jaga

CLIMATE DESIGNERS

STRADA HYBRID MM

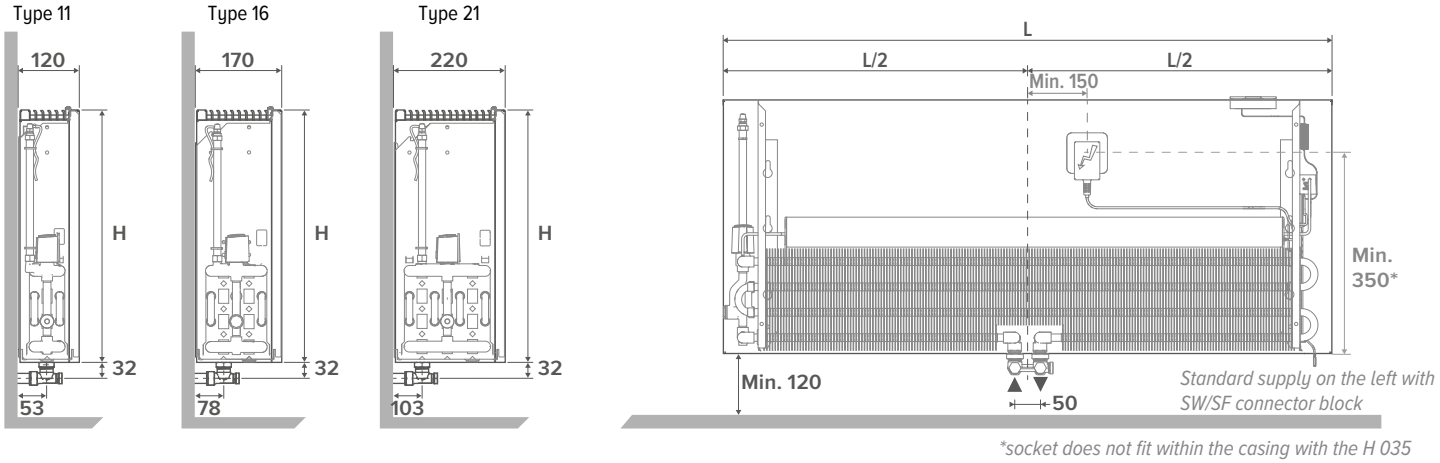
EXPORT@JAGA.BE +32 (0) 11 29 41 12

STRADA HYBRID MM

CONTENT

STRADA HYBRID MM

DIMENSIONS *(in mm)*



**socket does not fit within the casing with the H 035*

STANDARD DELIVERY

completely pre-assembled with:
- tight designer casing
- Low-H2O heat exchanger with valve insert, thermoelectric motor and extended air vent
- fan unit with operating panel, control system and 24 VDC power supply
- thermostatic control with touch-control operation in temperature mode (JAGA TPT)
- Euroconus connector block to wall or floor

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

COLOURS

Eco-friendly, scratch-resistant powder coating with high UV-resistance

Standard colours
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lak
- off-black (145), soft touch lightly-textured satin lacquer

Other colours

see Jaga colour chart.
Surcharge depends on the length of the unit:
- Length < 100 cm
- Length of 100 cm to 200 cm
- Length > 200 cm

CONNECTION

Standard

universal bottom connection MM, supply left

ORDER CODE

STRW 035 060 11 XXX MM D01 XX XXX

- 035 060 — *Height*
- 11 — *Length*
- XXX — *Type*
- MM — *Colour*
- D01 — *Central connection MM*
- XX — *Control: Jaga TPT: D01*
- XXX — *H-block*
Sleeve couplings Eurocone

CONNECTOR BLOCK - LEFT SUPPLY

To the wall - Eurocone

H-block

Two pipe / One pipe

CODE	
SW	ex. STRW 035 060 11 131 MM D01 **SW**)

