jaga
CLIMATE DESIGNERS

Heating

Light cooling

Breeze

STRADA AND STRADA HYBRID

LOW WATER CONTENT RADIATOR FOR HEATING AND COOLING

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CLIMATE DESIGNERS

Climate change and evolution of construction techniques demand new ecological solutions for heating, cooling and ventilation.

New technologies have to consume far less energy. They have to ensure a better indoor climate without damaging the outdoor climate. Traditional systems with fire and carbon emissions have to be extinguished. We have to evolve towards a green flame and build a sustainable path towards a better future. Choosing the sustainable path is no longer a matter of choice, it's an obligation.

Always honouring its values, Jaga Climate Designers continually look for the most ecological solutions for heating, cooling and ventilation.

THE GO-TO COMPANY FOR DYNAMIC HEATING AND COOLING CONVECTORS THAT OPTIMISE RENEWABLE ENERGY

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STRADA

Warmth and efficiency with cutting-edge design

- Slimline, contemporary design radiator that is discreet and enhances any room.
- The sustainable choice, less material, fast to respond, highly efficient and recyclable.
- Compact size and high power output using low water content (Low-H2O) heat exchanger technology.
- Ideally suited to renewable energy systems with low flow water temperature.
- Safe-to-touch casing in standard white and grey colours, with other colour options and finishes also available.
- Can offer cooling via Jaga's Dynamic Boost Hybrid (DBH) technology and ventilation via Jaga's oXygen system.

UK CA

STRADA

LOW-H_2O: LIGHTER, FASTER, MORE EFFICIENT

THE **LOW WATER CONTENT** RADIATOR

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

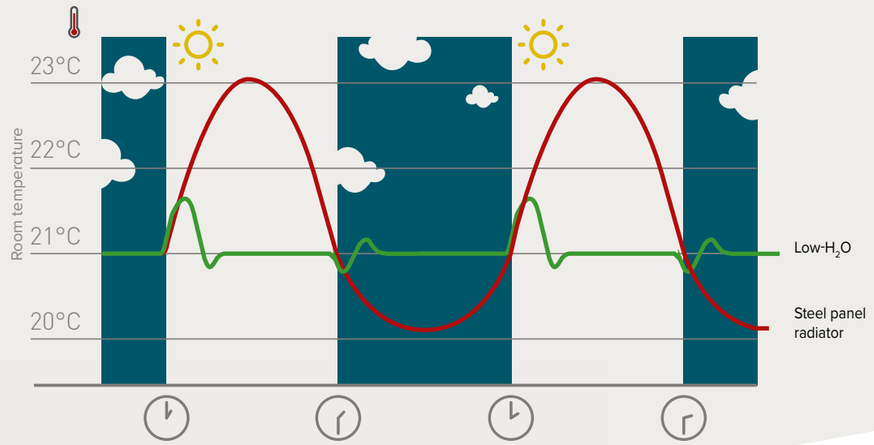
The ultra-modern aluminium and copper heat exchanger, which comes with a 30 year guarantee, provides rapid, energy-efficient heat to any space.

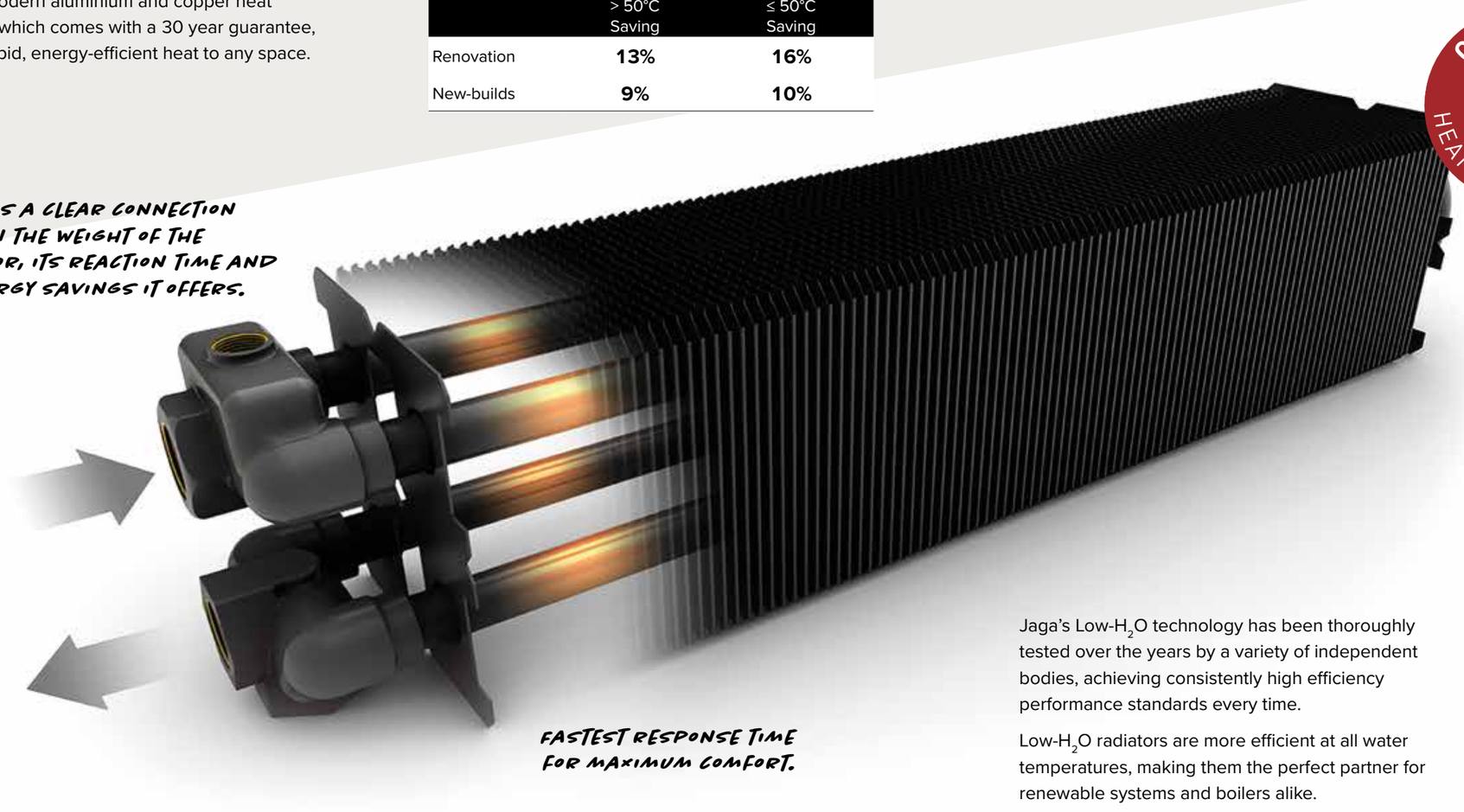
Research by Dutch certification and testing body, KIWA, shows that Low-H_2O radiators consume between 9 and 16%* less energy than a system with steel panel radiators. They achieve the desired temperature faster with less heat wasted through unnecessary over-heating, common in heavier radiators.

Comparison Low-H2O/panel radiators

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

COMPARISON OF RESPONSE TIME TO TEMPERATURE CHANGES





THERE IS A CLEAR CONNECTION BETWEEN THE WEIGHT OF THE RADIATOR, ITS REACTION TIME AND THE ENERGY SAVINGS IT OFFERS.

FASTEST RESPONSE TIME FOR MAXIMUM COMFORT.

Jaga's Low-H_2O technology has been thoroughly tested over the years by a variety of independent bodies, achieving 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.

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CLIMATE DESIGNERS

STRADA HYBRID

The only radiator that provides heating, cooling and ventilation

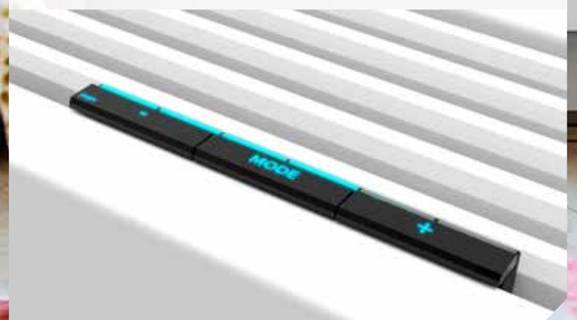
Always leading the way in sustainable HVAC innovation, Jaga has developed pioneering technology with Dynamic Boost Hybrid (DBH).

DBH provides high outputs with all water temperatures, hot and cold, making it perfectly suited to heat pumps and other renewable energy systems.

DBH is an enhanced version of Jaga's former Dynamic Boost Effect (DBE) technology, utilising small electric activators inside the unit to significantly boost output. But with the added benefit of providing light cooling.

- All the benefits of Strada, but even more compact and more powerful with DBH.
- The ultimate radiator solution for low flow temperatures associated with renewable energy technology.
- Low-cost light cooling when used with reverse cycle heat pumps providing cooled water.
- Breeze functionality offering ambient air circulation.

UK CA



DYNAMIC BOOST HYBRID

STRADA HYBRID

DBH: DOUBLE OUTPUTS + COOLING WITH HEAT PUMPS

ONE **ECO FRIENDLY** SOLUTION

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 DBH 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.

- Efficient and effortless heating with heat pumps and low temperature boilers.
- Suitable for environmentally friendly light cooling (non-condensing) in combination with any heat pump that can supply cooling water.
- Easy installation on almost all new and existing Jaga Low-H_2O heating units.

THE SAME OUTPUT AT ALMOST HALF THE SIZE OF A STEEL PANEL RADIATOR

Jaga Strada Hybrid T11
Size: 50 cm x 100 cm
Output: 1173 Watts*
Weight: 16.7 kg
Water content: 1.3 litres

Steel Panel Heater
Size: 70 cm x 180 cm
Output: 1210 Watts
Weight: 73 kg
Water content: 13.7 litres

Based on conditions of 45/40/20

** maximum heat capacity*

Heating

Cooling

Breeze

INTELLIGENT OPERATION

DBH has a simple control panel to adjust settings and modes, with automatically dimming coloured LED lights to indicate the selected setting.

