50
10	3.4	0.31
15	4.5	0.47
20	5.5	0.63
10	3.7	0.38
15	5.0	0.56
20	6.3	0.75
10	4.2	0.44
15	5.7	0.66
20	7.0	0.88
10	4.7	0.50
15	6.2	0.76
20	7.7	1.01
10	5.2	0.57
15	6.8	0.86
20	8.4	1.14
10	5.5	0.65
15	7.4	0.95
20	9.2	1.25
10	6.0	0.69
15	7.9	1.05
20	9.9	1.39
10	6.5	0.76
15	8.6	1.14
20	10.7	1.52
10	7.5	0.89
15	9.9	1.34
20	12.3	1.78
10	8.4	1.02
15	11.2	1.53
20	13.8	2.04
10	9.3	1.14
15	12.3	1.73
20	15.2	2.30
10	10.2	1.27
15	13.4	1.92
20	16.7	2.56
10	11.0	1.40
15	14.6	2.11
20	18.2	2.81
10	12.2	1.53
15	16.0	2.30
20	20.0	3.07
10	13.1	1.66
15	17.2	2.49
20	21.4	3.33
10	13.9	1.79
15	18.3	2.69
20	22.8	3.58
10	14.8	1.92
15	19.5	2.88
20	24.3	3.84

EN442 output at 20°C room temperature

HEIGHT 300 - OUTPUT TABLES

TEMW.030 LLL TT.XXX						
Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMW.030 LLL TT.XXX/DBE				
WITH DBE				
Type	Watts	Watts	Watts	
	75/65	55/45	45/38	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	973	584	418	
16	1368	821	588	
21	1649	989	709	
11	1085	651	467	
16	1516	910	652	
21	1844	1106	793	
11	1197	718	515	
16	1664	998	716	
21	2038	1223	876	
11	1609	965	692	
16	2292	1375	986	
21	2713	1628	1167	
11	1721	1033	740	
16	2440	1464	1049	
21	2908	1745	1250	
11	1833	1100	788	
16	2588	1553	1113	
21	3103	1862	1334	
11	1945	1167	836	
16	2736	1642	1176	
21	3298	1979	1418	
11	2169	1301	933	
16	3032	1819	1304	
21	3687	2212	1585	
11	2994	1796	1287	
16	4288	2573	1844	
21	5037	3022	2166	
11	3218	1931	1384	
16	4584	2750	1971	
21	5426	3256	2333	
11	3442	2065	1480	
16	4880	2928	2098	
21	5816	3490	2501	
11	3666	2200	1576	
16	5176	3106	2226	
21	6206	3724	2669	
11	4490	2694	1931	
16	6432	3859	2766	
21	7555	4533	3249	
11	4715	2829	2027	
16	6728	4037	2893	
21	7945	4767	3416	
11	4939	2963	2124	
16	7024	4214	3020	
21	8334	5000	3584	
11	5163	3098	2220	
16	7320	4392	3148	
21	8724	5234	3751	

TECHNICAL INFO

STANDARD		TWIN & TWIN WITH DBE			
Weight	Water	Weight	Water	Fan	Noise Level
	Content		Content	(Number)	dB(A)
3.6	0.25	N/A	N/A	N/A	N/A
4.8	0.38	N/A	N/A	N/A	N/A
5.9	0.50	N/A	N/A	N/A	N/A
4.2	0.31	N/A	N/A	N/A	N/A
5.5	0.47	N/A	N/A	N/A	N/A
6.7	0.63	N/A	N/A	N/A	N/A
4.7	0.38	6.5	0.73	1 DBEU.10	29.0
6.1	0.56	8.5	1.07	1 DBEU.15	27.0
7.5	0.75	10.2	1.43	1 DBEU.15	27.0
5.3	0.44	7.2	0.86	1 DBEU.10	29.0
6.8	0.66	9.3	1.26	1 DBEU.15	27.0
8.3	0.88	11.2	1.69	1 DBEU.15	27.0
5.7	0.50	7.8	0.99	1 DBEU.10	29.0
7.5	0.76	10.3	1.46	1 DBEU.15	27.0
9.1	1.01	12.4	1.95	1 DBEU.15	27.0
6.3	0.57	9.2	1.12	2 DBEU.10	32.0
8.1	0.86	12.2	1.65	2 DBEU.15	30.0
9.9	1.14	14.4	2.21	2 DBEU.15	30.0
6.8	0.63	9.9	1.25	2 DBEU.10	32.0
8.8	0.95	12.9	1.84	2 DBEU.15	30.0
10.7	1.27	15.2	2.46	2 DBEU.15	30.0
7.3	0.69	10.6	1.37	2 DBEU.10	32.0
9.4	1.05	13.6	2.03	2 DBEU.15	30.0
11.5	1.39	16.3	2.72	2 DBEU.15	30.0
7.9	0.76	11.4	1.50	2 DBEU.10	32.0
10.2	1.14	14.6	2.23	2 DBEU.15	30.0
12.3	1.52	17.4	2.97	2 DBEU.15	30.0
9.2	0.89	13	1.76	2 DBEU.10	32.0
11.8	1.34	17.4	2.62	2 DBEU.15	30.0
14.3	1.78	21.2	3.50	2 DBEU.15	30.0
10.2	1.02	15.6	2.02	4 DBEU.10	35.0
13.1	1.53	19.9	3.00	4 DBEU.15	33.0
16.0	2.04	23.8	4.00	4 DBEU.15	33.0
11.3	1.14	16.9	2.27	4 DBEU.10	35.0
14.5	1.73	21.3	3.38	4 DBEU.15	33.0
17.6	2.30	26.0	4.51	4 DBEU.15	33.0
12.2	1.27	18.2	2.53	4 DBEU.10	35.0
15.8	1.92	22.7	3.77	4 DBEU.15	33.0
19.2	2.56	28.2	5.04	4 DBEU.15	33.0
13.3	1.40	19.5	2.79	4 DBEU.10	35.0
17.1	2.11	24.3	4.16	4 DBEU.15	33.0
20.8	2.81	30.3	5.55	4 DBEU.15	33.0
14.7	1.53	22.5	3.04	6 DBEU.10	36.8
18.9	2.30	27.5	4.54	6 DBEU.15	34.8
23.0	3.07	34.2	6.05	6 DBEU.15	34.8
15.7	1.66	23.9	3.30	6 DBEU.10	36.8
20.2	2.49	29.3	4.93	6 DBEU.15	34.8
24.5	3.33	36.5	6.58	6 DBEU.15	34.8
16.8	1.79	25.1	3.56	6 DBEU.10	36.8
21.5	2.69	30.9	5.31	6 DBEU.15	34.8
26.1	3.58	38.7	7.09	6 DBEU.15	34.8
17.8	1.92	26.5	3.82	6 DBEU.10	36.8
22.7	2.88	32.7	5.70	6 DBEU.15	34.8
27.7	3.84	41.0	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 400 - OUTPUT TABLES

TECHNICAL INFO

TEMW.040 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts 75/65	Watts 55/45	Type	Watts 75/65	Watts 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

TEMW.040 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts 75/65	Watts 55/45	Watts 45/38	Weight	Water Content	Weight	Water Content	Fan (Number)	Noise Level dB(A)
11	N/A	N/A	N/A	4.5	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	5.7	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	7.0	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	5.0	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	6.5	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	7.8	0.63	N/A	N/A	N/A	N/A
11	1058	635	455	5.6	0.38	7.5	0.73	1 DBEU.10	29.0
16	1500	900	645	7.2	0.56	9.6	1.07	1 DBEU.15	27.0
21	1844	1106	793	8.7	0.75	11.4	1.43	1 DBEU.15	27.0
11	1185	711	510	6.3	0.44	8.3	0.86	1 DBEU.10	29.0
16	1670	1002	718	7.9	0.66	10.5	1.26	1 DBEU.15	27.0
21	2072	1243	891	9.6	0.88	12.5	1.69	1 DBEU.15	27.0
11	1311	787	564	6.9	0.50	9.0	0.99	1 DBEU.10	29.0
16	1840	1104	791	8.7	0.76	11.5	1.46	1 DBEU.15	27.0
21	2299	1379	989	10.5	1.01	13.7	1.95	1 DBEU.15	27.0
11	1738	1043	747	7.4	0.57	10.3	1.12	2 DBEU.10	32.0
16	2490	1494	1071	9.4	0.86	13.5	1.65	2 DBEU.15	30.0
21	3007	1804	1293	11.3	1.14	15.8	2.21	2 DBEU.15	30.0
11	1864	1118	802	8.0	0.63	11.1	1.25	2 DBEU.10	32.0
16	2660	1596	1144	10.1	0.95	14.2	1.84	2 DBEU.15	30.0
21	3234	1940	1391	12.2	1.27	16.7	2.46	2 DBEU.15	30.0
11	1990	1194	856	8.6	0.69	12.0	1.37	2 DBEU.10	32.0
16	2830	1698	1217	10.9	1.05	15.0	2.03	2 DBEU.15	30.0
21	3461	2077	1488	13.1	1.39	17.9	2.72	2 DBEU.15	30.0
11	2117	1270	910	9.2	0.76	12.8	1.50	2 DBEU.10	32.0
16	3000	1800	1290	11.7	1.14	16.1	2.23	2 DBEU.15	30.0
21	3689	2213	1586	14.0	1.52	19.1	2.97	2 DBEU.15	30.0
11	2370	1422	1019	10.8	0.89	14.7	1.76	2 DBEU.10	32.0
16	3340	2004	1436	13.6	1.34	19.1	2.62	2 DBEU.15	30.0
21	4144	2486	1782	16.4	1.78	23.3	3.50	2 DBEU.15	30.0
11	3222	1933	1385	12.0	1.02	17.4	2.02	4 DBEU.10	35.0
16	4640	2784	1995	15.1	1.53	21.8	3.00	4 DBEU.15	33.0
21	5558	3335	2390	18.1	2.04	25.9	4.00	4 DBEU.15	33.0
11	3475	2085	1494	13.2	1.14	18.9	2.27	4 DBEU.10	35.0
16	4980	2988	2141	16.5	1.73	23.3	3.38	4 DBEU.15	33.0
21	6013	3608	2586	19.9	2.30	28.3	4.51	4 DBEU.15	33.0
11	3728	2237	1603	14.4	1.27	20.4	2.53	4 DBEU.10	35.0
16	5320	3192	2288	18.1	1.92	24.9	3.77	4 DBEU.15	33.0
21	6468	3881	2781	21.7	2.56	30.7	5.04	4 DBEU.15	33.0
11	3981	2389	1712	15.5	1.40	21.8	2.79	4 DBEU.10	35.0
16	5660	3396	2434	19.5	2.11	26.6	4.16	4 DBEU.15	33.0
21	6923	4154	2977	23.4	2.81	32.9	5.55	4 DBEU.15	33.0
11	4834	2900	2079	17.3	1.53	25.0	3.04	6 DBEU.10	36.8
16	6960	4176	2993	21.6	2.30	30.2	4.54	6 DBEU.15	34.8
21	8338	5003	3585	26.0	3.07	37.2	6.05	6 DBEU.15	34.8
11	5086	3052	2187	18.4	1.66	26.5	3.30	6 DBEU.10	36.8
16	7300	4380	3139	23.0	2.49	32.2	4.93	6 DBEU.15	34.8
21	8792	5275	3781	27.6	3.33	39.6	6.58	6 DBEU.15	34.8
11	5339	3203	2296	19.6	1.79	28.0	3.56	6 DBEU.10	36.8
16	7640	4584	3285	24.5	2.69	33.9	5.31	6 DBEU.15	34.8
21	9247	5548	3976	29.4	3.58	41.9	7.09	6 DBEU.15	34.8
11	5592	3355	2405	20.8	1.92	29.5	3.82	6 DBEU.10	36.8
16	7980	4788	3431	25.9	2.88	35.9	5.70	6 DBEU.15	34.8
21	9702	5821	4172	31.1	3.84	44.4	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 500 - OUTPUT TABLES