To the floor - Eurocone

H-block

Two pipe / One pipe

CODE	
SF	ex. STRW 035 060 11 131 MM D01 **SF**)

CONNECTOR BLOCK - RIGHT SUPPLY

To the wall - Eurocone

Crossflow H-block

Two pipe

CODE	
CW	ex. STRW 035 060 11 131 MM D01 **CW**)

To the floor - Eurocone

Crossflow H-block

Two pipe

CODE	
CF	ex. STRW 035 060 11 131 MM D01 **CF**)

Sleeve couplings 3/4" Eurocone

PRECISION METAL TUBE	
CODE	*Tube Ø*
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

SYNTHETIC OR RPE/ALU	
CODE	*Tube Ø*
612	12/2
614	14/2
616	16/2
618	18/2
619	16/1.5
620	20/2

For extensive information on valves, see the brochure "Connection sets & Valves"

JDPC (JAGA DYNAMIC PRODUCT CONTROLLER)

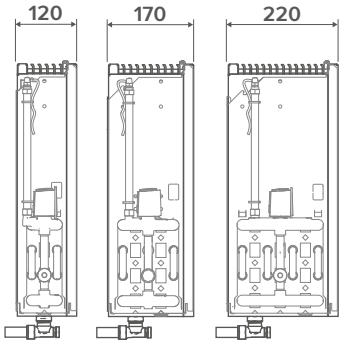
CONTROL PANEL

TYPE	POSITION	CONTROL PANEL	EXTERNAL 0-10 V CONTROL	WATER TEMPERATURE SENSOR	AIR TEMPERATURE SENSOR
Jaga TPT (D01)		✓	-	✓	✓

JAGA TPT (D01)

- The fan speed is automatically controlled in function of the preset comfort temperature via the fingertip controls. This allows the unit to be very silent once the comfort temperature is reached.
- When a Hybrid unit with Jaga TPT control is equipped with a thermoelectric valve motor connected to the internal electronics, the unit will take over the function of room thermostat. Based on the room temperature measurement, the unit will then switch on or off the water flow through the unit itself. When the water temperature in the heat exchanger is lower than 24°C, the fans will start. The unit will cool the area.
- If you wish to **set the room temperature via another system** that enables or disables the water flow through the unit, you do not need to connect a thermoelectric valve motor to the internal controller. The TPT controller will then only control the fan rotational speed based on the set comfort temperature. Intuitively, you will then use the fingertip control to get more or less fan support when the comfort temperature is reached.
- When the water temperature in the heat exchanger is lower than 24°C, the fans will start. The unit will cool the area.
- When the water temperature is higher than 28°C, the fans will start. The unit will heat the area.