There are three alternative configurations set at time of order: TPT (Temperature control) (default), ACO (Auto-changeover), BMS (Building Management System control).

TPT configuration (default): mode button can be used to switch between Heating and Cooling modes.

- Thermal activators run once the water temperature is above set-point (28°C default) and the measured room temperature is below the set-point, speeding up and slowing to achieve the desired room temperature.
- Boost mode can be activated where thermal activators run at max. speed for 15 minutes.

ACO configuration: mode button can be used to switch between Heating, Cooling and Breeze modes.

- Thermal activators run based on water temperature and chosen fixed speed.
- Breeze mode can be selected whereby the thermal activators operate independently of water temperature.

BMS configuration:

- DBH can be connected to an external controller, such as BMS or room thermostat to control thermal activator speed and changeover remotely. Please contact Jaga's technical team for more information.

FAQs

WHAT IS JAGA LIGHT COOLING ?

Light cooling (also referred to as 'non-condensing cooling') is a form of gentle cooling whereby the water temperature is always higher than the condensing temperature (or dew point), usually around 15°C depending on weather conditions, and therefore no condensation water is formed. This is an energy-efficient way of cooling that's ideal in combination with low temperature heating.

HOW MUCH ENERGY DOES LIGHT COOLING USE ?

The energy consumption is lower than with low temperature cooling systems such as air conditioning systems, especially in combination with a ground source heat pump.

WHAT MAKES JAGA THE SUSTAINABLE CHOICE?

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. One of Jaga's company values is to respect nature, and this is at the heart of everything we do.

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 are highly efficient, long-life materials, and crucuially, they are always fully recyclable. The use of these materials contributes to an improved LCA score.

"Low-H_2O radiators reduce the CO_2 emissions of an average house by about 1000 kg."

JAGA LOW-H_2O RADIATORS REDUCE WASTE

BEST LCA SCORE

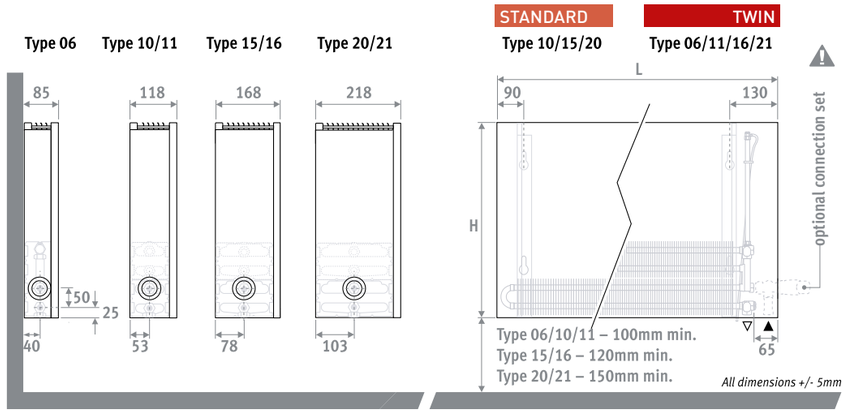
Life cycle analysis (LCA) according to the Ovam Ecolizer database and weight.
Example for a 10 kW heating system, 45/35/20 temperature profile.

	Underfloor Heating	Cast Iron Radiator	Steel Panel Radiator	Jaga Low-H_2O Radiator
LCA Score	248700	248744	185853	66517
Total Weight incl. Water (kg)	6252	360	216.7	48.8

What is an LCA score?
LCA or 'Life Cycle Assessment' is a system designed to compare products and their overall impact on the environment. This looks at all processes from design, materials sourced, manufacturing, and 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 consistently score significantly better than other radiators or heating systems.

DIMENSIONS - STRADA

DIMENSIONS in mm



DELIVERY

All Stradas are made to order.

Split deliveries option available.

Please contact our customer service team to discuss your requirements.

Package includes:

- Low-H2O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2".
- Casing for connection left or right at low level.
- Cover plate in stainless steel effect for the side panel at the opposite end from the valve.

COLOURS

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

See colour chart document for full details of our standard and special colours.

CONNECTION

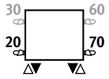
Standard connection:

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

Optional high level valve:

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

E.g. STRW.035 050 06.xxx/60



For more details, see 'Valves, TRV Heads and Accessories' on p28.

Optional remote controlled valve:

add to the code of the radiator /00.

E.g. STRW.035 050 06.xxx/00

ORDERING CODE

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

enter colour code

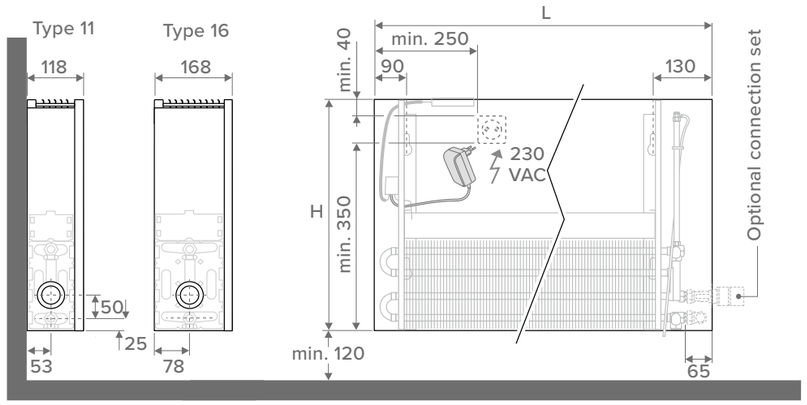
TOWEL RAIL

in chrome-plated aluminium

CODE	L
5501.001	560
5501.002	660

DIMENSIONS - STRADA HYBRID

DIMENSIONS in mm



DELIVERY

All Strada Hybrids are made to order. Split deliveries option available.

Please contact our customer service team to discuss your requirements.

Package includes:

- Low-H2O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2".
- Casing for connection left or right at low level.
- Cover plate in stainless steel effect for the side panel at the opposite end from the valve.
- Easy to install DBH unit with operation, control and 24VDC power supply.
- Clear installation instructions.

This heater is not equipped with a condensation monitor. It has to be integrated into the installation (only for cooling).

DBH UNIT 10

DBH UNIT 15

COLOURS

The DBH unit sits inside the Strada Hybrid. Therefore outer casing colour information remains the same as for standard Stradas.

ELECTRICAL CONNECTION

The DBH system requires an electrical outlet near the heating unit. If it has a height of 500mm, 650mm and 950mm an electrical outlet or power cable can be installed in the casing. If the height is 350mm, the electrical outlet must be installed external to the casing.

Do not connect the electrical and hydraulic connection to the same side of the coil.

HYDRAULIC CONNECTION

Heating

Supply/return on the bottom left or right, to the wall or floor. Wall connection via bottom or completely invisible within the cladding with valve set 225/265.

Heating and cooling

The same connections and valve sets can be used for heating and cooling as for heating only. For the valve sets, use the version with the Heimeier thermostat head HC for heating and cooling or the version with a manual valve.

OPERATION OF DBH SYSTEM

- Suitable for heating or heating + cooling.
- Noise level monitoring, officially measured according to ISO 3741:2010.
- Coloured LEDs indicate setting.
- The DBH system will not control the heat pump or the boiler and therefore cannot replace a room thermostat.

In the UK, Strada Hybrid is equipped with the DBH control in TPT mode (temperature control) by default. If you require ACO mode or BMS mode, this must be configured at time of ordering so must be included in the ordering code.

In TPT, the thermal activators run once the water temperature is above set-point (28°C default) and the measured room temperature is below the setpoint.

The room temperature set-point is selectable using the push button controller between 16°C and 26°C.

The thermal activators run at a maximum speed to achieve the equivalent noise level of 30dB(A), therefore the speed varies depending on radiator length.

The thermal activators will speed up and slow down to achieve the desired room temperature, switching off if the room temperature is achieved. The water temperature set-points and the maximum fan speed can be adjusted using the control panel.

Boost mode: can be activated by the user by pressing and holding the + button, providing the water temperature is above the set-point. The thermal activators will run at maximum speed for 15 minutes, then revert to temperature control as detailed above. If water temperature drops below set-point, the thermal activators will switch off.

Cooling mode: the aforementioned operation is reversed, the default water temperature is set to 24°C and the room temperature range is between 31°C and 21°C. For the thermal activators to operate, the water temperature must be below set-point and the room temperature must be above set-point.

ORDERING CODE

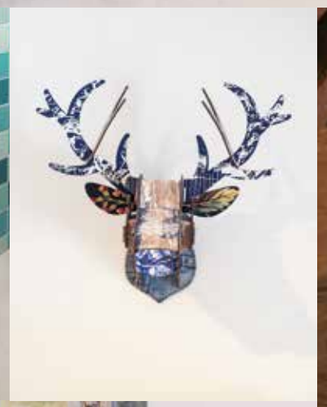
code	length	unit type		control strategy
DBHS .	060	10	/	TPT

The order code for the DBH set is made up of:

1. Order code to indicate it is a complete set – DBHS,
2. Nominal element length to which it is being fitted – 060, 070, 080, ...280,
3. Activator type – 10 or 15,
4. Control strategy – TPT, ACO or BMS.

Example – DBHS.12010/TPT = DBH set to suit 120cm long heat exchanger type 10 or 11, with temperature control strategy.

DBH to be ordered in addition to Strada to make Strada Hybrid.