TEMW.050 LLL TT.XXX						
Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMW.050 LLL TT.XXX/DBE				
WITH DBE				
Type	Watts	Watts	Watts	
	75/65	55/45	45/38	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	1132	679	487	
16	1619	971	696	
21	2029	1217	872	
11	1270	762	546	
16	1809	1085	778	
21	2287	1372	983	
11	1409	845	606	
16	1998	1199	859	
21	2546	1528	1095	
11	1847	1108	794	
16	2668	1601	1147	
21	3284	1970	1412	
11	1986	1192	854	
16	2858	1715	1229	
21	3542	2125	1523	
11	2125	1275	914	
16	3048	1829	1311	
21	3800	2280	1634	
11	2263	1358	973	
16	3238	1943	1392	
21	4058	2435	1745	
11	2540	1524	1092	
16	3617	2170	1555	
21	4575	2745	1967	
11	3418	2051	1470	
16	4957	2974	2132	
21	6051	3631	2602	
11	3695	2217	1589	
16	5336	3202	2294	
21	6568	3941	2824	
11	3972	2383	1708	
16	5716	3430	2458	
21	7084	4250	3046	
11	4249	2549	1827	
16	6096	3658	2621	
21	7600	4560	3268	
11	5126	3076	2204	
16	7435	4461	3197	
21	9077	5446	3903	
11	5404	3242	2324	
16	7815	4689	3360	
21	9593	5756	4125	
11	5681	3409	2443	
16	8194	4916	3523	
21	10110	6066	4347	
11	5958	3575	2562	
16	8574	5144	3687	
21	10626	6376	4569	

TECHNICAL INFO

STANDARD		TWIN & TWIN WITH DBE			
Weight	Water	Weight	Water	Fan	Noise Level
	Content		Content	(Number)	dB(A)
5.2	0.25	N/A	N/A	N/A	N/A
6.6	0.38	N/A	N/A	N/A	N/A
8.0	0.50	N/A	N/A	N/A	N/A
5.9	0.31	N/A	N/A	N/A	N/A
7.5	0.47	N/A	N/A	N/A	N/A
9.0	0.63	N/A	N/A	N/A	N/A
6.6	0.38	8.4	0.73	1 DBEU.10	29.0
8.3	0.56	10.6	1.07	1 DBEU.15	27.0
10.0	0.75	12.6	1.43	1 DBEU.15	27.0
7.2	0.44	9.2	0.86	1 DBEU.10	29.0
9.1	0.66	11.6	1.26	1 DBEU.15	27.0
10.9	0.88	13.8	1.69	1 DBEU.15	27.0
7.9	0.50	10.0	0.99	1 DBEU.10	29.0
9.9	0.76	12.7	1.46	1 DBEU.15	27.0
11.9	1.01	15.1	1.95	1 DBEU.15	27.0
8.6	0.57	11.6	1.12	2 DBEU.10	32.0
10.7	0.86	14.8	1.65	2 DBEU.15	30.0
12.8	1.14	17.3	2.21	2 DBEU.15	30.0
6.9	0.63	12.3	1.25	2 DBEU.10	32.0
11.5	0.95	15.6	1.84	2 DBEU.15	30.0
13.8	1.27	18.3	2.46	2 DBEU.15	30.0
9.9	0.69	13.2	1.37	2 DBEU.10	32.0
12.3	1.05	16.4	2.03	2 DBEU.15	30.0
14.7	1.39	19.5	2.72	2 DBEU.15	30.0
10.7	0.76	14.1	1.50	2 DBEU.10	32.0
13.2	1.14	17.6	2.23	2 DBEU.15	30.0
15.7	1.52	20.8	2.97	2 DBEU.15	30.0
12.5	0.89	16.3	1.76	2 DBEU.10	32.0
15.4	1.34	21.0	2.62	2 DBEU.15	30.0
18.4	1.78	25.3	3.50	2 DBEU.15	30.0
13.9	1.02	19.2	2.02	4 DBEU.10	35.0
17.1	1.53	23.8	3.00	4 DBEU.15	33.0
20.3	2.04	28.1	4.00	4 DBEU.15	33.0
15.2	1.14	20.8	2.27	4 DBEU.10	35.0
18.7	1.73	25.5	3.38	4 DBEU.15	33.0
22.2	2.30	30.6	4.51	4 DBEU.15	33.0
16.5	1.27	22.4	2.53	4 DBEU.10	35.0
20.3	1.92	27.2	3.77	4 DBEU.15	33.0
24.1	2.56	33.1	5.04	4 DBEU.15	33.0
17.8	1.40	24.0	2.79	4 DBEU.10	35.0
21.9	2.11	29.1	4.16	4 DBEU.15	33.0
26.1	2.81	35.6	5.55	4 DBEU.15	33.0
19.8	1.53	27.5	3.04	6 DBEU.10	36.8
24.3	2.30	32.9	4.54	6 DBEU.15	34.8
29.0	3.07	40.2	6.05	6 DBEU.15	34.8
21.1	1.66	29.1	3.30	6 DBEU.10	36.8
25.9	2.49	35.0	4.93	6 DBEU.15	34.8
30.8	3.33	42.7	6.58	6 DBEU.15	34.8
22.4	1.79	30.7	3.56	6 DBEU.10	36.8
27.5	2.69	36.9	5.31	6 DBEU.15	34.8
32.7	3.58	45.2	7.09	6 DBEU.15	34.8
23.8	1.92	32.4	3.82	6 DBEU.10	36.8
29.1	2.88	39.0	5.70	6 DBEU.15	34.8
34.6	3.84	47.8	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 600 - OUTPUT TABLES

TECHNICAL INFO

TEMW.060 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMW.060 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts	Watts	Watts	Weight	Water	Weight	Water	Fan	Noise Level
	75/65	55/45	45/38		Content		Content	(Number)	dB(A)
11	N/A	N/A	N/A	5.9	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	7.6	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	9.1	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	6.7	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	8.4	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	10.1	0.63	N/A	N/A	N/A	N/A
11	1196	718	514	7.5	0.38	9.3	0.73	1 DBEU.10	29.0
16	1730	1038	744	9.3	0.56	11.7	1.07	1 DBEU.15	27.0
21	2209	1325	950	11.1	0.75	13.8	1.43	1 DBEU.15	27.0
11	1346	808	579	8.3	0.44	10.2	0.86	1 DBEU.10	29.0
16	1939	1163	834	10.2	0.66	12.7	1.26	1 DBEU.15	27.0
21	2497	1498	1074	12.2	0.88	15.1	1.69	1 DBEU.15	27.0
11	1495	897	643	8.9	0.50	11.0	0.99	1 DBEU.10	29.0
16	2147	1288	923	11.1	0.76	13.9	1.46	1 DBEU.15	27.0
21	2786	1672	1198	13.1	1.01	16.5	1.95	1 DBEU.15	27.0
11	1945	1167	836	9.7	0.57	12.7	1.12	2 DBEU.10	32.0
16	2836	1702	1219	12.0	0.86	16.0	1.65	2 DBEU.15	30.0
21	3554	2132	1528	14.3	1.14	18.8	2.21	2 DBEU.15	30.0
11	2094	1256	900	10.5	0.63	13.5	1.25	2 DBEU.10	32.0
16	3044	1826	1309	12.8	0.95	16.9	1.84	2 DBEU.15	30.0
21	3842	2305	1652	15.2	1.27	19.8	2.46	2 DBEU.15	30.0
11	2243	1346	964	11.2	0.69	14.5	1.37	2 DBEU.10	32.0
16	3252	1951	1398	13.8	1.05	17.9	2.03	2 DBEU.15	30.0
21	4130	2478	1776	16.3	1.39	21.1	2.72	2 DBEU.15	30.0
11	2393	1436	1029	12.0	0.76	15.5	1.50	2 DBEU.10	32.0
16	3461	2077	1488	14.7	1.14	19.1	2.23	2 DBEU.15	30.0
21	4418	2651	1900	17.4	1.52	22.5	2.97	2 DBEU.15	30.0
11	2692	1615	1158	14.1	0.89	18	1.76	2 DBEU.10	32.0
16	3878	2327	1668	17.3	1.34	22.9	2.62	2 DBEU.15	30.0
21	4995	2997	2148	20.4	1.78	27.2	3.50	2 DBEU.15	30.0
11	3590	2154	1544	15.6	1.02	21.0	2.02	4 DBEU.10	35.0
16	5254	3152	2259	19.0	1.53	25.8	3.00	4 DBEU.15	33.0
21	6531	3919	2808	22.5	2.04	30.2	4.00	4 DBEU.15	33.0
11	3889	2333	1672	17.0	1.14	22.7	2.27	4 DBEU.10	35.0
16	5671	3403	2439	20.9	1.73	27.7	3.38	4 DBEU.15	33.0
21	7108	4265	3056	24.6	2.30	32.9	4.51	4 DBEU.15	33.0
11	4188	2513	1801	18.6	1.27	24.6	2.53	4 DBEU.10	35.0
16	6088	3653	2618	22.6	1.92	29.5	3.77	4 DBEU.15	33.0
21	7684	4610	3304	26.6	2.56	35.5	5.04	4 DBEU.15	33.0
11	4487	2692	1929	20.0	1.40	26.3	2.79	4 DBEU.10	35.0
16	6505	3903	2797	24.4	2.11	31.6	4.16	4 DBEU.15	33.0
21	8260	4956	3552	28.7	2.81	38.1	5.55	4 DBEU.15	33.0
11	5386	3232	2316	22.2	1.53	30.0	3.04	6 DBEU.10	36.8
16	7882	4729	3389	27.0	2.30	35.7	4.54	6 DBEU.15	34.8
21	9797	5878	4213	31.8	3.07	43.1	6.05	6 DBEU.15	34.8
11	5684	3410	2444	23.7	1.66	31.8	3.30	6 DBEU.10	36.8
16	8298	4979	3568	28.8	2.49	38.0	4.93	6 DBEU.15	34.8
21	10373	6224	4460	33.9	3.33	45.8	6.58	6 DBEU.15	34.8
11	5983	3590	2573	25.2	1.79	33.6	3.56	6 DBEU.10	36.8
16	8715	5229	3747	30.6	2.69	40.0	5.31	6 DBEU.15	34.8
21	10950	6570	4709	36.0	3.58	48.4	7.09	6 DBEU.15	34.8
11	6282	3769	2701	26.7	1.92	35.4	3.82	6 DBEU.10	36.8
16	9132	5479	3927	32.3	2.88	42.3	5.70	6 DBEU.15	34.8
21	11526	6916	4956	38.0	3.84	51.2	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 700 - OUTPUT TABLES