STRADA HYBRID MM

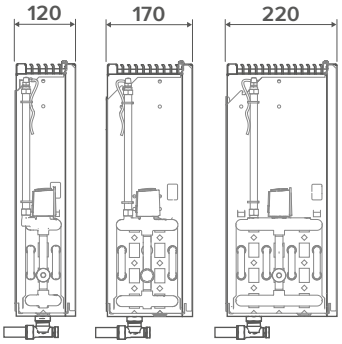


HEIGHT H cm	LENGTH L cm	TYPE T	POSITION	COOLING (non-condensing) Room temperature 27°C 16/18 Watts	HEATING Room temperature 20°C 35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	SOUND PRESSURE LEVEL dB(A)	POWER CONSUMPTION Watts	WEIGHT kg	WATER CONTENT L	ORDER CODE
STRW 035	060	11	1	191	246	474	592	647	26.0	4.8		0.8	STRW 035 060 11 XXX MM D01 XX XXX
			2	205	263	508	634	693	30.0	5.4			
			3	242	311	601	750	819	40.0	6.8			
		16	1	214	301	581	726	793	26.0	4.8		1.2	STRW 035 060 16 XXX MM D01 XX XXX
			2	230	323	624	779	851	30.0	5.5			
			3	305	428	826	1031	1126	41.1	7.2			
		21	1	234	416	779	963	1048	26.0	4.8		1.6	STRW 035 060 21 XXX MM D01 XX XXX
			2	251	447	836	1034	1125	30.0	5.5			
			3	332	591	1106	1368	1488	41.1	7.2			
	080	11	1	276	355	684	854	933	26.0	6.3		1.1	STRW 035 080 11 XXX MM D01 XX XXX
			2	296	381	735	917	1002	30.0	6.8			
			3	358	460	887	1107	1210	41.8	9.1			
		16	1	312	439	847	1058	1156	26.0	6.0		1.6	STRW 035 080 16 XXX MM D01 XX XXX
			2	335	471	908	1134	1239	30.0	6.7			
			3	450	632	1219	1522	1663	42.4	9.0			
		21	1	341	606	1135	1404	1527	26.0	6.0		2.1	STRW 035 080 21 XXX MM D01 XX XXX
			2	366	650	1217	1505	1638	30.0	6.7			
			3	490	872	1633	2019	2197	42.4	9.0			
	100	11	1	358	460	887	1107	1210	26.0	7.8		1.3	STRW 035 100 11 XXX MM D01 XX XXX
			2	385	495	955	1193	1303	30.0	8.7			
			3	473	608	1173	1464	1600	43.0	12.2			
		16	1	403	566	1092	1364	1490	26.0	7.0		2.0	STRW 035 100 16 XXX MM D01 XX XXX
			2	431	606	1169	1460	1595	30.0	7.7			
			3	595	836	1612	2013	2199	44.1	10.7			
		21	1	439	782	1464	1809	1969	26.0	7.0		2.7	STRW 035 100 21 XXX MM D01 XX XXX
			2	471	837	1567	1937	2108	30.0	7.7			
			3	649	1154	2160	2671	2906	44.1	10.7			
	120	11	1	437	562	1084	1354	1479	26.0	8.9		1.6	STRW 035 120 11 XXX MM D01 XX XXX
			2	473	607	1171	1463	1598	30.0	9.9			