PERFORMANCE - STRADA - HEIGHT 200

STRW.020 LLL TT.XXX

	SINGLE			WEIGHT	WATER CONTENT	TWIN			WEIGHT	WATER CONTENT
L	Type	Watts	Watts	kg	l	Type	Watts	Watts	kg	l
mm		75/65	55/45				75/65	55/45		
500	-	-	-	-	-	06	269	131	3.4	0.26
	10	328	159	3.8	0.33	11	-	-	-	-
	15	545	265	4.7	0.49	16	-	-	-	-
	20	766	373	5.7	0.66	21	-	-	-	-
600	-	-	-	-	-	06	323	157	4.0	0.31
	10	393	191	4.5	0.39	11	-	-	-	-
	15	654	319	5.6	0.59	16	-	-	-	-
	20	919	448	6.8	0.79	21	-	-	-	-
700	-	-	-	-	-	06	377	183	4.7	0.36
	10	459	223	5.3	0.46	11	-	-	-	-
	15	763	372	6.6	0.69	16	-	-	-	-
	20	1072	522	8.0	0.92	21	-	-	-	-
800	-	-	-	-	-	06	430	209	5.4	0.41
	10	524	255	6.0	0.52	11	-	-	-	-
	15	872	425	7.5	0.78	16	-	-	-	-
	20	1226	597	9.1	1.06	21	-	-	-	-
900	-	-	-	-	-	06	484	236	6.0	0.46
	10	590	287	6.8	0.59	11	-	-	-	-
	15	981	478	8.5	0.88	16	-	-	-	-
	20	1379	672	10.3	1.19	21	-	-	-	-
1000	-	-	-	-	-	06	538	262	6.7	0.51
	10	655	318	7.5	0.65	11	-	-	-	-
	15	1090	531	9.4	0.98	16	-	-	-	-
	20	1532	746	11.4	1.32	21	-	-	-	-
1100	-	-	-	-	-	06	592	288	7.4	0.56
	10	721	350	8.3	0.72	11	-	-	-	-
	15	1199	584	10.3	1.08	16	-	-	-	-
	20	1685	821	12.5	1.45	21	-	-	-	-
1200	-	-	-	-	-	06	646	314	8.0	0.61
	10	786	382	9.0	0.78	11	-	-	-	-
	15	1308	637	11.3	1.18	16	-	-	-	-
	20	1838	895	13.7	1.58	21	-	-	-	-
1400	-	-	-	-	-	06	753	366	9.4	0.71
	10	917	446	10.5	0.91	11	-	-	-	-
	15	1526	743	13.2	1.37	16	-	-	-	-
	20	2145	1045	16.0	1.85	21	-	-	-	-
1600	-	-	-	-	-	06	861	419	10.7	0.82
	10	1048	509	12.0	1.04	11	-	-	-	-
	15	1744	850	15.0	1.57	16	-	-	-	-
	20	2451	1194	18.2	2.11	21	-	-	-	-
1800	-	-	-	-	-	06	968	471	12.1	0.92
	10	1179	573	13.5	1.17	11	-	-	-	-
	15	1962	956	16.9	1.76	16	-	-	-	-
	20	2758	1343	20.5	2.38	21	-	-	-	-
2000	-	-	-	-	-	06	1076	524	13.4	1.02
	10	1310	637	15.0	1.30	11	-	-	-	-
	15	2180	1062	18.8	1.96	16	-	-	-	-
	20	3064	1493	22.8	2.64	21	-	-	-	-
2400	-	-	-	-	-	06	1291	628	16.1	1.22
	10	1572	764	18.0	1.56	11	-	-	-	-
	15	2616	1274	22.6	2.35	16	-	-	-	-
	20	3677	1791	27.4	3.17	21	-	-	-	-
2800	-	-	-	-	-	06	1506	733	18.8	1.43
	10	1834	891	21.0	1.82	11	-	-	-	-
	15	3052	1487	26.3	2.74	16	-	-	-	-
	20	4290	2090	31.9	3.70	21	-	-	-	-

EN442 output at 20°C room temperature.

PERFORMANCE - STRADA - HEIGHT 350

STRW.035 LLL TT.XXX

	SINGLE			WEIGHT	WATER CONTENT	TWIN			WEIGHT	WATER CONTENT
L	Type	Watts	Watts	kg	l	Type	Watts	Watts	kg	l
mm		75/65	55/45				75/65	55/45		
500	-	-	-	-	-	06	395	194	4.5	0.32
	10	449	220	4.9	0.33	11	598	287	5.6	0.67
	15	735	361	6.0	0.49	16	797	378	7.1	0.99
	20	1030	506	7.0	0.66	21	1057	498	8.4	1.33
600	-	-	-	-	-	06	474	233	5.4	0.38
	10	539	264	5.9	0.39	11	718	344	6.7	0.80
	15	882	434	7.1	0.59	16	956	454	8.5	1.19
	20	1236	608	8.4	0.79	21	1268	598	10.0	1.60
700	-	-	-	-	-	06	553	271	6.3	0.44
	10	629	308	6.9	0.46	11	837	401	7.8	0.93
	15	1029	506	8.3	0.69	16	1115	529	9.9	1.39
	20	1442	709	9.8	0.92	21	1480	698	11.7	1.86
800	-	-	-	-	-	06	632	310	7.2	0.50
	10	718	351	7.8	0.52	11	957	459	9.0	1.06
	15	1176	578	9.5	0.78	16	1274	605	11.4	1.58
	20	1648	810	11.2	1.06	21	1691	797	13.4	2.13
900	-	-	-	-	-	06	711	349	8.1	0.57
	10	808	395	8.8	0.59	11	1076	516	10.1	1.20
	15	1323	650	10.7	0.88	16	1434	681	12.8	1.78
	20	1854	911	12.6	1.19	21	1903	897	15.0	2.39
1000	-	-	-	-	-	06	790	388	9.0	0.63
	10	898	439	9.8	0.65	11	1196	573	11.2	1.33
	15	1470	723	11.9	0.98	16	1593	756	14.2	1.98
	20	2060	1013	14.0	1.32	21	2114	997	16.7	2.66
1100	-	-	-	-	-	06	869	427	9.9	0.69
	10	988	483	10.8	0.72	11	1316	631	12.3	1.46
	15	1617	795	13.1	1.08	16	1752	832	15.6	2.18
	20	2266	1114	15.4	1.45	21	2325	1096	18.4	2.93
1200	-	-	-	-	-	06	948	465	10.8	0.76
	10	1078	528	11.8	0.78	11	1435	688	13.4	1.60
	15	1764	867	14.3	1.18	16	1912	908	17.0	2.38
	20	2472	1215	16.8	1.58	21	2537	1196	20.0	3.19
1400	-	-	-	-	-	06	1106	543	12.6	0.88
	10	1257	615	13.7	0.91	11	1674	802	15.7	1.86
	15	2058	1012	16.7	1.37	16	2230	1059	19.9	2.77
	20	2884	1418	19.6	1.85	21	2960	1396	23.4	3.72
1600	-	-	-	-	-	06	1264	620	14.4	1.01
	10	1437	703	15.7	1.04	11	1914	917	17.9	2.13
	15	2352	1156	19.0	1.57	16	2549	1210	22.7	3.17
	20	3296	1620	22.4	2.11	21	3382	1594	26.7	4.26
1800	-	-	-	-	-	06	1422	698	16.2	1.13
	10	1616	791	17.6	1.17	11	2153	1032	20.2	2.39
	15	2646	1301	21.4	1.76	16	2867	1361	25.6	3.56
	20	3708	1823	25.2	2.38	21	3805	1794	30.1	4.79
2000	-	-	-	-	-	06	1580	776	18.0	1.26
	10	1796	879	19.6	1.30	11	2392	1146	22.4	2.66
	15	2940	1445	23.8	1.96	16	3186	1513	28.4	3.96
	20	4120	2025	28.0	2.64	21	4228	1993	33.4	5.32
2400	-	-	-	-	-	06	1896	931	21.6	1.51
	10	2155	1055	23.5	1.56	11	2870	1375	26.9	3.19
	15	3528	1734	28.6	2.35	16	3823	1815	34.1	4.75
	20	4944	2431	33.6	3.17	21	5074	2392	40.1	6.38
2800	-	-	-	-	-	06	2212	1086	25.2	1.76
	10	2514	1230	27.4	1.82	11	3349	1605	31.4	3.72
	15	4116	2024	33.3	2.74	16	4460	2118	39.8	5.54
	20	5768	2836	39.2	3.70	21	5919	2791	46.8	7.45

EN442 output at 20°C room temperature.