TEMW.070 LLL TT.XXX						
Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		75/65	55/45		75/65	55/45
400	10	499	248	11	636	305
	15	789	396	16	904	426
	20	1101	553	21	1271	590
500	10	624	311	11	795	382
	15	986	495	16	1130	533
	20	1377	691	21	1589	738
600	10	749	373	11	954	458
	15	1183	594	16	1356	639
	20	1652	829	21	1906	885
700	10	874	435	11	1113	534
	15	1380	692	16	1582	746
	20	1927	967	21	2224	1033
800	10	998	497	11	1272	611
	15	1578	792	16	1808	852
	20	2202	1105	21	2542	1181
900	10	1123	559	11	1431	687
	15	1775	891	16	2034	959
	20	2478	1244	21	2859	1328
1000	10	1248	621	11	1590	764
	15	1972	989	16	2260	1065
	20	2753	1382	21	3177	1476
1100	10	1373	683	11	1749	840
	15	2169	1088	16	2486	1172
	20	3028	1520	21	3495	1623
1200	10	1498	746	11	1908	916
	15	2366	1187	16	2712	1279
	20	3304	1659	21	3812	1771
1400	10	1747	869	11	2226	1069
	15	2761	1385	16	3164	1492
	20	3854	1935	21	4448	2066
1600	10	1997	994	11	2544	1222
	15	3155	1583	16	3616	1705
	20	4405	2211	21	5083	2361
1800	10	2246	1118	11	2862	1374
	15	3550	1781	16	4068	1918
	20	4955	2488	21	5719	2657
2000	10	2496	1242	11	3180	1527
	15	3944	1979	16	4520	2131
	20	5506	2764	21	6354	2952
2200	10	2746	1367	11	3498	1680
	15	4338	2177	16	4972	2344
	20	6057	3041	21	6989	3247
2400	10	2995	1491	11	3816	1832
	15	4733	2375	16	5424	2557
	20	6607	3317	21	7625	3542
2600	10	3245	1615	11	4134	1985
	15	5127	2573	16	5876	2770
	20	7158	3594	21	8260	3837
2800	10	3494	1739	11	4452	2138
	15	5522	2771	16	6328	2983
	20	7708	3870	21	8896	4132
3000	10	3744	1863	11	4770	2291
	15	5916	2968	16	6780	3196
	20	8259	4146	21	9531	4427

TEMW.070 LLL TT.XXX/DBE				
WITH DBE				
Type	Watts	Watts	Watts	
	75/65	55/45	45/38	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	N/A	N/A	N/A	
16	N/A	N/A	N/A	
21	N/A	N/A	N/A	
11	1254	752	539	
16	1836	1102	789	
21	2386	1432	1026	
11	1413	848	608	
16	2062	1237	887	
21	2704	1622	1163	
11	1572	943	676	
16	2288	1373	984	
21	3022	1813	1299	
11	2031	1219	873	
16	2994	1796	1287	
21	3819	2291	1642	
11	2190	1314	942	
16	3220	1932	1385	
21	4137	2482	1779	
11	2349	1409	1010	
16	3446	2068	1482	
21	4455	2673	1916	
11	2508	1505	1078	
16	3672	2203	1579	
21	4772	2863	2052	
11	2826	1696	1215	
16	4124	2474	1773	
21	5408	3245	2325	
11	3744	2246	1610	
16	5536	3322	2380	
21	7003	4202	3011	
11	4062	2437	1747	
16	5988	3593	2575	
21	7639	4583	3285	
11	4380	2628	1883	
16	6440	3864	2769	
21	8274	4964	3558	
11	4698	2819	2020	
16	6892	4135	2964	
21	8909	5345	3831	
11	5616	3370	2415	
16	8304	4982	3571	
21	10505	6303	4517	
11	5934	3560	2552	
16	8756	5254	3765	
21	11140	6684	4790	
11	6252	3751	2688	
16	9208	5525	3959	
21	11776	7066	5064	
11	6570	3942	2825	
16	9660	5796	4154	
21	12411	7447	5337	

TECHNICAL INFO

STANDARD		TWIN & TWIN WITH DBE			
Weight	Water	Weight	Water	Fan	Noise Level
Content		Content		(Number)	dB(A)
6.8	0.25	N/A	N/A	N/A	N/A
8.5	0.38	N/A	N/A	N/A	N/A
10.2	0.50	N/A	N/A	N/A	N/A
7.6	0.31	N/A	N/A	N/A	N/A
9.4	0.47	N/A	N/A	N/A	N/A
11.3	0.63	N/A	N/A	N/A	N/A
8.4	0.38	10.3	0.73	1 DBEU.10	29.0
10.4	0.56	12.8	1.07	1 DBEU.15	27.0
12.3	0.75	15.0	1.43	1 DBEU.15	27.0
9.3	0.44	11.3	0.86	1 DBEU.10	29.0
11.4	0.66	14.0	1.26	1 DBEU.15	27.0
13.5	0.88	16.4	1.69	1 DBEU.15	27.0
10.1	0.50	12.2	0.99	1 DBEU.10	29.0
12.3	0.76	15.2	1.46	1 DBEU.15	27.0
14.5	1.01	17.9	1.95	1 DBEU.15	27.0
10.8	0.57	13.8	1.12	2 DBEU.10	32.0
13.3	0.86	17.4	1.65	2 DBEU.15	30.0
15.7	1.14	20.2	2.21	2 DBEU.15	30.0
11.6	0.63	14.8	1.25	2 DBEU.10	32.0
14.2	0.95	18.4	1.84	2 DBEU.15	30.0
16.7	1.27	21.3	2.46	2 DBEU.15	30.0
12.5	0.69	15.9	1.37	2 DBEU.10	32.0
15.2	1.05	19.4	2.03	2 DBEU.15	30.0
17.9	1.39	22.7	2.72	2 DBEU.15	30.0
13.4	0.76	16.9	1.50	2 DBEU.10	32.0
16.2	1.14	20.7	2.23	2 DBEU.15	30.0
19.1	1.52	24.2	2.97	2 DBEU.15	30.0
15.8	0.89	19.6	1.76	2 DBEU.10	32.0
19.1	1.34	24.6	2.62	2 DBEU.15	30.0
22.5	1.78	29.3	3.50	2 DBEU.15	30.0
17.4	1.02	22.8	2.02	4 DBEU.10	35.0
21.0	1.53	27.7	3.00	4 DBEU.15	33.0
24.7	2.04	32.4	4.00	4 DBEU.15	33.0
19.0	1.14	24.6	2.27	4 DBEU.10	35.0
22.9	1.73	29.7	3.38	4 DBEU.15	33.0
26.9	2.30	35.2	4.51	4 DBEU.15	33.0
20.6	1.27	26.6	2.53	4 DBEU.10	35.0
24.9	1.92	31.7	3.77	4 DBEU.15	33.0
29.1	2.56	38.0	5.04	4 DBEU.15	33.0
22.3	1.40	28.5	2.79	4 DBEU.10	35.0
26.8	2.11	33.9	4.16	4 DBEU.15	33.0
31.3	2.81	40.7	5.55	4 DBEU.15	33.0
24.8	1.53	32.5	3.04	6 DBEU.10	36.8
29.8	2.30	38.5	4.54	6 DBEU.15	34.8
34.8	3.07	46.1	6.05	6 DBEU.15	34.8
26.4	1.66	34.5	3.30	6 DBEU.10	36.8
31.7	2.49	40.9	4.93	6 DBEU.15	34.8
37.0	3.33	48.9	6.58	6 DBEU.15	34.8
28.1	1.79	36.4	3.56	6 DBEU.10	36.8
33.6	2.69	43.1	5.31	6 DBEU.15	34.8
39.2	3.58	51.7	7.09	6 DBEU.15	34.8
29.7	1.92	38.4	3.82	6 DBEU.10	36.8
35.5	2.88	45.4	5.70	6 DBEU.15	34.8
41.4	3.84	54.6	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 900 - OUTPUT TABLES

TECHNICAL INFO

TEMW.090 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts 75/65	Watts 55/45	Type	Watts 75/65	Watts 55/45
400	10	548	275	11	703	338
	15	848	431	16	1038	487
	20	1183	601	21	1508	694
500	10	685	344	11	879	423
	15	1060	538	16	1298	609
	20	1479	751	21	1885	868
600	10	821	412	11	1055	507
	15	1272	646	16	1558	732
	20	1774	901	21	2262	1042
700	10	958	481	11	1231	592
	15	1484	754	16	1817	853
	20	2070	1051	21	2639	1215
800	10	1095	550	11	1406	676
	15	1696	861	16	2077	975
	20	2366	1202	21	3016	1389
900	10	1232	619	11	1582	760
	15	1908	969	16	2336	1097
	20	2661	1352	21	3393	1562
1000	10	1369	688	11	1758	845
	15	2120	1077	16	2596	1219
	20	2957	1502	21	3770	1736
1100	10	1506	756	11	1934	930
	15	2332	1185	16	2856	1341
	20	3253	1652	21	4147	1910
1200	10	1643	825	11	2110	1014
	15	2544	1292	16	3115	1463
	20	3548	1802	21	4524	2083
1400	10	1917	963	11	2461	1183
	15	2968	1508	16	3634	1706
	20	4140	2103	21	5278	2431
1600	10	2190	1100	11	2813	1352
	15	3392	1723	16	4154	1950
	20	4731	2403	21	6032	2778
1800	10	2464	1238	11	3164	1521
	15	3816	1938	16	4673	2194
	20	5323	2704	21	6786	3125
2000	10	2738	1375	11	3516	1690
	15	4240	2154	16	5192	2438
	20	5914	3004	21	7540	3472
2200	10	3012	1513	11	3868	1859
	15	4664	2369	16	5711	2681
	20	6505	3304	21	8294	3819
2400	10	3286	1650	11	4219	2028
	15	5088	2584	16	6230	2925
	20	7097	3605	21	9048	4167
2600	10	3559	1788	11	4571	2197
	15	5512	2800	16	6750	3169
	20	7688	3905	21	9802	4514
2800	10	3833	1925	11	4922	2366
	15	5936	3015	16	7269	3413
	20	8280	4206	21	10556	4861
3000	10	4107	2063	11	5274	2535
	15	6360	3231	16	7788	3657
	20	8871	4506	21	11310	5208