			3	589	756	1459	1822	1990	44.0	14.8			
		16	1	496	698	1346	1681	1836	26.0	8.7		2.4	STRW 035 120 16 XXX MM D01 XX XXX
			2	532	747	1441	1800	1966	30.0	9.8			
			3	740	1039	2005	2504	2735	44.8	14.3			
		21	1	542	963	1804	2230	2426	26.0	8.7		3.2	STRW 035 120 21 XXX MM D01 XX XXX
			2	580	1032	1932	2388	2598	30.0	9.8			
			3	807	1435	2687	3322	3615	44.8	14.3			
	140	11	1	515	662	1277	1595	1743	26.0	10.1		1.9	STRW 035 140 11 XXX MM D01 XX XXX
			2	558	717	1383	1728	1887	30.0	11.2			
			3	704	904	1745	2179	2380	44.8	17.5			
		16	1	589	827	1596	1993	2177	26.0	9.6		2.8	STRW 035 140 16 XXX MM D01 XX XXX
			2	630	886	1709	2134	2332	30.0	10.5			
			3	885	1243	2398	2995	3272	45.4	16.1			
		21	1	642	1143	2139	2645	2877	26.0	9.6		3.7	STRW 035 140 21 XXX MM D01 XX XXX
			2	688	1224	2291	2832	3082	30.0	10.5			
			3	965	1717	3214	3974	4324	45.4	16.1			
	160	11	1	592	760	1467	1832	2001	26.0	11.0		2.1	STRW 035 160 11 XXX MM D01 XX XXX
			2	642	825	1592	1988	2172	30.0	12.4			
			3	819	1053	2031	2536	2771	45.5	19.2			
		16	1	676	951	1834	2290	2502	26.0	11.5		3.2	STRW 035 160 16 XXX MM D01 XX XXX
			2	722	1015	1958	2445	2671	30.0	12.8			
			3	1030	1447	2791	3486	3808	46.4	19.6			
		21	1	738	1313	2458	3039	3307	26.0	11.5		4.3	STRW 035 160 21 XXX MM D01 XX XXX
			2	788	1402	2624	3245	3530	30.0	12.8			
			3	1123	1998	3741	4625	5033	46.4	19.6			
	180	11	1	675	867	1673	2090	2283	26.0	12.2		2.4	STRW 035 180 11 XXX MM D01 XX XXX
			2	733	942	1816	2268	2478	30.0	13.7			
			3	935	1201	2317	2893	3161	46.0	22.0			
		16	1	686	1042	2011	2511	2743	26.0	11.5		3.6	STRW 035 180 16 XXX MM D01 XX XXX
			2	733	1113	2147	2681	2929	30.0	12.8			
			3	1045	1568	3060	3821	4175	46.4	19.6			
		21	1	750	1388	2599	3214	3497	26.0	11.5		4.8	STRW 035 180 21 XXX MM D01 XX XXX
			2	801	1482	2775	3431	3733	30.0	12.8			
			3	1142	2113	3956	4891	5322	46.4	19.6			