PERFORMANCE - STRADA HYBRID - HEIGHT 350

STRW.035 LLL TT.XXX + DBHS.LLL TT/TPT

		HEATING Comfort				HEATING Boost				COOLING Comfort	COOLING Boost	SOUND PRESSURE Comfort	SOUND PRESSURE Boost	POWER
L	Type	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	dB(A)	Watts
mm		75/65	55/45	45/35	35/30	75/65	55/45	45/35	35/30	16/18	16/18			Max
500	06	Refer to Jaga Technical Dept.												
	11	943	534	337	203	1102	624	394	237	158	185	30.0	38.8	5.1
	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	21	-	-	-	-	-	-	-	-	-	-	-	-	-
600	06	Refer to Jaga Technical Dept.												
	11	1223	693	438	263	1447	820	518	311	205	242	30.0	40.0	6.8
	16	1503	851	538	323	1989	1126	712	428	230	305	30.0	41.1	7.2
	21	1935	1125	725	447	2561	1488	960	591	251	332	30.0	41.1	7.2
700	06	Refer to Jaga Technical Dept.												
	11	1498	848	536	322	1791	1014	641	385	251	300	30.0	41.0	7.9
	16	1747	989	625	376	2313	1310	828	498	236	312	30.0	41.1	7.2
	21	2123	1234	796	490	2810	1633	1053	648	258	341	30.0	41.1	7.2
800	06	Refer to Jaga Technical Dept.												
	11	1770	1002	633	381	2136	1210	764	460	296	358	30.0	41.8	9.1
	16	2188	1239	783	471	2936	1663	1050	632	335	450	30.0	42.4	9.0
	21	2818	1638	1056	650	3781	2197	1418	873	366	490	30.0	42.4	9.0
900	06	Refer to Jaga Technical Dept.												
	11	2037	1154	729	438	2480	1405	887	534	341	415	30.0	42.4	10.3
	16	2503	1418	896	539	3409	1931	1220	734	383	522	30.0	43.3	10.7
	21	3224	1874	1209	744	4391	2552	1646	1013	418	570	30.0	43.3	10.7
1000	06	Refer to Jaga Technical Dept.												
	11	2301	1303	823	495	2825	1600	1011	608	385	473	30.0	43.0	12.2
	16	2817	1595	1008	606	3883	2199	1389	836	431	595	30.0	44.1	10.7
	21	3627	2108	1360	837	5000	2906	1875	1154	471	649	30.0	44.1	10.7
1100	06	Refer to Jaga Technical Dept.												
	11	2582	1462	924	556	3169	1795	1134	682	432	531	30.0	43.5	14.0
	16	3051	1728	1092	657	4207	2383	1505	905	437	602	30.0	44.1	12.5
	21	3808	2213	1428	879	5249	3051	1968	1211	477	658	30.0	44.1	12.5
1200	06	Refer to Jaga Technical Dept.												
	11	2822	1598	1010	607	3514	1990	1257	756	473	589	30.0	44.0	14.8
	16	3472	1966	1242	747	4830	2735	1728	1039	532	740	30.0	44.8	14.3
	21	4471	2598	1676	1032	6220	3615	2332	1435	580	807	30.0	44.8	14.3
1400	06	Refer to Jaga Technical Dept.												
	11	3333	1888	1193	717	4203	2380	1504	905	558	704	30.0	44.8	17.5
	16	4117	2332	1473	886	5777	3272	2067	1243	630	885	30.0	45.4	14.4
	21	5302	3081	1988	1224	7440	4324	2789	1717	688	965	30.0	45.4	14.4
1600	06	Refer to Jaga Technical Dept.												
	11	3835	2172	1372	825	4892	2771	1750	1053	642	819	30.0	45.5	19.2
	16	4717	2671	1688	1015	6724	3808	2406	1447	722	1030	30.0	46.4	19.6
	21	6075	3531	2278	1402	8659	5032	3246	1998	788	1123	30.0	46.4	19.6
1800	06	Refer to Jaga Technical Dept.												
	11	4376	2478	1566	942	5581	3161	1997	1201	733	935	30.0	46.0	22.0
	16	5171	2929	1850	1113	7371	4175	2637	1586	733	1045	30.0	46.4	19.6
	21	6424	3734	2408	1482	9157	5322	3433	2113	801	1142	30.0	46.4	19.6
2000	06	Refer to Jaga Technical Dept.												
	11	4821	2730	1725	1037	6270	3551	2243	1349	807	1050	30.0	46.5	24.0
	16	5971	3382	2136	1285	8618	4881	3083	1855	914	1320	30.0	47.1	23.5
	21	7690	4469	2883	1775	11098	6450	4161	2561	998	1440	30.0	47.1	23.5
2400	06	Refer to Jaga Technical Dept.												
	11	5738	3250	2053	1235	7648	4331	2736	1646	961	1281	30.0	47.2	28.0
	16	7168	4060	2565	1543	10512	5954	3761	2262	1098	1610	30.0	48.1	29.7
	21	9231	5365	3461	2130	13538	7868	5075	3124	1197	1756	30.0	48.1	29.7
2800	06	Refer to Jaga Technical Dept.												
	11	6599	3737	2361	1420	8790	4978	3145	1892	1056	1406	30.0	47.8	31.4
	16	8348	4728	2987	1797	12406	7026	4439	2670	1278	1900	30.0	48.9	34.5
	21	10751	6248	4031	2481	15977	9286	5990	3687	1395	2072	30.0	48.9	34.5

EN16430 output at 20°C room temperature for heating and 27°C for cooling.
Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and an assumed room dampening of 8dB(A).

PERFORMANCE - STRADA - HEIGHT 500

STRW.050 LLL TT.XXX

		SINGLE		WEIGHT	WATER CONTENT		TWIN		WEIGHT	WATER CONTENT
L	Type	Watts	Watts	kg	l	Type	Watts	Watts	kg	l
mm		75/65	55/45				75/65	55/45		
500	-	-	-	-	-	6	474	235	5.6	0.32
	10	538	265	6.0	0.33	11	693	332	6.8	0.67
	15	867	430	7.2	0.49	16	949	449	8.4	0.99
	20	1213	602	8.4	0.66	21	1291	605	9.8	1.33
600	-	-	-	-	-	6	568	282	6.7	0.38
	10	646	318	7.2	0.39	11	832	399	8.1	0.80
	15	1040	516	8.6	0.59	16	1139	539	10.0	1.19
	20	1455	722	10.0	0.79	21	1549	725	11.7	1.60
700	-	-	-	-	-	6	663	329	7.8	0.44
	10	753	371	8.4	0.46	11	970	465	9.5	0.93
	15	1214	602	10.1	0.69	16	1329	629	11.7	1.39
	20	1698	842	11.7	0.92	21	1807	846	13.7	1.86
800	-	-	-	-	-	6	758	376	8.9	0.50
	10	861	424	9.6	0.52	11	1109	532	10.8	1.06
	15	1387	688	11.5	0.78	16	1518	719	13.4	1.58
	20	1940	962	13.4	1.06	21	2066	968	15.6	2.13
900	-	-	-	-	-	6	852	423	10.0	0.57
	10	968	477	10.8	0.59	11	1247	598	12.2	1.20
	15	1561	774	13.0	0.88	16	1708	809	15.0	1.78
	20	2183	1083	15.0	1.19	21	2324	1088	17.6	2.39
1000	-	-	-	-	-	6	947	470	11.1	0.63
	10	1076	530	12.0	0.65	11	1386	665	13.5	1.33
	15	1734	860	14.4	0.98	16	1898	898	16.7	1.98
	20	2425	1203	16.7	1.32	21	2582	1209	19.5	2.66
1100	-	-	-	-	-	6	1042	517	12.2	0.69
	10	1184	584	13.2	0.72	11	1525	732	14.9	1.46
	15	1907	946	15.8	1.08	16	2088	988	18.4	2.18
	20	2668	1323	18.4	1.45	21	2840	1330	21.5	2.93
1200	-	-	-	-	-	6	1136	564	13.3	0.76
	10	1291	636	14.4	0.78	11	1663	798	16.2	1.60
	15	2081	1032	17.3	1.18	16	2278	1078	20.0	2.38
	20	2910	1443	20.0	1.58	21	3098	1451	23.4	3.19
1400	-	-	-	-	-	6	1326	658	15.5	0.88
	10	1506	742	16.8	0.91	11	1940	931	18.9	1.86
	15	2428	1204	20.2	1.37	16	2657	1258	23.4	2.77
	20	3395	1684	23.4	1.85	21	3615	1693	27.3	3.72
1600	-	-	-	-	-	6	1515	752	17.8	1.01
	10	1722	849	19.2	1.04	11	2218	1064	21.6	2.13
	15	2774	1376	23.0	1.57	16	3037	1438	26.7	3.17
	20	3880	1924	26.7	2.11	21	4131	1935	31.2	4.26
1800	-	-	-	-	-	6	1705	846	20.0	1.13
	10	1937	955	21.6	1.17	11	2495	1197	24.3	2.39
	15	3121	1548	25.9	1.76	16	3416	1617	30.1	3.56
	20	4365	2165	30.1	2.38	21	4648	2177	35.1	4.79
2000	-	-	-	-	-	6	1894	940	22.2	1.26
	10	2152	1061	24.0	1.30	11	2772	1330	27.0	2.66
	15	3468	1720	28.8	1.96	16	3796	1797	33.4	3.96
	20	4850	2405	33.4	2.64	21	5164	2418	39.0	5.32
2400	-	-	-	-	-	6	2273	1128	26.6	1.51
	10	2582	1273	28.8	1.56	11	3326	1596	32.4	3.19
	15	4162	2064	34.6	2.35	16	4555	2156	40.1	4.75
	20	5820	2886	40.1	3.17	21	6197	2902	46.8	6.38
2800	-	-	-	-	-	6	2652	1316	31.1	1.76
	10	3013	1485	33.6	1.82	11	3881	1862	37.8	3.72
	15	4855	2408	40.3	2.74	16	5314	2516	46.8	5.54
	20	6790	3367	46.8	3.70	21	7230	3386	54.6	7.45

EN442 output at 20°C room temperature.