TEMW.090 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts 75/65	Watts 55/45	Watts 45/38	Weight	Water Content	Weight	Water Content	Fan (Number)	Noise Level dB(A)
11	N/A	N/A	N/A	8.5	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	10.6	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	11.9	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	9.5	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	11.8	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	13.2	0.63	N/A	N/A	N/A	N/A
11	1355	813	583	10.5	0.38	12.3	0.73	1 DBEU.10	29.0
16	2038	1223	876	12.8	0.56	15.2	1.07	1 DBEU.15	27.0
21	2742	1645	1179	14.3	0.75	17.1	1.43	1 DBEU.15	27.0
11	1531	919	658	11.5	0.44	13.4	0.86	1 DBEU.10	29.0
16	2297	1378	988	14.0	0.66	16.5	1.26	1 DBEU.15	27.0
21	3119	1871	1341	15.7	0.88	18.6	1.69	1 DBEU.15	27.0
11	1706	1024	734	12.4	0.50	14.5	0.99	1 DBEU.10	29.0
16	2557	1534	1100	15.0	0.76	17.9	1.46	1 DBEU.15	27.0
21	3496	2098	1503	16.8	1.01	20.2	1.95	1 DBEU.15	27.0
11	2182	1309	938	13.4	0.57	16.3	1.12	2 DBEU.10	32.0
16	3296	1978	1417	16.2	0.86	20.3	1.65	2 DBEU.15	30.0
21	4353	2612	1872	18.2	1.14	22.7	2.21	2 DBEU.15	30.0
11	2358	1415	1014	14.3	0.63	17.4	1.25	2 DBEU.10	32.0
16	3556	2134	1529	17.3	0.95	21.4	1.84	2 DBEU.15	30.0
21	4730	2838	2034	19.3	1.27	23.9	2.46	2 DBEU.15	30.0
11	2534	1520	1090	15.3	0.69	18.6	1.37	2 DBEU.10	32.0
16	3816	2290	1641	18.4	1.05	22.6	2.03	2 DBEU.15	30.0
21	5107	3064	2196	20.7	1.39	25.5	2.72	2 DBEU.15	30.0
11	2710	1626	1165	16.4	0.76	19.8	1.50	2 DBEU.10	32.0
16	4075	2445	1752	19.5	1.14	24.0	2.23	2 DBEU.15	30.0
21	5484	3290	2358	22.0	1.52	27.1	2.97	2 DBEU.15	30.0
11	3061	1837	1316	19.4	0.89	23.3	1.76	2 DBEU.10	32.0
16	4594	2756	1975	23.2	1.34	28.8	2.62	2 DBEU.15	30.0
21	6238	3743	2682	26.1	1.78	32.9	3.50	2 DBEU.15	30.0
11	4013	2408	1726	21.4	1.02	26.8	2.02	4 DBEU.10	35.0
16	6074	3644	2612	25.5	1.53	32.2	3.00	4 DBEU.15	33.0
21	7952	4771	3419	28.7	2.04	36.4	4.00	4 DBEU.15	33.0
11	4364	2618	1877	23.3	1.14	29.0	2.27	4 DBEU.10	35.0
16	6593	3956	2835	27.7	1.73	34.5	3.38	4 DBEU.15	33.0
21	8706	5224	3744	31.2	2.30	39.5	4.51	4 DBEU.15	33.0
11	4716	2830	2028	25.2	1.27	31.2	2.53	4 DBEU.10	35.0
16	7112	4267	3058	29.9	1.92	36.8	3.77	4 DBEU.15	33.0
21	9460	5676	4068	33.7	2.56	42.6	5.04	4 DBEU.15	33.0
11	5068	3041	2179	27.1	1.40	33.4	2.79	4 DBEU.10	35.0
16	7631	4579	3281	32.1	2.11	39.3	4.16	4 DBEU.15	33.0
21	10214	6128	4392	36.2	2.81	45.6	5.55	4 DBEU.15	33.0
11	6019	3611	2588	30.3	1.53	38.1	3.04	6 DBEU.10	36.8
16	9110	5466	3917	35.9	2.30	44.7	4.54	6 DBEU.15	34.8
21	11928	7157	5129	40.4	3.07	51.6	6.05	6 DBEU.15	34.8
11	6371	3823	2740	32.2	1.66	40.3	3.30	6 DBEU.10	36.8
16	9630	5778	4141	38.1	2.49	47.4	4.93	6 DBEU.15	34.8
21	12682	7609	5453	42.9	3.33	54.7	6.58	6 DBEU.15	34.8
11	6722	4033	2890	34.2	1.79	42.5	3.56	6 DBEU.10	36.8
16	10149	6089	4364	40.3	2.69	49.9	5.31	6 DBEU.15	34.8
21	13436	8062	5777	45.4	3.58	57.8	7.09	6 DBEU.15	34.8
11	7074	4244	3042	36.1	1.92	44.8	3.82	6 DBEU.10	36.8
16	10668	6401	4587	42.5	2.88	52.5	5.70	6 DBEU.15	34.8
21	14190	8514	6102	47.9	3.84	61.1	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 200 FS - OUTPUT TABLES

TECHNICAL INFO

TEMF.020 LLL TT.XXX

STANDARD				STANDARD		
Length mm	Type	Watts 75/65	Watts 55/45	Type	Weight	Water Content
400	10	262	127	10	4.75	0.25
	15	436	212	15	5.8	0.38
	20	613	299	20	6.65	0.5
500	10	328	159	10	5.4	0.31
	15	545	265	15	6.6	0.47
	20	766	373	20	7.6	0.63
600	10	393	191	10	6	0.38
	15	654	319	15	7.35	0.56
	20	919	448	20	8.45	0.75
700	10	459	223	10	6.65	0.44
	15	763	372	15	8.05	0.66
	20	1072	522	20	9.4	0.88
800	10	524	255	10	7.15	0.5
	15	872	425	15	8.85	0.76
	20	1226	597	20	10.2	1.01
900	10	590	287	10	7.8	0.57
	15	981	478	15	9.55	0.86
	20	1379	672	20	11.15	1.14
1000	10	655	318	10	8.4	0.63
	15	1090	531	15	10.3	0.95
	20	1532	746	20	12	1.27
1100	10	721	350	10	9.05	0.69
	15	1199	584	15	11.1	1.05
	20	1685	821	20	12.95	1.39
1200	10	786	382	10	9.65	0.76
	15	1308	637	15	11.85	1.14
	20	1838	895	20	13.85	1.52
1400	10	917	446	10	11.6	0.89
	15	1526	743	15	14.1	1.34
	20	2145	1045	20	16.45	1.78
1600	10	1048	509	10	12.85	1.02
	15	1744	850	15	15.7	1.53
	20	2451	1194	20	18.2	2.04
1800	10	1179	573	10	14	1.14
	15	1962	956	15	17.15	1.73
	20	2758	1343	20	20	2.3
2000	10	1310	637	10	15.25	1.27
	15	2180	1062	15	18.6	1.92
	20	3064	1493	20	21.75	2.56
2200	10	1441	700	10	16.4	1.4
	15	2398	1168	15	20.05	2.11
	20	3370	1642	20	23.5	2.81
2400	10	1572	764	10	18.45	1.53
	15	2616	1274	15	22.5	2.3
	20	3677	1791	20	26.3	3.07
2600	10	1703	827	10	19.7	1.66
	15	2834	1381	15	24	2.49
	20	3983	1940	20	28.05	3.33
2800	10	1834	891	10	20.85	1.79
	15	3052	1487	15	25.45	2.69
	20	4290	2090	20	29.85	3.58
3000	10	1965	955	10	22.1	1.92
	15	3270	1593	15	26.9	2.88
	20	4596	2239	20	31.6	3.84