Output measured in accordance with EN 16430

**Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.*

enter colour code
enter connection code
fill in sleeve coupling code



HEIGHT H cm	LENGTH L cm	TYPE T	POSITION	COOLING (non-condensing) Room temperature 27°C 16/18 Watts	HEATING Room temperature 20°C 35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	SOUND PRESSURE LEVEL dB(A)	POWER CONSUMPTION Watts	WEIGHT kg	WATER CONTENT L	ORDER CODE
STRW 050	060	11	1	191	246	474	592	647	26.0	4.8		0.8	STRW 050 060 11 XXX MM D01 XX XXX
			2	205	263	508	634	693	30.0	5.4			
			3	242	311	601	750	819	40.0	6.8			
		16	1	214	301	581	726	793	26.0	4.8		1.2	STRW 050 060 16 XXX MM D01 XX XXX
			2	230	323	624	779	851	30.0	5.5			
			3	305	428	826	1031	1126	41.1	7.2			
		21	1	234	416	779	963	1048	26.0	4.8		1.6	STRW 050 060 21 XXX MM D01 XX XXX
			2	251	447	836	1034	1125	30.0	5.5			
			3	332	591	1106	1368	1488	41.1	7.2			
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		16	1	312	439	847	1058	1156	26.0	6.0		1.6	STRW 050 080 16 XXX MM D01 XX XXX
			2	335	471	908	1134	1239	30.0	6.7			
			3	450	632	1219	1522	1663	42.4	9.0			
		21	1	341	606	1135	1404	1527	26.0	6.0		2.1	STRW 050 080 21 XXX MM D01 XX XXX
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			2	385	495	955	1193	1303	30.0	8.7			
			3	473	608	1173	1464	1600	43.0	12.2			
		16	1	403	566	1092	1364	1490	26.0	7.0		2.0	STRW 050 100 16 XXX MM D01 XX XXX
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		21	1	439	782	1464	1809	1969	26.0	7.0		2.7	STRW 050 100 21 XXX MM D01 XX XXX
			2	471	837	1567	1937	2108	30.0	7.7			
			3	649	1154	2160	2671	2906	44.1	10.7			
	120	11	1	437	562	1084	1354	1479	26.0	8.9		1.6	STRW 050 120 11 XXX MM D01 XX XXX
			2	473	607	1171	1463	1598	30.0	9.9			
			3	589	756	1459	1822	1990	44.0	14.8			
		16	1	496	698	1346	1681	1836	26.0	8.7		2.4	STRW 050 120 16 XXX MM D01 XX XXX
			2	532	747	1441	1800	1966	30.0	9.8			
			3	740	1039	2005	2504	2735	44.8	14.3			
		21	1	542	963	1804	2230	2426	26.0	8.7		3.2	STRW 050 120 21 XXX MM D01 XX XXX
			2	580	1032	1932	2388	2598	30.0	9.8			
			3	807	1435	2687	3322	3615	44.8	14.3			
	140	11	1	515	662	1277	1595	1743	26.0	10.1		1.9	STRW 050 140 11 XXX MM D01 XX XXX
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			3	704	904	1745	2179	2380	44.8	17.5			
		16	1	589	827	1596	1993	2177	26.0	9.6		2.8	STRW 050 140 16 XXX MM D01 XX XXX
			2	630	886	1709	2134	2332	30.0	10.5			
			3	885	1243	2398	2995	3272	45.4	16.1			
		21	1	642	1143	2139	2645	2877	26.0	9.6		3.7	STRW 050 140 21 XXX MM D01 XX XXX
			2	688	1224	2291	2832	3082	30.0	10.5			
			3	965	1717	3214	3974	4324	45.4	16.1			
	160	11	1	592	760	1467	1832	2001	26.0	11.0		2.1	STRW 050 160 11 XXX MM D01 XX XXX
			2	642	825	1592	1988	2172	30.0	12.4			
			3	819	1053	2031	2536	2771	45.5	19.2			
		16	1	676	951	1834	2290	2502	26.0	11.5		3.2	STRW 050 160 16 XXX MM D01 XX XXX
			2	722	1015	1958	2445	2671	30.0	12.8			
			3	1030	1447	2791	3486	3808	46.4	19.6			
		21	1	738	1313	2458	3039	3307	26.0	11.5		4.3	STRW 050 160 21 XXX MM D01 XX XXX
			2	788	1402	2624	3245	3530	30.0	12.8			
			3	1123	1998	3741	4625	5033	46.4	19.6			
	180	11	1	675	867	1673	2090	2283	26.0	12.2		2.4	STRW 050 180 11 XXX MM D01 XX XXX
			2	733	942	1816	2268	2478	30.0	13.7			
			3	935	1201	2317	2893	3161	46.0	22.0			
		16	1	686	1042	2011	2511	2743	26.0	11.5		3.6	STRW 050 180 16 XXX MM D01 XX XXX
			2	733	1113	2147	2681	2929	30.0	12.8			
			3	1045	1568	3060	3821	4175	46.4	19.6			
		21	1	750	1388	2599	3214	3497	26.0	11.5		4.8	STRW 050 180 21 XXX MM D01 XX XXX
			2	801	1482	2775	3431	3733	30.0	12.8			
			3	1142	2113	3956	4891	5322	46.4	19.6			

Output measured in accordance with EN 16430

**Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.*

enter colour code

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fill in sleeve coupling code

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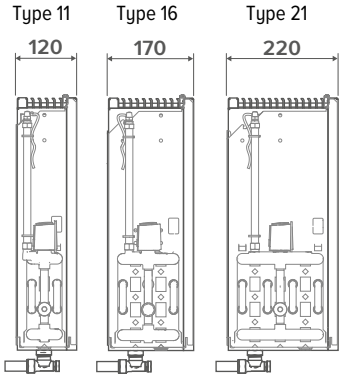