PERFORMANCE - STRADA HYBRID - HEIGHT 500

STRW.050 LLL TT.XXX + DBHS.LLL TT/TPT

		HEATING Comfort				HEATING Boost				COOLING Comfort	COOLING Boost	SOUND PRESSURE Comfort	SOUND PRESSURE Boost	POWER
L	Type	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	dB(A)	Watts
mm		75/65	55/45	45/35	35/30	75/65	55/45	45/35	35/30	16/18	16/18			Max
500	06	Refer to Jaga Technical Dept.												
	11	943	534	337	203	1102	624	394	237	158	185	30.0	38.8	5.1
	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	21	-	-	-	-	-	-	-	-	-	-	-	-	-
600	06	Refer to Jaga Technical Dept.												
	11	1223	693	438	263	1447	820	518	311	205	242	30.0	40.0	6.8
	16	1503	851	538	323	1989	1126	712	428	230	305	30.0	41.1	7.2
	21	1935	1125	725	447	2561	1488	960	591	251	332	30.0	41.1	7.2
700	06	Refer to Jaga Technical Dept.												
	11	1498	848	536	322	1791	1014	641	385	251	300	30.0	41.0	7.9
	16	1747	989	625	376	2313	1310	828	498	236	312	30.0	41.1	7.2
	21	2123	1234	796	490	2810	1633	1053	648	258	341	30.0	41.1	7.2
800	06	Refer to Jaga Technical Dept.												
	11	1770	1002	633	381	2136	1210	764	460	296	358	30.0	41.8	9.1
	16	2188	1239	783	471	2936	1663	1050	632	335	450	30.0	42.4	9.0
	21	2818	1638	1056	650	3781	2197	1418	873	366	490	30.0	42.4	9.0
900	06	Refer to Jaga Technical Dept.												
	11	2037	1154	729	438	2480	1405	887	534	341	415	30.0	42.4	10.3
	16	2503	1418	896	539	3409	1931	1220	734	383	522	30.0	43.3	10.7
	21	3224	1874	1209	744	4391	2552	1646	1013	418	570	30.0	43.3	10.7
1000	06	Refer to Jaga Technical Dept.												
	11	2301	1303	823	495	2825	1600	1011	608	385	473	30.0	43.0	12.2
	16	2817	1595	1008	606	3883	2199	1389	836	431	595	30.0	44.1	10.7
	21	3627	2108	1360	837	5000	2906	1875	1154	471	649	30.0	44.1	10.7
1100	06	Refer to Jaga Technical Dept.												
	11	2582	1462	924	556	3169	1795	1134	682	432	531	30.0	43.5	14.0
	16	3051	1728	1092	657	4207	2383	1505	905	437	602	30.0	44.1	12.5
	21	3808	2213	1428	879	5249	3051	1968	1211	477	658	30.0	44.1	12.5
1200	06	Refer to Jaga Technical Dept.												
	11	2822	1598	1010	607	3514	1990	1257	756	473	589	30.0	44.0	14.8
	16	3472	1966	1242	747	4830	2735	1728	1039	532	740	30.0	44.8	14.3
	21	4471	2598	1676	1032	6220	3615	2332	1435	580	807	30.0	44.8	14.3
1400	06	Refer to Jaga Technical Dept.												
	11	3333	1888	1193	717	4203	2380	1504	905	558	704	30.0	44.8	17.5
	16	4117	2332	1473	886	5777	3272	2067	1243	630	885	30.0	45.4	14.4
	21	5302	3081	1988	1224	7440	4324	2789	1717	688	965	30.0	45.4	14.4
1600	06	Refer to Jaga Technical Dept.												
	11	3835	2172	1372	825	4892	2771	1750	1053	642	819	30.0	45.5	19.2
	16	4717	2671	1688	1015	6724	3808	2406	1447	722	1030	30.0	46.4	19.6
	21	6075	3531	2278	1402	8659	5032	3246	1998	788	1123	30.0	46.4	19.6
1800	06	Refer to Jaga Technical Dept.												
	11	4376	2478	1566	942	5581	3161	1997	1201	733	935	30.0	46.0	22.0
	16	5171	2929	1850	1113	7371	4175	2637	1586	733	1045	30.0	46.4	19.6
	21	6424	3734	2408	1482	9157	5322	3433	2113	801	1142	30.0	46.4	19.6
2000	06	Refer to Jaga Technical Dept.												
	11	4821	2730	1725	1037	6270	3551	2243	1349	807	1050	30.0	46.5	24.0
	16	5971	3382	2136	1285	8618	4881	3083	1855	914	1320	30.0	47.1	23.5
	21	7690	4469	2883	1775	11098	6450	4161	2561	998	1440	30.0	47.1	23.5
2400	06	Refer to Jaga Technical Dept.												
	11	5738	3250	2053	1235	7648	4331	2736	1646	961	1281	30.0	47.2	28.0
	16	7168	4060	2565	1543	10512	5954	3761	2262	1098	1610	30.0	48.1	29.7
	21	9231	5365	3461	2130	13538	7868	5075	3124	1197	1756	30.0	48.1	29.7
2800	06	Refer to Jaga Technical Dept.												
	11	6599	3737	2361	1420	8790	4978	3145	1892	1056	1406	30.0	47.8	31.4
	16	8348	4728	2987	1797	12406	7026	4439	2670	1278	1900	30.0	48.9	34.5
	21	10751	6248	4031	2481	15977	9286	5990	3687	1395	2072	30.0	48.9	34.5

EN16430 output at 20°C room temperature for heating and 27°C for cooling.
Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and an assumed room dampening of 8dB(A).

PERFORMANCE - STRADA - HEIGHT 650

STRW.065 LLL TT.XXX

	SINGLE			WEIGHT	WATER CONTENT	TWIN			WEIGHT	WATER CONTENT
L	Type	Watts	Watts	kg	l	Type	Watts	Watts	kg	l
mm		75/65	55/45				75/65	55/45		
500	-	-	-	-	-	06	533	267	6.7	0.32
	10	606	301	7.2	0.33	11	772	371	7.9	0.67
	15	961	481	8.5	0.49	16	1087	513	9.6	0.99
	20	1343	672	9.7	0.66	21	1515	705	11.1	1.33
600	-	-	-	-	-	06	640	321	8.0	0.38
	10	727	361	8.6	0.39	11	926	444	9.5	0.80
	15	1153	577	10.1	0.59	16	1304	615	11.5	1.19
	20	1611	806	11.6	0.79	21	1818	846	13.3	1.60
700	-	-	-	-	-	06	746	374	9.3	0.44
	10	848	421	10.0	0.46	11	1080	518	11.1	0.93
	15	1345	673	11.8	0.69	16	1521	718	13.4	1.39
	20	1880	941	13.6	0.92	21	2121	987	15.5	1.86
800	-	-	-	-	-	06	853	428	10.6	0.50
	10	969	481	11.4	0.52	11	1234	592	12.6	1.06
	15	1538	770	13.5	0.78	16	1738	820	15.4	1.58
	20	2148	1075	15.5	1.06	21	2424	1128	17.7	2.13
900	-	-	-	-	-	06	959	481	12.0	0.57
	10	1090	541	12.9	0.59	11	1389	667	14.2	1.20
	15	1730	866	15.2	0.88	16	1956	923	17.3	1.78
	20	2417	1210	17.5	1.19	21	2727	1269	19.9	2.39
1000	-	-	-	-	-	06	1066	535	13.3	0.63
	10	1211	601	14.3	0.65	11	1543	741	15.8	1.33
	15	1922	962	16.9	0.98	16	2173	1026	19.2	1.98
	20	2685	1344	19.4	1.32	21	3030	1410	22.1	2.66
1100	-	-	-	-	-	06	1173	589	14.6	0.69
	10	1332	661	15.7	0.72	11	1697	814	17.4	1.46
	15	2114	1058	18.6	1.08	16	2390	1128	21.1	2.18
	20	2954	1478	21.3	1.45	21	3333	1551	24.3	2.93
1200	-	-	-	-	-	06	1279	642	16.0	0.76
	10	1453	721	17.2	0.78	11	1852	889	19.0	1.60
	15	2306	1154	20.3	1.18	16	2608	1231	23.0	2.38
	20	3222	1613	23.3	1.58	21	3636	1692	26.5	3.19
1400	-	-	-	-	-	06	1492	749	18.6	0.88
	10	1695	841	20.0	0.91	11	2160	1037	22.1	1.86
	15	2691	1347	23.7	1.37	16	3042	1436	26.9	2.77
	20	3759	1881	27.2	1.85	21	4242	1975	30.9	3.72
1600	-	-	-	-	-	06	1706	856	21.3	1.01
	10	1938	962	22.9	1.04	11	2469	1185	25.3	2.13
	15	3075	1539	27.0	1.57	16	3477	1641	30.7	3.17
	20	4296	2150	31.0	2.11	21	4848	2257	35.4	4.26
1800	-	-	-	-	-	06	1919	963	23.9	1.13
	10	2180	1082	25.7	1.17	11	2777	1333	28.4	2.39
	15	3460	1732	30.4	1.76	16	3911	1846	34.6	3.56
	20	4833	2419	34.9	2.38	21	5454	2539	39.8	4.79
2000	-	-	-	-	-	06	2132	1070	26.6	1.26
	10	2422	1202	28.6	1.30	11	3086	1481	31.6	2.66
	15	3844	1924	33.8	1.96	16	4346	2051	38.4	3.96
	20	5370	2688	38.8	2.64	21	6060	2821	44.2	5.32
2400	-	-	-	-	-	06	2558	1284	31.9	1.51
	10	2906	1443	34.3	1.56	11	3703	1777	37.9	3.19
	15	4613	2309	40.6	2.35	16	5215	2461	46.1	4.75
	20	6444	3225	46.6	3.17	21	7272	3385	53.0	6.38
2800	-	-	-	-	-	06	2985	1498	37.2	1.76
	10	3391	1683	40.0	1.82	11	4320	2073	44.2	3.72
	15	5382	2694	47.3	2.74	16	6084	2871	53.8	5.54
	20	7518	3763	54.3	3.70	21	8484	3949	61.9	7.45

EN442 output at 20°C room temperature.