EN442 output at 20°C room temperature

HEIGHT 300 FS - OUTPUT TABLES

TECHNICAL INFO

TEMF.030 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMF.030 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts	Watts	Watts	Weight	Water	Weight	Water	Fan	Noise Level
	75/65	55/45	45/38		Content		Content	(Number)	dB(A)
11	N/A	N/A	N/A	5.9	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	7.2	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	8.1	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	6.7	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	8.0	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	9.2	0.63	N/A	N/A	N/A	N/A
11	973	584	418	7.4	0.38	8.5	0.73	1 DBEU.10	29.0
16	1368	821	588	8.9	0.56	10.7	1.07	1 DBEU.15	27.0
21	1649	989	709	10.2	0.75	12.1	1.43	1 DBEU.15	27.0
11	1085	651	467	8.2	0.44	9.4	0.86	1 DBEU.10	29.0
16	1516	910	652	9.8	0.66	11.8	1.26	1 DBEU.15	27.0
21	1844	1106	793	11.3	0.88	13.4	1.68	1 DBEU.15	27.0
11	1197	718	515	8.9	0.50	10.2	0.99	1 DBEU.10	29.0
16	1664	998	716	10.7	0.76	13.0	1.46	1 DBEU.15	27.0
21	2038	1223	876	12.2	1.01	14.7	1.96	1 DBEU.15	27.0
11	1609	965	692	9.7	0.57	11.2	1.12	2 DBEU.10	32.0
16	2292	1375	986	11.6	0.86	14.4	1.65	2 DBEU.15	30.0
21	2713	1628	1167	13.4	1.14	16.4	2.21	2 DBEU.15	30.0
11	1721	1033	740	10.4	0.63	12.1	1.25	2 DBEU.10	32.0
16	2440	1464	1049	12.4	0.95	15.3	1.85	2 DBEU.15	30.0
21	2908	1745	1250	14.3	1.27	17.4	2.46	2 DBEU.15	30.0
11	1833	1100	788	11.2	0.69	13.1	1.38	2 DBEU.10	32.0
16	2588	1553	1113	13.4	1.05	16.3	2.04	2 DBEU.15	30.0
21	3103	1862	1334	15.4	1.39	18.7	2.72	2 DBEU.15	30.0
11	1945	1167	836	12.0	0.76	14.1	1.50	2 DBEU.10	32.0
16	2736	1642	1176	14.3	1.14	17.5	2.22	2 DBEU.15	30.0
21	3298	1979	1418	16.5	1.52	20.1	2.97	2 DBEU.15	30.0
11	2169	1301	933	14.4	0.89	16.9	1.76	2 DBEU.10	32.0
16	3032	1819	1304	17.1	1.34	21.6	2.62	2 DBEU.15	30.0
21	3687	2212	1585	19.6	1.78	25.1	3.49	2 DBEU.15	30.0
11	2994	1796	1287	15.9	1.02	18.7	2.02	4 DBEU.10	35.0
16	4288	2573	1844	18.9	1.53	23.3	3.00	4 DBEU.15	33.0
21	5037	3022	2166	21.7	2.04	26.8	4.01	4 DBEU.15	33.0
11	3218	1931	1384	17.4	1.14	20.4	2.27	4 DBEU.10	35.0
16	4584	2750	1971	20.7	1.73	25.1	3.38	4 DBEU.15	33.0
21	5426	3256	2333	23.7	2.30	29.4	4.51	4 DBEU.15	33.0
11	3442	2065	1480	18.9	1.27	22.3	2.54	4 DBEU.10	35.0
16	4880	2928	2098	22.5	1.92	27.0	3.78	4 DBEU.15	33.0
21	5816	3490	2501	25.8	2.56	32.1	5.03	4 DBEU.15	33.0
11	3666	2200	1576	20.4	1.40	24.0	2.79	4 DBEU.10	35.0
16	5176	3106	2226	24.2	2.11	29.0	4.16	4 DBEU.15	33.0
21	6206	3724	2669	27.9	2.81	34.7	5.55	4 DBEU.15	33.0
11	4490	2694	1931	22.8	1.53	26.8	3.04	6 DBEU.10	36.8
16	6432	3859	2766	27.1	2.30	32.3	4.53	6 DBEU.15	34.8
21	7555	4533	3249	31.1	3.07	38.4	6.05	6 DBEU.15	34.8
11	4715	2829	2027	24.4	1.66	28.7	3.31	6 DBEU.10	36.8
16	6728	4037	2893	28.9	2.49	34.6	4.93	6 DBEU.15	34.8
21	7945	4767	3416	33.2	3.33	41.1	6.57	6 DBEU.15	34.8
11	4939	2963	2124	25.8	1.79	30.4	3.56	6 DBEU.10	36.8
16	7024	4214	3020	30.7	2.69	36.6	5.31	6 DBEU.15	34.8
21	8334	5000	3584	35.3	3.58	43.8	7.09	6 DBEU.15	34.8
11	5163	3098	2220	27.3	1.92	32.3	3.82	6 DBEU.10	36.8
16	7320	4392	3148	32.5	2.88	38.9	5.70	6 DBEU.15	34.8
21	8724	5234	3751	37.3	3.84	46.5	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 400 FS - OUTPUT TABLES

TEMF.040 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMF.040 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts	Watts	Watts	Weight	Water	Weight	Water	Fan	Noise Level
	75/65	55/45	45/38		Content		Content	(Number)	dB(A)
11	N/A	N/A	N/A	7.0	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	8.4	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	9.5	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	7.9	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	9.4	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	10.8	0.63	N/A	N/A	N/A	N/A
11	1058	635	455	8.9	0.38	10.0	0.73	1 DBEU.10	29.0
16	1500	900	645	10.4	0.56	12.2	1.07	1 DBEU.15	27.0
21	1844	1106	793	11.9	0.75	13.8	1.43	1 DBEU.15	27.0
11	1185	711	510	9.8	0.44	11.0	0.86	1 DBEU.10	29.0
16	1670	1002	718	11.6	0.66	13.5	1.26	1 DBEU.15	27.0
21	2072	1243	891	13.1	0.88	15.2	1.68	1 DBEU.15	27.0
11	1311	787	564	10.6	0.50	12.0	0.99	1 DBEU.10	29.0
16	1840	1104	791	12.5	0.76	14.8	1.46	1 DBEU.15	27.0
21	2299	1379	989	14.2	1.01	16.7	1.96	1 DBEU.15	27.0
11	1738	1043	747	11.6	0.57	13.1	1.12	2 DBEU.10	32.0
16	2490	1494	1071	13.6	0.86	16.4	1.65	2 DBEU.15	30.0
21	3007	1804	1293	15.5	1.14	18.5	2.21	2 DBEU.15	30.0
11	1864	1118	802	12.4	0.63	14.1	1.25	2 DBEU.10	32.0
16	2660	1596	1144	14.6	0.95	17.5	1.85	2 DBEU.15	30.0
21	3234	1940	1391	16.6	1.27	19.7	2.46	2 DBEU.15	30.0
11	1990	1194	856	13.3	0.69	15.3	1.38	2 DBEU.10	32.0
16	2830	1698	1217	15.7	1.05	18.6	2.04	2 DBEU.15	30.0
21	3461	2077	1488	17.9	1.39	21.2	2.72	2 DBEU.15	30.0
11	2117	1270	910	14.3	0.76	16.4	1.50	2 DBEU.10	32.0
16	3000	1800	1290	16.8	1.14	20.0	2.22	2 DBEU.15	30.0
21	3689	2213	1586	19.1	1.52	22.7	2.97	2 DBEU.15	30.0
11	2370	1422	1019	17.1	0.89	19.7	1.76	2 DBEU.10	32.0
16	3340	2004	1436	20.0	1.34	24.5	2.62	2 DBEU.15	30.0
21	4144	2486	1782	22.7	1.78	28.2	3.49	2 DBEU.15	30.0
11	3222	1933	1385	18.9	1.02	21.7	2.02	4 DBEU.10	35.0
16	4640	2784	1995	22.1	1.53	26.5	3.00	4 DBEU.15	33.0
21	5558	3335	2390	25.1	2.04	30.2	4.01	4 DBEU.15	33.0
11	3475	2085	1494	20.7	1.14	23.8	2.27	4 DBEU.10	35.0
16	4980	2988	2141	24.2	1.73	28.7	3.38	4 DBEU.15	33.0
21	6013	3608	2586	27.4	2.30	33.1	4.51	4 DBEU.15	33.0
11	3728	2237	1603	22.5	1.27	25.9	2.54	4 DBEU.10	35.0
16	5320	3192	2288	26.3	1.92	30.8	3.78	4 DBEU.15	33.0
21	6468	3881	2781	29.8	2.56	36.1	5.03	4 DBEU.15	33.0
11	3981	2389	1712	24.3	1.40	28.0	2.79	4 DBEU.10	35.0
16	5660	3396	2434	28.4	2.11	33.2	4.16	4 DBEU.15	33.0
21	6923	4154	2977	32.2	2.81	39.0	5.55	4 DBEU.15	33.0
11	4834	2900	2079	27.2	1.53	31.2	3.04	6 DBEU.10	36.8
16	6960	4176	2993	31.7	2.30	36.8	4.53	6 DBEU.15	34.8
21	8338	5003	3585	35.9	3.07	43.2	6.05	6 DBEU.15	34.8
11	5086	3052	2187	29.0	1.66	33.4	3.31	6 DBEU.10	36.8
16	7300	4380	3139	33.8	2.49	39.4	4.93	6 DBEU.15	34.8
21	8792	5275	3781	38.3	3.33	46.2	6.57	6 DBEU.15	34.8
11	5339	3203	2296	30.8	1.79	35.4	3.56	6 DBEU.10	36.8
16	7640	4584	3285	35.8	2.69	41.7	5.31	6 DBEU.15	34.8
21	9247	5548	3976	40.7	3.58	49.2	7.09	6 DBEU.15	34.8
11	5592	3355	2405	32.6	1.92	37.6	3.82	6 DBEU.10	36.8
16	7980	4788	3431	37.9	2.88	44.3	5.70	6 DBEU.15	34.8
21	9702	5821	4172	43.0	3.84	52.2	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature

HEIGHT 500 FS - OUTPUT TABLES

TECHNICAL INFO

TEMF.050 LLL TT.XXX

Length mm	STANDARD			TWIN		
	Type	Watts	Watts	Type	Watts	Watts
		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