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STRW 065	060	11	1	177	246	474	592	647	26.0	4.8		0.8	STRW 065 060 11 XXX MM D01 XX XXX
			2	190	263	508	634	693	30.0	5.4			
			3	224	311	601	750	819	40.0	6.8			
		16	1	198	301	581	726	793	26.0	4.8		1.2	STRW 065 060 16 XXX MM D01 XX XXX
			2	213	323	624	779	851	30.0	5.5			
			3	282	428	826	1031	1126	41.1	7.2			
		21	1	216	416	779	963	1048	26.0	4.8		1.6	STRW 065 060 21 XXX MM D01 XX XXX
			2	232	447	836	1034	1125	30.0	5.5			
			3	307	591	1106	1368	1488	41.1	7.2			
	080	11	1	255	355	684	854	933	26.0	6.3		1.1	STRW 065 080 11 XXX MM D01 XX XXX
			2	274	381	735	917	1002	30.0	6.8			
			3	331	460	887	1107	1210	41.8	9.1			
		16	1	289	439	847	1058	1156	26.0	6.0		1.6	STRW 065 080 16 XXX MM D01 XX XXX
			2	310	471	908	1134	1239	30.0	6.7			
			3	416	632	1219	1522	1663	42.4	9.0			
		21	1	315	606	1135	1404	1527	26.0	6.0		2.1	STRW 065 080 21 XXX MM D01 XX XXX
			2	338	650	1217	1505	1638	30.0	6.7			
			3	454	872	1633	2019	2197	42.4	9.0			
	100	11	1	331	460	887	1107	1210	26.0	7.8		1.3	STRW 065 100 11 XXX MM D01 XX XXX
			2	356	495	955	1193	1303	30.0	8.7			
			3	438	608	1173	1464	1600	43.0	12.2			
		16	1	373	566	1092	1364	1490	26.0	7.0		2.0	STRW 065 100 16 XXX MM D01 XX XXX
			2	399	606	1169	1460	1595	30.0	7.7			
			3	550	836	1612	2013	2199	44.1	10.7			
		21	1	406	782	1464	1809	1969	26.0	7.0		2.7	STRW 065 100 21 XXX MM D01 XX XXX
			2	435	837	1567	1937	2108	30.0	7.7			
			3	600	1154	2160	2671	2906	44.1	10.7			
	120	11	1	404	562	1084	1354	1479	26.0	8.9		1.6	STRW 065 120 11 XXX MM D01 XX XXX
			2	438	607	1171	1463	1598	30.0	9.9			
			3	545	756	1459	1822	1990	44.0	14.8			
		16	1	459	698	1346	1681	1836	26.0	8.7		2.4	STRW 065 120 16 XXX MM D01 XX XXX
			2	492	747	1441	1800	1966	30.0	9.8			
			3	685	1039	2005	2504	2735	44.8	14.3			
		21	1	501	963	1804	2230	2426	26.0	8.7		3.2	STRW 065 120 21 XXX MM D01 XX XXX
			2	536	1032	1932	2388	2598	30.0	9.8			
			3	746	1435	2687	3322	3615	44.8	14.3			
	140	11	1	476	662	1277	1595	1743	26.0	10.1		1.9	STRW 065 140 11 XXX MM D01 XX XXX
			2	516	717	1383	1728	1887	30.0	11.2			
			3	651	904	1745	2179	2380	44.8	17.5			
		16	1	545	827	1596	1993	2177	26.0	9.6		2.8	STRW 065 140 16 XXX MM D01 XX XXX
			2	583	886	1709	2134	2332	30.0	10.5			
			3	819	1243	2398	2995	3272	45.4	16.1			
		21	1	594	1143	2139	2645	2877	26.0	9.6		3.7	STRW 065 140 21 XXX MM D01 XX XXX
			2	636	1224	2291	2832	3082	30.0	10.5			
			3	893	1717	3214	3974	4324	45.4	16.1			
	160	11	1	548	760	1467	1832	2001	26.0	11.0		2.1	STRW 065 160 11 XXX MM D01 XX XXX
			2	594	825	1592	1988	2172	30.0	12.4			
			3	758	1053	2031	2536	2771	45.5	19.2			
		16	1	625	951	1834	2290	2502	26.0	11.5		3.2	STRW 065 160 16 XXX MM D01 XX XXX
			2	668	1015	1958	2445	2671	30.0	12.8			
			3	953	1447	2791	3486	3808	46.4	19.6			
		21	1	683	1313	2458	3039	3307	26.0	11.5		4.3	STRW 065 160 21 XXX MM D01 XX XXX
			2	729	1402	2624	3245	3530	30.0	12.8			
			3	1039	1998	3741	4625	5033	46.4	19.6			
	180	11	1	624	867	1673	2090	2283	26.0	12.2		2.4	STRW 065 180 11 XXX MM D01 XX XXX
			2	678	942	1816	2268	2478	30.0	13.7			
			3	865	1201	2317	2893	3161	46.0	22.0			
		16	1	635	1042	2011	2511	2743	26.0	11.5		3.6	STRW 065 180 16 XXX MM D01 XX XXX
			2	678	1113	2147	2681	2929	30.0	12.8			
			3	966	1568	3060	3821	4175	46.4	19.6			
		21	1	694	1388	2599	3214	3497	26.0	11.5		4.8	STRW 065 180 21 XXX MM D01 XX XXX
			2	741	1482	2775	3431	3733	30.0	12.8			
			3	1056	2113	3956	4891	5322	46.4	19.6			