PERFORMANCE - STRADA HYBRID - HEIGHT 650

STRW.065 LLL TT.XXX + DBHS.LLL TT/TPT

		HEATING Comfort				HEATING Boost				COOLING Comfort	COOLING Boost	SOUND PRESSURE Comfort	SOUND PRESSURE Boost	POWER
L	Type	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	dB(A)	Watts
mm		75/65	55/45	45/35	35/30	75/65	55/45	45/35	35/30	16/18	16/18			Max
500	06	Refer to Jaga Technical Dept.												
	11	943	534	337	203	1102	624	394	237	146	171	30.0	38.8	5.1
	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	21	-	-	-	-	-	-	-	-	-	-	-	-	-
600	06	Refer to Jaga Technical Dept.												
	11	1223	693	438	263	1447	820	518	311	190	224	30.0	40.0	6.8
	16	1503	851	538	323	1989	1126	712	428	213	282	30.0	41.1	7.2
	21	1935	1125	725	447	2561	1488	960	591	232	307	30.0	41.1	7.2
700	06	Refer to Jaga Technical Dept.												
	11	1498	848	536	322	1791	1014	641	385	232	278	30.0	41.0	7.9
	16	1747	989	625	376	2313	1310	828	498	218	289	30.0	41.1	7.2
	21	2123	1234	796	490	2810	1633	1053	648	239	316	30.0	41.1	7.2
800	06	Refer to Jaga Technical Dept.												
	11	1770	1002	633	381	2136	1210	764	460	274	331	30.0	41.8	9.1
	16	2188	1239	783	471	2936	1663	1050	632	310	416	30.0	42.4	9.0
	21	2818	1638	1056	650	3781	2197	1418	873	338	454	30.0	42.4	9.0
900	06	Refer to Jaga Technical Dept.												
	11	2037	1154	729	438	2480	1405	887	534	316	384	30.0	42.4	10.3
	16	2503	1418	896	539	3409	1931	1220	734	355	483	30.0	43.3	10.7
	21	3224	1874	1209	744	4391	2552	1646	1013	387	527	30.0	43.3	10.7
1000	06	Refer to Jaga Technical Dept.												
	11	2301	1303	823	495	2825	1600	1011	608	356	438	30.0	43.0	12.2
	16	2817	1595	1008	606	3883	2199	1389	836	399	550	30.0	44.1	10.7
	21	3627	2108	1360	837	5000	2906	1875	1154	435	600	30.0	44.1	10.7
1100	06	Refer to Jaga Technical Dept.												
	11	2582	1462	924	556	3169	1795	1134	682	400	491	30.0	43.5	14.0
	16	3051	1728	1092	657	4207	2383	1505	905	404	557	30.0	44.1	12.5
	21	3808	2213	1428	879	5249	3051	1968	1211	441	608	30.0	44.1	12.5
1200	06	Refer to Jaga Technical Dept.												
	11	2822	1598	1010	607	3514	1990	1257	756	438	545	30.0	44.0	14.8
	16	3472	1966	1242	747	4830	2735	1728	1039	492	685	30.0	44.8	14.3
	21	4471	2598	1676	1032	6220	3615	2332	1435	536	746	30.0	44.8	14.3
1400	06	Refer to Jaga Technical Dept.												
	11	3333	1888	1193	717	4203	2380	1504	905	516	651	30.0	44.8	17.5
	16	4117	2332	1473	886	5777	3272	2067	1243	583	819	30.0	45.4	14.4
	21	5302	3081	1988	1224	7440	4324	2789	1717	636	893	30.0	45.4	14.4
1600	06	Refer to Jaga Technical Dept.												
	11	3835	2172	1372	825	4892	2771	1750	1053	594	758	30.0	45.5	19.2
	16	4717	2671	1688	1015	6724	3808	2406	1447	668	953	30.0	46.4	19.6
	21	6075	3531	2278	1402	8659	5032	3246	1998	729	1039	30.0	46.4	19.6
1800	06	Refer to Jaga Technical Dept.												
	11	4376	2478	1566	942	5581	3161	1997	1201	678	865	30.0	46.0	22.0
	16	5171	2929	1850	1113	7371	4175	2637	1586	678	966	30.0	46.4	19.6
	21	6424	3734	2408	1482	9157	5322	3433	2113	741	1056	30.0	46.4	19.6
2000	06	Refer to Jaga Technical Dept.												
	11	4821	2730	1725	1037	6270	3551	2243	1349	746	971	30.0	46.5	24.0
	16	5971	3382	2136	1285	8618	4881	3083	1855	845	1221	30.0	47.1	23.5
	21	7690	4469	2883	1775	11098	6450	4161	2561	923	1332	30.0	47.1	23.5
2400	06	Refer to Jaga Technical Dept.												
	11	5738	3250	2053	1235	7648	4331	2736	1646	889	1185	30.0	47.2	28.0
	16	7168	4060	2565	1543	10512	5954	3761	2262	1016	1489	30.0	48.1	29.7
	21	9231	5365	3461	2130	13538	7868	5075	3124	1108	1624	30.0	48.1	29.7
2800	06	Refer to Jaga Technical Dept.												
	11	6599	3737	2361	1420	8790	4978	3145	1892	977	1301	30.0	47.8	31.4
	16	8348	4728	2987	1797	12406	7026	4439	2670	1182	1758	30.0	48.9	34.5
	21	10751	6248	4031	2481	15977	9286	5990	3687	1290	1917	30.0	48.9	34.5

EN16430 output at 20°C room temperature for heating and 27°C for cooling.
Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and an assumed room dampening of 8dB(A).

PERFORMANCE - STRADA - HEIGHT 950

STRW.095 LLL TT.XXX

	SINGLE			WEIGHT	WATER CONTENT	TWIN			WEIGHT	WATER CONTENT
L	Type	Watts	Watts	kg	l	Type	Watts	Watts	kg	l
mm		75/65	55/45				75/65	55/45		
500	-	-	-	-	-	6	-	-	-	-
	10	-	-	-	-	11	-	-	-	-
	15	-	-	-	-	16	-	-	-	-
	20	-	-	-	-	21	-	-	-	-
600	-	-	-	-	-	6	736	378	10.5	0.38
	10	836	421	11.3	0.39	11	1078	518	12.2	0.80
	15	1288	656	13.1	0.59	16	1606	753	14.5	1.19
	20	1795	915	14.9	0.79	21	2352	1081	16.5	1.60
700	-	-	-	-	-	6	858	440	12.3	0.44
	10	975	491	13.2	0.46	11	1257	604	14.3	0.93
	15	1502	765	15.3	0.69	16	1874	879	16.9	1.39
	20	2094	1067	17.4	0.92	21	2744	1261	19.3	1.86
800	-	-	-	-	-	6	981	503	14.0	0.50
	10	1114	561	15.1	0.52	11	1437	691	16.3	1.06
	15	1717	875	17.4	0.78	16	2142	1005	19.3	1.58
	20	2394	1220	19.8	1.06	21	3136	1441	22.0	2.13
900	-	-	-	-	-	6	1103	566	15.8	0.57
	10	1254	631	17.0	0.59	11	1616	777	18.4	1.20
	15	1931	984	19.6	0.88	16	2409	1130	21.7	1.78
	20	2693	1372	22.3	1.19	21	3528	1621	24.8	2.39
1000	-	-	-	-	-	6	1226	629	17.5	0.63
	10	1393	701	18.9	0.65	11	1796	863	20.4	1.33
	15	2146	1093	21.8	0.98	16	2677	1256	24.1	1.98
	20	2992	1524	24.8	1.32	21	3920	1801	27.5	2.66
1100	-	-	-	-	-	6	1349	692	19.3	0.69
	10	1532	771	20.8	0.72	11	1976	950	22.4	1.46
	15	2361	1203	24.0	1.08	16	2945	1381	26.5	2.18
	20	3291	1677	27.3	1.45	21	4312	1982	30.3	2.93
1200	-	-	-	-	-	6	1471	754	21.0	0.76
	10	1672	842	22.7	0.78	11	2155	1036	24.5	1.60
	15	2575	1312	26.2	1.18	16	3212	1507	28.9	2.38
	20	3590	1829	29.8	1.58	21	4704	2162	33.0	3.19
1400	-	-	-	-	-	6	1716	880	24.5	0.88
	10	1950	982	26.5	0.91	11	2514	1208	28.6	1.86
	15	3004	1531	30.5	1.37	16	3748	1758	33.7	2.77
	20	4189	2134	34.7	1.85	21	5488	2522	38.5	3.72

EN442 output at 20°C room temperature.

PERFORMANCE - STRADA HYBRID - HEIGHT 950

STRW.095 LLL TT.XXX + DBHS.LLL TT/TPT

		HEATING Comfort				HEATING Boost				COOLING Comfort	COOLING Boost	SOUND PRESSURE Comfort	SOUND PRESSURE Boost	POWER
L	Type	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	dB(A)	Watts
mm		75/65	55/45	45/35	35/30	75/65	55/45	45/35	35/30	16/18	16/18			Max
500	06	Refer to Jaga Technical Dept.												
	11	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	21	-	-	-	-	-	-	-	-	-	-	-	-	-
600	06	Refer to Jaga Technical Dept.												
	11	1223	693	438	263	1447	820	518	311	159	188	30.0	40.0	6.8
	16	1503	851	538	323	1989	1126	712	428	178	236	30.0	41.1	7.2
	21	1935	1125	725	447	2561	1488	960	591	195	257	30.0	41.1	7.2
700	06	Refer to Jaga Technical Dept.												
	11	1498	848	536	322	1791	1014	641	385	194	233	30.0	41.0	7.9
	16	1747	989	625	376	2313	1310	828	498	183	242	30.0	41.1	7.2
	21	2123	1234	796	490	2810	1633	1053	648	200	265	30.0	41.1	7.2
800	06	Refer to Jaga Technical Dept.												
	11	1770	1002	633	381	2136	1210	764	460	229	277	30.0	41.8	9.1
	16	2188	1239	783	471	2936	1663	1050	632	260	349	30.0	42.4	9.0
	21	2818	1638	1056	650	3781	2197	1418	873	283	380	30.0	42.4	9.0
900	06	Refer to Jaga Technical Dept.												
	11	2037	1154	729	438	2480	1405	887	534	264	322	30.0	42.4	10.3
	16	2503	1418	896	539	3409	1931	1220	734	297	405	30.0	43.3	10.7
	21	3224	1874	1209	744	4391	2552	1646	1013	324	441	30.0	43.3	10.7
1000	06	Refer to Jaga Technical Dept.												
	11	2301	1303	823	495	2825	1600	1011	608	298	367	30.0	43.0	12.2
	16	2817	1595	1008	606	3883	2199	1389	836	334	461	30.0	44.1	10.7
	21	3627	2108	1360	837	5000	2906	1875	1154	365	503	30.0	44.1	10.7
1100	06	Refer to Jaga Technical Dept.												
	11	2582	1462	924	556	3169	1795	1134	682	335	411	30.0	43.5	14.0
	16	3051	1728	1092	657	4207	2383	1505	905	338	467	30.0	44.1	12.5
	21	3808	2213	1428	879	5249	3051	1968	1211	370	510	30.0	44.1	12.5
1200	06	Refer to Jaga Technical Dept.												
	11	2822	1598	1010	607	3514	1990	1257	756	367	456	30.0	44.0	14.8
	16	3472	1966	1242	747	4830	2735	1728	1039	412	574	30.0	44.8	14.3
	21	4471	2598	1676	1032	6220	3615	2332	1435	449	625	30.0	44.8	14.3
1400	06	Refer to Jaga Technical Dept.												
	11	3333	1888	1193	717	4203	2380	1504	905	432	546	30.0	44.8	17.5
	16	4117	2332	1473	886	5777	3272	2067	1243	488	686	30.0	45.4	14.4
	21	5302	3081	1988	1224	7440	4324	2789	1717	533	748	30.0	45.4	14.4

EN16430 output at 20°C room temperature for heating and 27°C for cooling.
Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and an assumed room dampening of 8dB(A).