TEMF.050 LLL TT.XXX/DBE

WITH DBE				STANDARD		TWIN & TWIN WITH DBE			
Type	Watts	Watts	Watts	Weight	Water	Weight	Water	Fan	Noise Level
	75/65	55/45	45/38		Content		Content	(Number)	dB(A)
11	N/A	N/A	N/A	8.1	0.25	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	9.6	0.38	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	10.9	0.50	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	9.2	0.31	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	10.8	0.47	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	12.3	0.63	N/A	N/A	N/A	N/A
11	1132	679	487	10.2	0.38	11.3	0.73	1 DBEU.10	29.0
16	1619	971	696	12.0	0.56	13.8	1.07	1 DBEU.15	27.0
21	2029	1217	872	13.5	0.75	15.4	1.43	1 DBEU.15	27.0
11	1270	762	546	11.3	0.44	12.5	0.86	1 DBEU.10	29.0
16	1809	1085	778	13.3	0.66	15.2	1.26	1 DBEU.15	27.0
21	2287	1372	983	15.0	0.88	17.1	1.68	1 DBEU.15	27.0
11	1409	845	606	12.4	0.50	13.7	0.99	1 DBEU.10	29.0
16	1998	1199	859	14.3	0.76	16.6	1.46	1 DBEU.15	27.0
21	2546	1528	1095	16.2	1.01	18.7	1.96	1 DBEU.15	27.0
11	1847	1108	794	13.4	0.57	15.0	1.12	2 DBEU.10	32.0
16	2668	1601	1147	15.6	0.86	18.4	1.65	2 DBEU.15	30.0
21	3284	1970	1412	17.7	1.14	20.7	2.21	2 DBEU.15	30.0
11	1986	1192	854	14.4	0.63	16.1	1.25	2 DBEU.10	32.0
16	2858	1715	1229	16.7	0.95	19.6	1.85	2 DBEU.15	30.0
21	3542	2125	1523	18.9	1.27	22.0	2.46	2 DBEU.15	30.0
11	2125	1275	914	15.5	0.69	17.4	1.38	2 DBEU.10	32.0
16	3048	1829	1311	18.0	1.05	20.9	2.04	2 DBEU.15	30.0
21	3800	2280	1634	20.3	1.39	23.6	2.72	2 DBEU.15	30.0
11	2263	1358	973	16.6	0.76	18.7	1.50	2 DBEU.10	32.0
16	3238	1943	1392	19.2	1.14	22.4	2.22	2 DBEU.15	30.0
21	4058	2435	1745	21.7	1.52	25.3	2.97	2 DBEU.15	30.0
11	2540	1524	1092	19.9	0.89	22.4	1.76	2 DBEU.10	32.0
16	3617	2170	1555	23.0	1.34	27.4	2.62	2 DBEU.15	30.0
21	4575	2745	1967	25.8	1.78	31.3	3.49	2 DBEU.15	30.0
11	3418	2051	1470	21.9	1.02	24.7	2.02	4 DBEU.10	35.0
16	4957	2974	2132	25.4	1.53	29.7	3.00	4 DBEU.15	33.0
21	6051	3631	2602	28.5	2.04	33.6	4.01	4 DBEU.15	33.0
11	3695	2217	1589	24.1	1.14	27.1	2.27	4 DBEU.10	35.0
16	5336	3202	2294	27.7	1.73	32.1	3.38	4 DBEU.15	33.0
21	6568	3941	2824	31.1	2.30	36.8	4.51	4 DBEU.15	33.0
11	3972	2383	1708	26.1	1.27	29.5	2.54	4 DBEU.10	35.0
16	5716	3430	2458	30.1	1.92	34.6	3.78	4 DBEU.15	33.0
21	7084	4250	3046	33.8	2.56	40.1	5.03	4 DBEU.15	33.0
11	4249	2549	1827	28.3	1.40	31.9	2.79	4 DBEU.10	35.0
16	6096	3658	2621	32.4	2.11	37.2	4.16	4 DBEU.15	33.0
21	7600	4560	3268	36.5	2.81	43.3	5.55	4 DBEU.15	33.0
11	5126	3076	2204	31.6	1.53	35.5	3.04	6 DBEU.10	36.8
16	7435	4461	3197	36.3	2.30	41.4	4.53	6 DBEU.15	34.8
21	9077	5446	3903	40.7	3.07	48.0	6.05	6 DBEU.15	34.8
11	5404	3242	2324	33.7	1.66	38.0	3.31	6 DBEU.10	36.8
16	7815	4689	3360	38.6	2.49	44.2	4.93	6 DBEU.15	34.8
21	9593	5756	4125	43.4	3.33	51.3	6.57	6 DBEU.15	34.8
11	5681	3409	2443	35.8	1.79	40.3	3.56	6 DBEU.10	36.8
16	8194	4916	3523	41.0	2.69	46.9	5.31	6 DBEU.15	34.8
21	10110	6066	4347	46.1	3.58	54.6	7.09	6 DBEU.15	34.8
11	5958	3575	2562	37.8	1.92	42.7	3.82	6 DBEU.10	36.8
16	8574	5144	3687	43.4	2.88	49.8	5.70	6 DBEU.15	34.8
21	10626	6376	4569	48.8	3.84	58.0	7.61	6 DBEU.15	34.8

EN442 output at 20°C room temperature



DURATION OF THE GUARANTEE



Type equipment	Low-H ₂ O heat exchanger	Electric spare parts	Other spare parts
Tempo	30 years	---	10 years
tempo DBE	30 years	2 years	10 years
DBE unit	---	2 years	---
Valves for Low-H ₂ O heat exchangers	---	---	3 years

Full Guarantee and Conditions of Sales available on request.

DELIVERY

Our radiators are delivered in easy to handle compact packaging.

Standard delivery:

- Low-H₂O heat exchanger with cutouts for valves, fixing kit, extended air vent 1/8" and drain plug 1/2"
- cover plate in white effect for the side panel at the opposite end from the valve

Delivery with (optional) DBE:

- number of DBE unit(s) varies according to the length
- operation, control and power supply 12VDC
- mounting instructions included
- fan units packed separately for ease of handling



OXYGEN

DEMAND CONTROLLED HEATING & MECHANICAL VENTILATION

Jaga Oxygen works alongside our Low-H₂O radiators to deliver an energy-efficient, intelligent and fully programmable heating and ventilation solution.

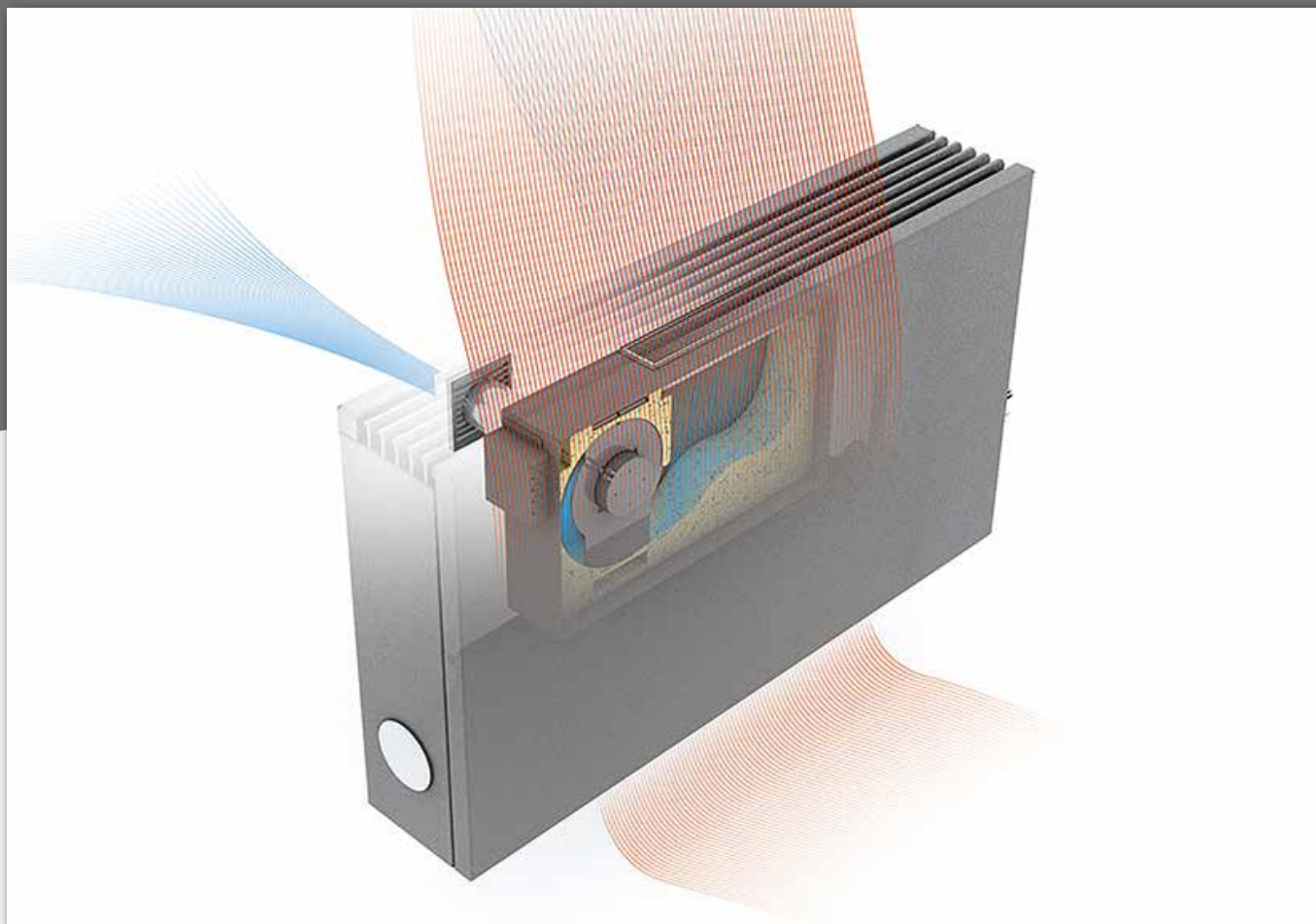
This supply and extract system brings in fresh air at low-levels and extracts stale room air at high-levels creating optimal air movement, ensuring optimum indoor air quality (IAQ).

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.



*BUILDING
BRIDGES*





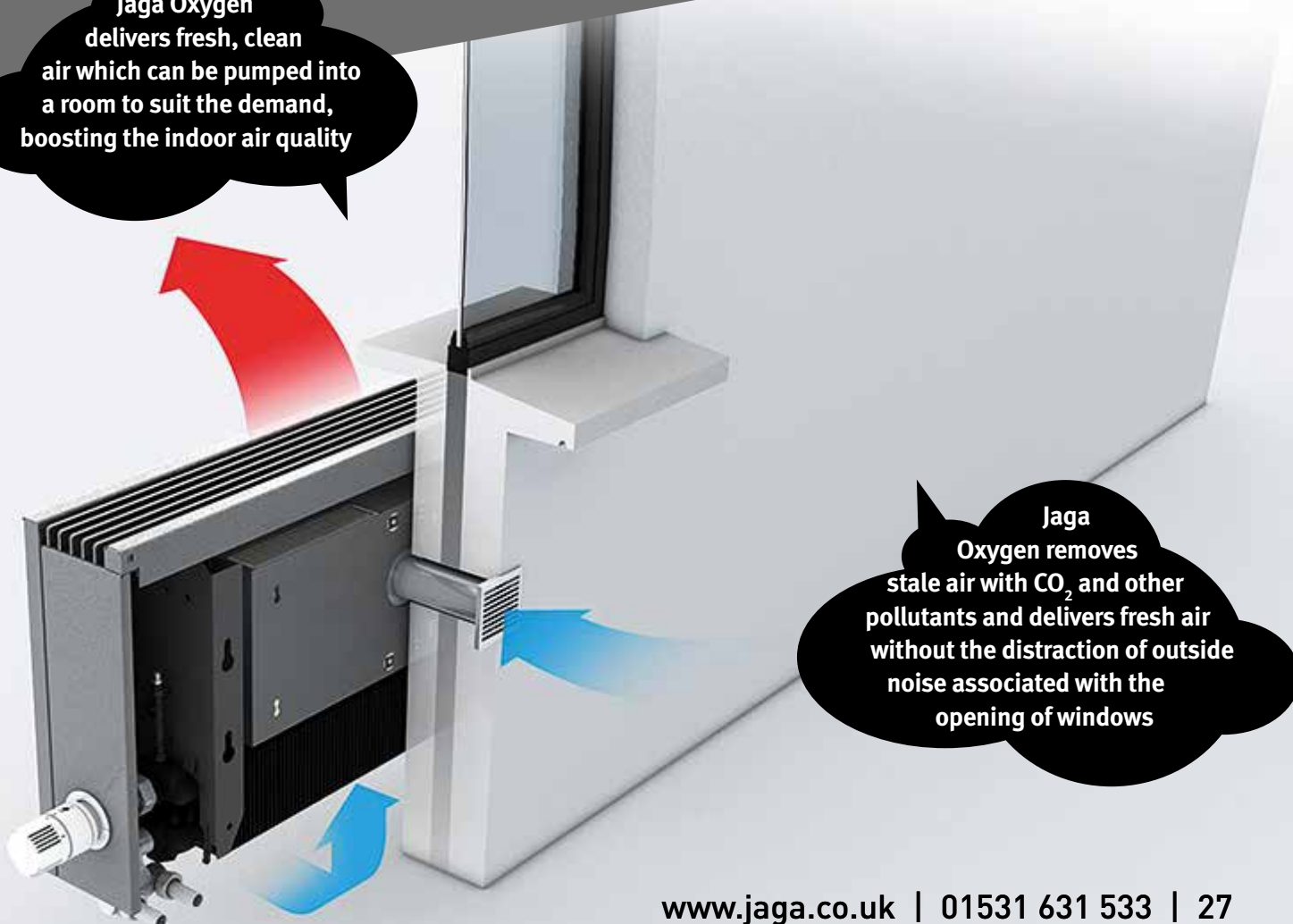
WHY CHOOSE DEMAND CONTROLLED MECHANICAL VENTILATION?