GUARANTEE DURATION

Item	Low-H_2O Heat Exchanger	Electric Spare Parts	Other Spare Parts
Strada	30 years	---	10 years
Valves for Low-H_2O heat exchangers	---	---	3 years
DBH components	---	2 years	---

Full Guarantee and Conditions of Sale available on request.

DELIVERY

Our radiators are delivered in easy to handle compact packaging.
Standard delivery includes:

- Low-H_2O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2".
- Partially pre-mounted casing for connection left or right at low level.
- Cover plate in stainless steel effect for the side panel at the opposite end from the valve.

CORRECTION FACTORS - STRADA

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 EN442. 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.

Note: Tv = Flow Temperature : Tr = Return Temperature : Tl = Room Design Temperature

CORRECTION FACTORS - STRADA HYBRID

AVERAGE CORRECTION FACTORS ACCORDING TO EN16430 - 75/65/20°C

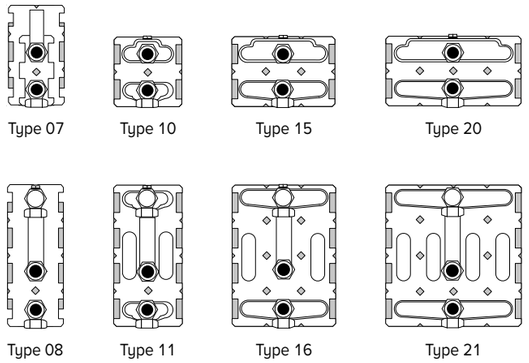
Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.53	0.64	0.74	0.83	0.91	0.99	1.06	1.13	1.19	1.27	1.32	1.38	1.44
	20		0.46	0.59	0.69	0.78	0.86	0.94	1.01	1.08	1.15	1.22	1.28	1.33	1.39
	22		0.38	0.53	0.64	0.73	0.81	0.89	0.97	1.03	1.10	1.18	1.23	1.29	1.35
	24		0.28	0.47	0.58	0.68	0.77	0.85	0.92	0.99	1.06	1.12	1.19	1.24	1.30
85	18		0.50	0.61	0.71	0.79	0.87	0.94	1.01	1.08	1.16	1.21	1.27	1.32	
	20		0.43	0.56	0.66	0.74	0.82	0.90	0.97	1.03	1.10	1.17	1.22	1.28	
	22		0.36	0.50	0.61	0.70	0.78	0.85	0.92	0.99	1.05	1.12	1.18	1.23	
	24		0.26	0.44	0.55	0.65	0.73	0.80	0.88	0.94	1.01	1.08	1.13	1.19	
80	18		0.47	0.58	0.67	0.75	0.83	0.90	0.97	1.03	1.10	1.16	1.21		
	20		0.41	0.53	0.62	0.71	0.78	0.85	0.92	0.99	1.06	1.11	1.17		
	22		0.34	0.47	0.57	0.66	0.74	0.81	0.88	0.94	1.01	1.07	1.12		
	24		0.24	0.41	0.52	0.61	0.69	0.76	0.83	0.90	0.97	1.02	1.08		
75	18		0.44	0.55	0.63	0.71	0.79	0.85	0.92	0.99	1.04	1.10			
	20		0.38	0.50	0.59	0.67	0.74	0.81	0.87	0.95	1.00	1.06			
	22		0.31	0.44	0.54	0.62	0.70	0.76	0.83	0.90	0.96	1.01			
	24		0.22	0.39	0.49	0.57	0.65	0.72	0.79	0.86	0.91	0.97			
70	18		0.41	0.51	0.60	0.67	0.74	0.81	0.88	0.93	0.99				
	20		0.36	0.46	0.55	0.63	0.70	0.76	0.84	0.89	0.95				
	22		0.29	0.41	0.50	0.58	0.65	0.72	0.78	0.85	0.90				
	24		0.20	0.36	0.46	0.54	0.61	0.68	0.74	0.80	0.86				
65	18		0.39	0.48	0.56	0.63	0.70	0.76	0.83	0.88					
	20		0.33	0.43	0.51	0.59	0.65	0.72	0.78	0.84					
	22		0.27	0.38	0.47	0.54	0.61	0.67	0.74	0.79					
	24		0.18	0.33	0.42	0.50	0.57	0.63	0.70	0.75					
60	18		0.36	0.44	0.52	0.59	0.65	0.72	0.77						
	20		0.30	0.40	0.48	0.55	0.61	0.68	0.73						
	22		0.24	0.35	0.43	0.50	0.57	0.63	0.69						
	24		0.17	0.30	0.39	0.46	0.52	0.59	0.64						
55	18		0.33	0.41	0.48	0.55	0.61	0.66							
	20		0.27	0.36	0.44	0.50	0.57	0.62							
	22		0.22	0.32	0.39	0.46	0.52	0.58							
	24		0.15	0.27	0.35	0.42	0.48	0.54							
50	18		0.29	0.37	0.44	0.50	0.56								
	20		0.25	0.33	0.40	0.46	0.52								
	22		0.19	0.28	0.36	0.42	0.48								
	24		0.13	0.24	0.31	0.38	0.44								
45	18		0.26	0.33	0.40	0.46									
	20		0.22	0.29	0.36	0.42									
	22		0.17	0.25	0.32	0.38									
	24		0.11	0.21	0.28	0.33									
40	18		0.23	0.30	0.35										
	20		0.19	0.25	0.32										
	22		0.14	0.21	0.28										
	24		0.09	0.17	0.23										
35	18		0.19	0.26											
	20		0.15	0.21											
	22		0.11	0.18											
	24		0.07	0.14											
30	18		0.16												
	20		0.12												
	22		0.08												
	24		0.04												

The indicated outputs with ΔT 50 are the exact outputs, measured in accordance with EN16430. 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.

Note: Tv = Flow Temperature : Tr = Return Temperature : Tl = Room Design Temperature

HEAT EXCHANGER OVERVIEW & PRESSURE DROP - STRADA



To optimise the output of the type 06 Strada a Type 07 heat exchanger is fitted in the 200mm high casing, and a Type 08 is fitted in all other Type 06 units.

TO CALCULATE FLOW RATE:

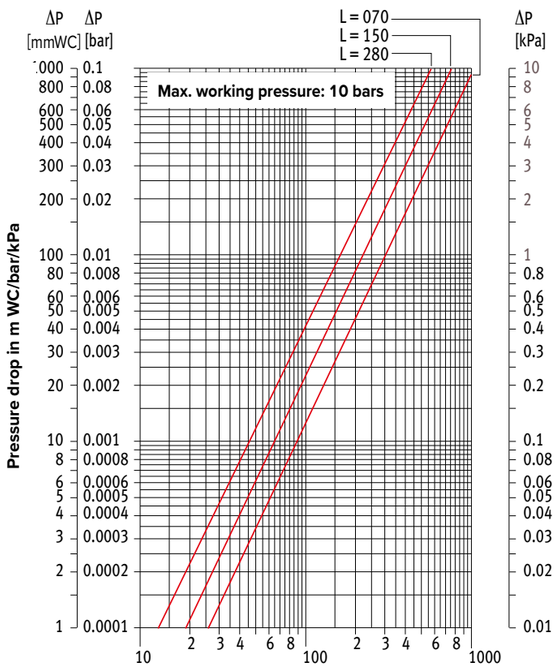
$$\frac{\textbf{Corrected output [Watts] x 3600}}{\textbf{Specific heat capacity [J/kg.°C] x [flow temp – return temp]}}$$

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.

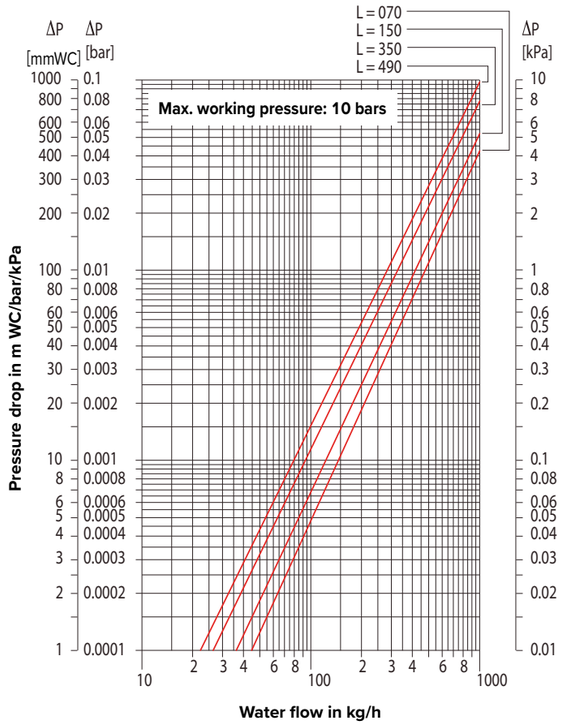
$$\text{Mass flow} = \frac{1000 \times 3600}{4187 \times (70-50)}$$

= 42.99 kg/hr

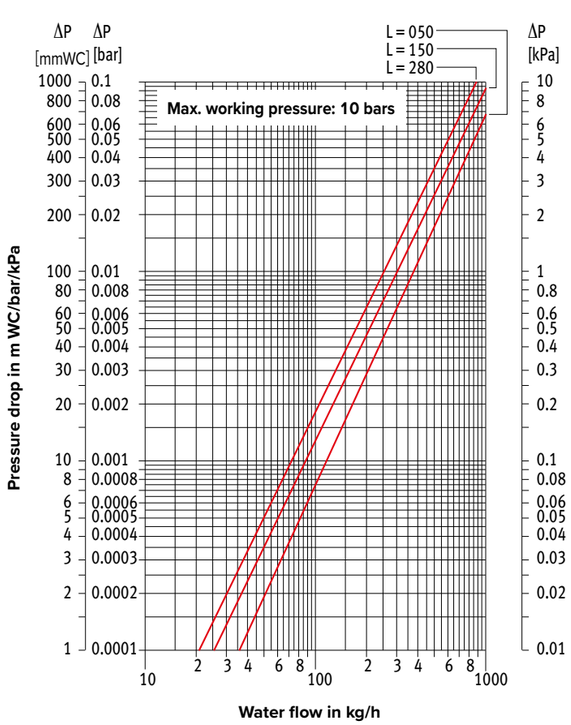
TYPE 08



TYPE 10

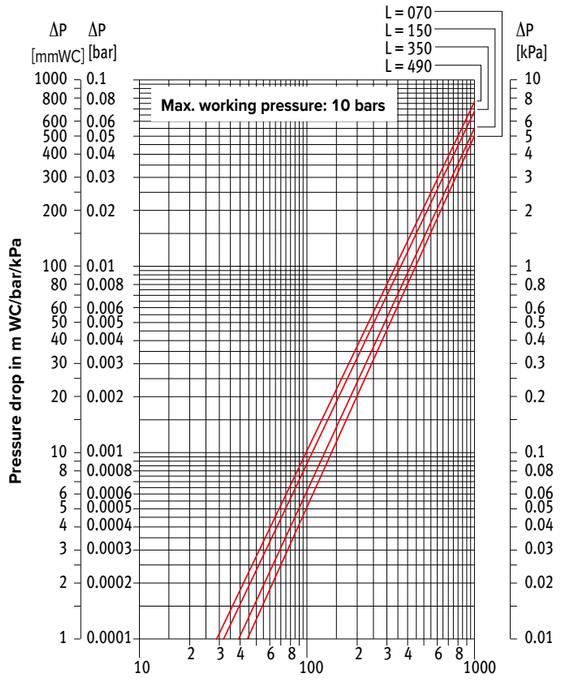


TYPE 11

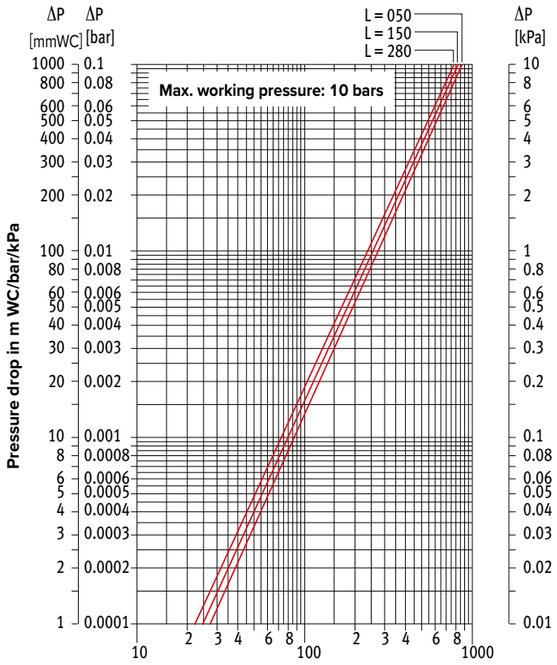


PRESSURE DROP - STRADA

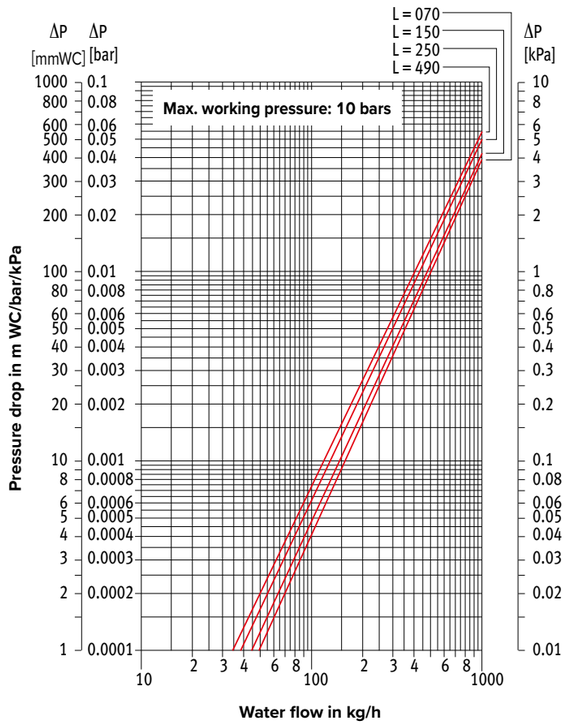
TYPE 15



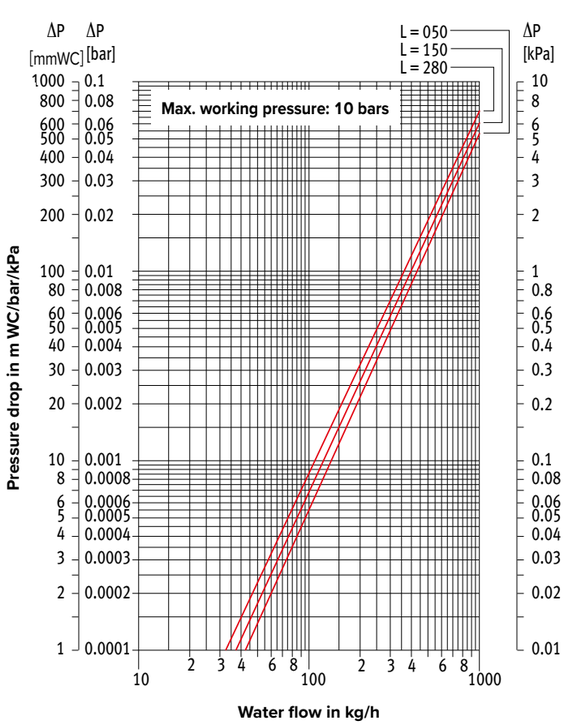
TYPE 16



TYPE 20



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.

SLEEVE COUPLING 1/2”

Copper Tube

CODE	Tube Ø
5098.110	10/1
5098.115	15/1

Steel Tube for C.H

CODE	Tube Ø
5094.502	1/2”

Please note other couplings are available on request.

ARTHRITIC AID

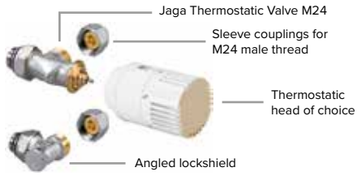
CODE
5090.ARTH

JAGA PRO THERMOSTATIC VALVE

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

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

JAGA THERMOSTATIC VALVE – WALL



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

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

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

JAGA THERMOSTATIC VALVE – FLOOR

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

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

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

HIGH LEVEL JAGA TOP VALVE

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

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

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

TRV HEADS

CODE
5090.1125

CODE
5090.1150

CODE
5090.1151

CODE
5090.1152

CODE
5090.1161

CODE	Description
5090.1125	White (Heating)
5090.1150	White (Heating)
5090.1151	Chrome (Heating)
5090.1152	Silver (Heating)
5090.1161	Heimeier Thermostatic Head HC (Heating + Cooling)

EN442 output at 20°C room temperature

JAGA COLOURS

Jaga colours are divided into three colour groups:

“Subtle & discreet” includes a selection of neutral colours that discreetly blend our units into the interior.

“Colours of nature” is a collection of 16 colours containing bright, variegated, greyish and pastel shades. From soft natural colours to dark chic. For the bold.

“Precious metals” includes metal lookalikes, in harmony with trends in the world of taps, lighting and bathroom accessories.

Jaga has environmentally-friendly electrostatic powder coating lines. Excess powder is recuperated and no solvents are used during this process. After having been thoroughly pretreated, the units are powder coated and baked. This ensures that the unit is both UV and scratch resistant.

What does the first digit of the colour code stand for?

Code 1xx Soft touch: finely-textured matte look, gloss degree < 10%

Code 0xx Metal lookalikes: the finish and the degree of gloss simulate the imitated material

Standard colours

133 - 233 - 333 RAL 9016
Traffic white

145 RAL 7021
Off-black

001
Sandblast grey

Subtle & discreet

101 - 201 - 301 RAL 9010
Pure white

102 - 202 - 302 RAL 9001
Off-white

103 - 203 - 303 RAL 7035
Light grey

146 - 246 - 346 RAL 7000
Squirrel grey

109 - 209 - 309 RAL 7011
Iron grey

131 - 231 - 331 RAL 7016
Anthracite grey

104 - 204 - 304 RAL 9005
Jet black

Colours of nature

157 NCS S 2005-Y20R
Sandstone

158 RDS 050 70 30
Siena ocher

159 RDS 060 60 60
Honey yellow

160
Chocolate

154 NCS S 1002-Y50R
Soft grey-pink

155 RDS 350 85 10
Millennium pink

111 RAL 3000
Flaming red

156 RAL 3004
Purple red

150 NCS S 1010-R80B
Soft grey-blue

151 RAL 5014
Pigeon blue

152 RAL 5010
Gentian blue

153 NCS S 8010-R90B
Midnight blue

147
Soft green-beige

148 RAL 6021
Pale green

149 RAL 6001
Emerald green

113 RAL 6009
English green

Precious metals

054 RAL 9006
White aluminium coloured

057
Titanium look

058
Rose gold look

059
Gold look

060
Copper look

061
Gunmetal grey look

062
Stainless steel look

063
Silver look

055
Corten steel look

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. The rendering of “055 Corten steel look” gives an impression of the end result.
Due to the uniqueness of the surface, the lacquer, and the applied techniques, each device will be unique.

NOTES

jaga

CLIMATE DESIGNERS

+44 1531 631 533
jaga@jaga.co.uk
www.jaga.co.uk

JAGA UK
Kriekels House,
Lower Road Trading Estate, Ledbury,
Herefordshire HR8 2DJ

STRADA0824 - JAGA UK