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. CO₂ 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:

- CO₂ 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



Jaga Oxygen delivers fresh, clean air which can be pumped into a room to suit the demand, boosting the indoor air quality

Jaga Oxygen removes stale air with CO₂ and other pollutants and delivers fresh air without the distraction of outside noise associated with the opening of windows

TEMPO LST CONTINUOUS



CREATE
EMOTION

CONTINUOUS CASING **FROM WALL-TO-WALL** BASED ON THE TEMPO LST CASING.

Jaga's innovative 'click' system allows for assembly of all components without tools. Suitable for a range of applications no matter how large or small.

With Jaga Continuous Tempo LST heights start from 200mm increasing in 100mm increments up to a recommended maximum height of 700mm. Lengths are made up of standard Tempo casings ranging from 400mm up to 3000mm with joining strips to make bespoke runs, that can include sections with no elements going into the casings for aesthetic or heat load requirements.

JAGA TEMPO LST CONTINUOUS OPTIONS & FEATURES:

- Brackets with cut outs for pipe work (subject to height and element type)
- Wall to wall casings for aesthetic appearance.
- Can be made up of active and inactive units.
- Internal & external corner sections
- Split deliveries available of elements & brackets with casings to follow
- A full site survey by a Jaga product specialist to site measure and offer advice can be arranged.



TEMPO LST ■ 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.

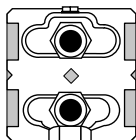
CORRECTION FACTORS - TEMPO LST WITH DBE

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

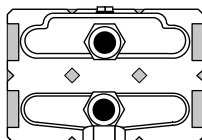
Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.56	0.67	0.76	0.84	0.92	0.99	1.05	1.11	1.17	1.24	1.29	1.34	1.39
	20		0.49	0.62	0.71	0.80	0.87	0.94	1.01	1.07	1.13	1.20	1.25	1.30	1.35
	22		0.42	0.56	0.66	0.75	0.83	0.90	0.97	1.03	1.09	1.16	1.21	1.26	1.31
	24		0.31	0.50	0.61	0.71	0.79	0.86	0.93	0.99	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.

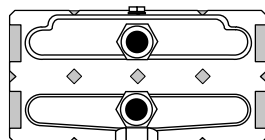
TEMPO LST ■ HEAT EXCHANGERS OVERVIEW & PRESSURE DROP



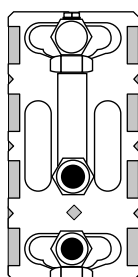
Type 10



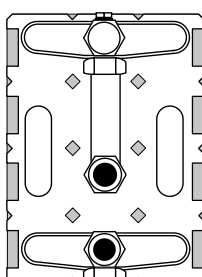
Type 15



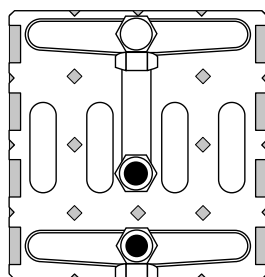
Type 20



Type 11



Type 16



Type 21

TO CALCULATE FLOW RATE:

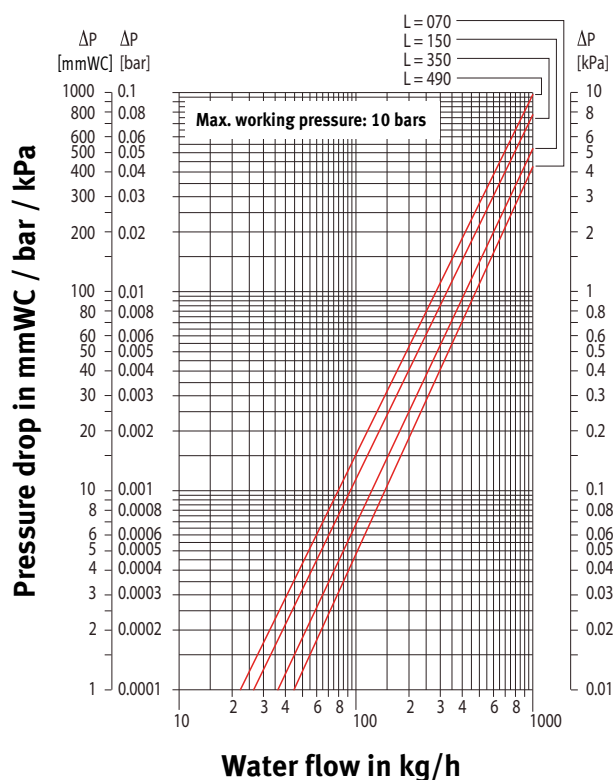
$$\frac{\text{Corrected output [Watts]} \times 3600}{\text{Specific heat capacity [J/kg.}^\circ\text{C]} \times [\text{flow temp} - \text{return temp}]}$$

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

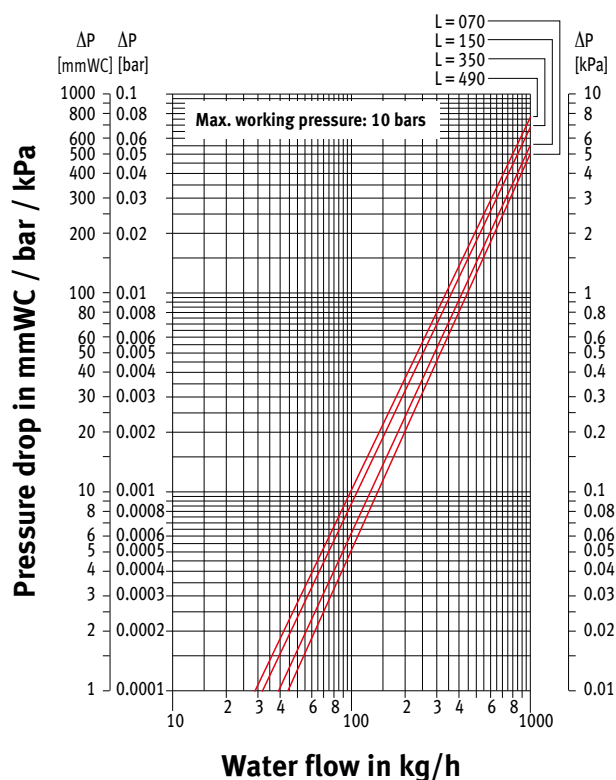
e.g. for a radiator with a 1000 Watt output with
a flow temp of 70°C and a return temp of 50°C.

$$\text{Mass flow} = \frac{1000 \times 3600}{4187 \times (70 - 50)} = 42.99 \text{ kg/hr}$$

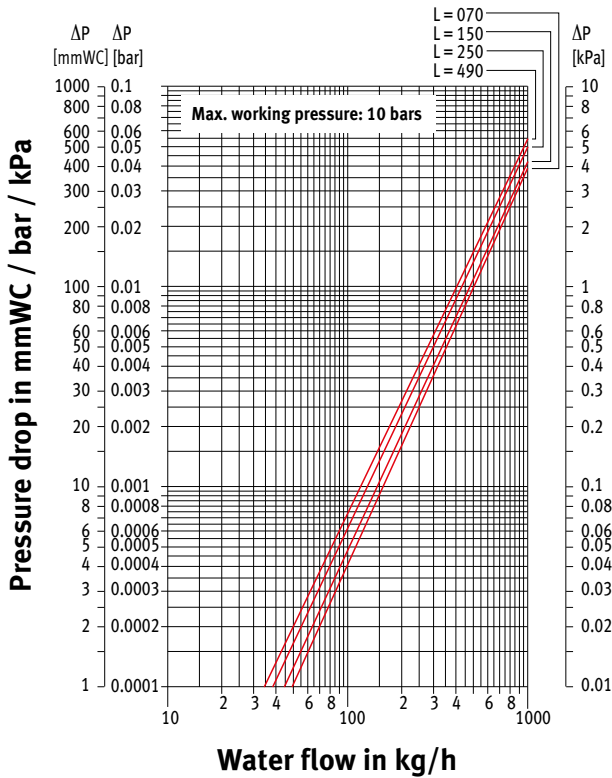
PRESSURE DROP TYPE 10



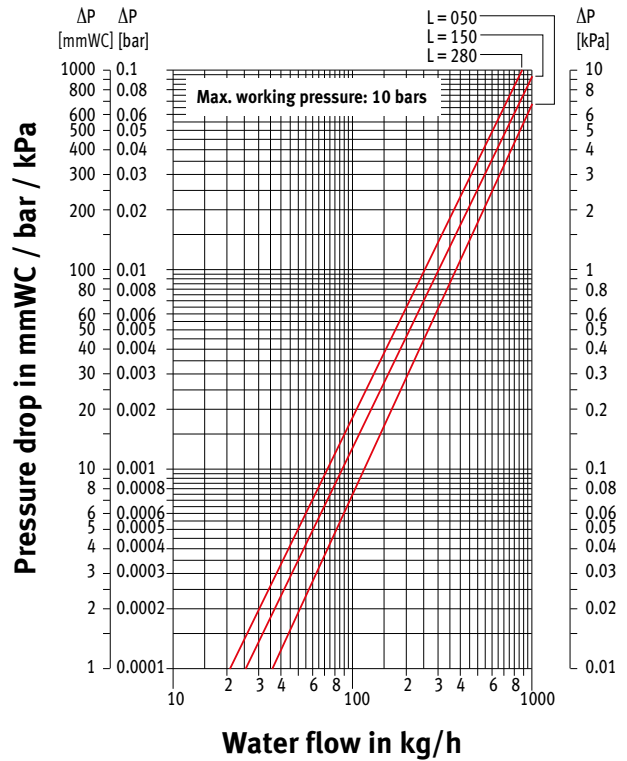
PRESSURE DROP TYPE 15



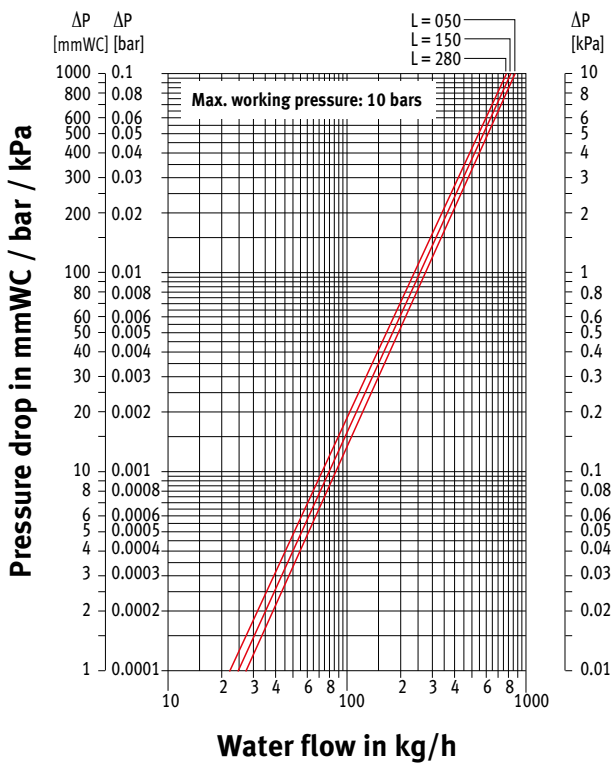
PRESSURE DROP TYPE 20



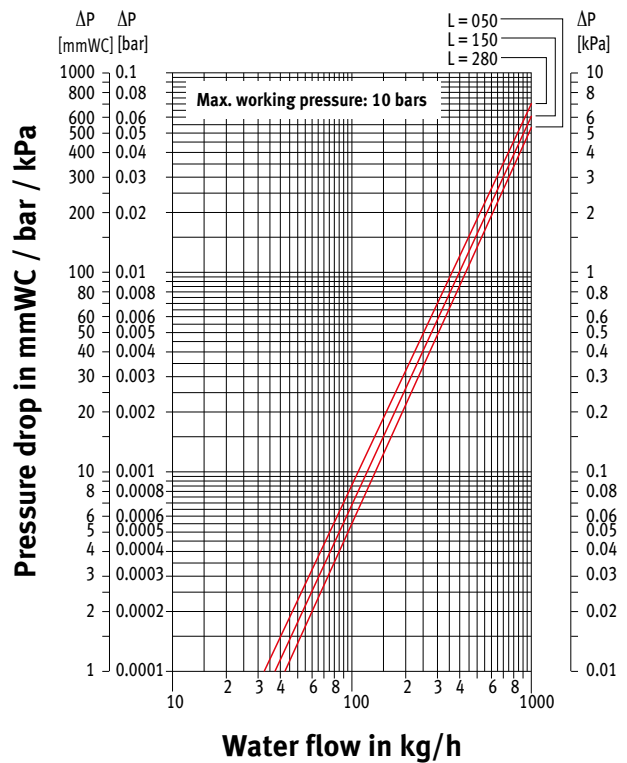
PRESSURE DROP TYPE 11



PRESSURE DROP TYPE 16



PRESSURE DROP TYPE 21





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"

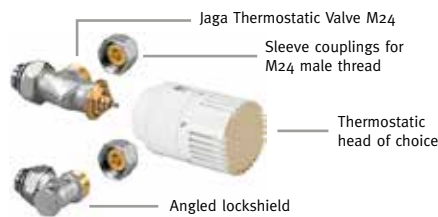
Please note other couplings are available on request.

JAGA PRO THERMOSTATIC VALVE



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

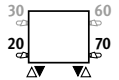
JAGA THERMOSTATIC VALVE – WALL



Consists of the following :

- 5090.407 type o6 angled TRV
- 5090.111 type o6 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

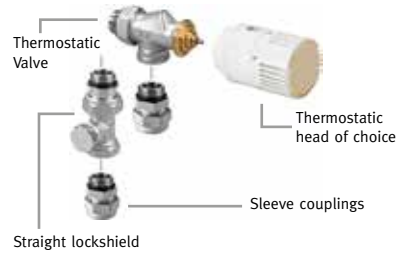
CODE	Tube Ø
5098.110	10/1
5098.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.502	1/2"

Please note other couplings are available on request.

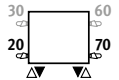
JAGA THERMOSTATIC VALVE – FLOOR



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).



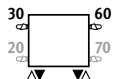
HIGH LEVEL JAGA TOP VALVE



Consists of the following :

- 5090.13001 High Level TRV set (including valve, capillary & head).
- 5090.109 straight lockshield valve
- 5090.110 angled lockshield valve
- 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



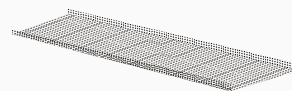
CODE
5090.1150



CODE
5090.1152

PENCIL PROOF GRILLE

Same colour as casing.



CODE	Height	Length	Type
5606 000	050*	10*	

*to suit casing length and type

ARTHRITIC AID



CODE
5090.ARTH



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-H₂O 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-H₂O 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-H₂O radiators reduce the CO₂ emissions of an average house by about 1000 kg."



RESPECT
NATURE

*Ban Ki-Moon,
Former Secretary General
of the UN

JAGA LOW-H₂O RADIATORS REDUCE WASTE

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 ₂ O 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, the less adverse impact on the environment. Jaga Low-H₂O radiators score significantly better than other radiators or heating systems.

BEST LCA - SCORE



OTHER PRODUCTS

WALL MOUNTED



PLAY



KNOCKONWOOD



STRADA



LINEA PLUS

INSTALLATION IN
A WALL RECESS



MINI WALL



BRIZA

OXYGEN



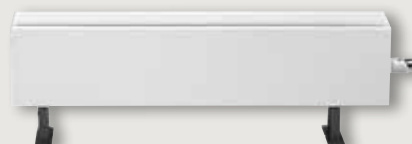
JAGA'S OXYGEN SYSTEM WORKS WITH ANY OF OUR LOW SURFACE TEMPERATURE (LST) AND WALL-MOUNTED PRODUCTS.

FREESTANDING



KNOCKONWOOD DBE

LINEA PLUS



MINI



MINI DBE

LOW SURFACE TEMPERATURE (LST)



GUARDIAN LST
(AVAILABLE IN WALL
AND FLOOR MODELS)



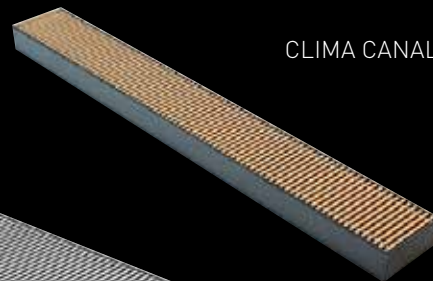
MAXI 2020 LST
(AVAILABLE IN WALL
AND FLOOR MODELS)

PANEL PLUS

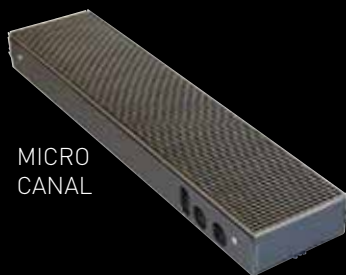


TRENCH HEATING

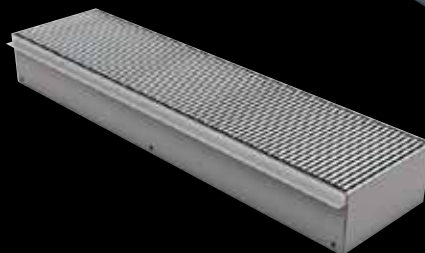
CLIMA CANAL



MICRO
CANAL



QUATRO CANAL



MINI CANAL
DBE



GEO



VERTIGA



TETRA



DECO
PANEL



DESIGNER

HEATWAVE



ORECA
CROSSROADS



IGUANA &
IGUANA PLUS



ORECA
MOON



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



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

AT
HEA
CRI

Jaga UK's HVAC products are available and running challenges solution.

This CPD aims to help engineers and the know

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



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



BUILDING
BRIDGES

THE END OF THE LINE... HEAT EMITTER SELECTION CRITERIA

One-hour Heat Emitter CPD seminar is designed to keep professionals up-to-date with the choice of heat emitters. We look at their effect on the energy performance and costs of the building before exploring in-depth the challenges faced in designing the most appropriate heating

seminars to address some of the issues that building service engineers and designers can face when looking at heat emitters and the effect of the chosen selection.

seminars are accredited by CIBSE, and can be held at a venue of your choice.

CONTENT OF CPD:

- The basics covering heat sources & distribution
- Regulations: building and specific regulations for different buildings
- The types of heat emitters available
- Looking at combined approaches
- Designing the best solution



For CPD Coordinator on the details below:
01531 631 533 - email us @ cpd@jaga.co.uk
or cpd-seminar-request

Jaga runs accredited CIBSE and RIBA Continuous 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/

jaga
CLIMATE DESIGNERS

TRENCH & PERIMETER HEATING

Jaga UK's one-hour Facade Heating CPD-certified seminars is designed to keep HVAC professionals abreast of recent advances in facade heating techniques before exploring, in depth, the challenges faced by building services engineers in designing the most appropriate solution.

The seminar addresses current practices whilst helping design engineers to identify technical solutions and harness the benefits of the latest natural and fan-assisted trench and perimeter heating systems.

Jaga UK CPD seminars are accredited by CIBSE, and can be held at a venue of your choice.

CONTENT OF CPD:

- Design considerations for trench heating
- Influences of trench configuration
- When to use low level floor mounted heating
- Working with renewable energy sources
- Calculating heat outputs
- Case studies of recent facade heating projects
- EN16430 legislation
- Design & performance criteria



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

NOTES



Award winning Low-H₂O technology



Wide range of sizes with a choice of designs



Outstanding performance with low temperature systems



Valve options can be concealed in casing



No radiant heat loss to the wall



In stock, fast delivery



Split deliveries

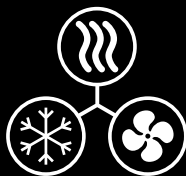


BIM files available

jaga

CLIMATE DESIGNERS

www.jaga.co.uk



Climate Designers -
Heating, Cooling
and Ventilation

Jaga UK

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Jaga NV

Verbindingslaan 16
B-3590 Diepenbeek
Tel: +32 11 29 41 11
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.

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