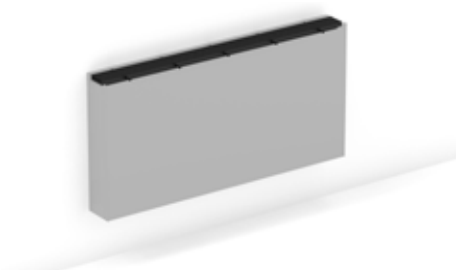
Output measured in accordance with EN 16430

**Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.*

enter colour code
enter connection code
fill in sleeve coupling code

STRADA HYBRID MM

GRILLE



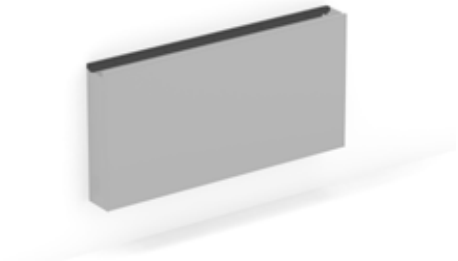
STANDARD DELIVERY:

- Standard colours: 133, 001 or 145
  other colours: see Jaga colour chart

ORDER CODE

5621 000 050 11 XXX
- XXX: Colour
- 11: Type
- 050: Length

BACK BAR



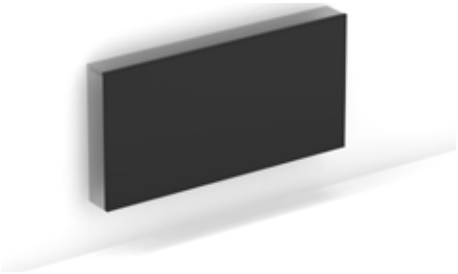
STANDARD DELIVERY:

- Standard colours: 133, 001 or 145
  other colours: see Jaga colour chart

ORDER CODE

5521 000 050 00 XXX
- XXX: Colour
- 050: Length

FRONT PANEL



STANDARD DELIVERY:

- Standard colours: 133, 001 or 145
  other colours: see Jaga colour chart

ORDER CODE

5503 020 050 00 XXX
- XXX: Colour
- 050: Length
- 020: Height

SIDES (in pairs)

STANDARD DELIVERY:

- Standard colours: 133, 001 or 145
  other colours: see Jaga colour chart

ORDER CODE

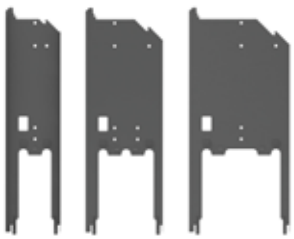
5271 020 000 11 XXX
- XXX: Colour
- 11: Type
- 020: Height

MOUNTING SET FOR BACK BAR (in pairs)

ORDER CODE

5521 011

BRACKETS (per unit)



Number of brackets for heat exchanger
- from lengths 050 to 120 cm: 2 units
- from lengths 140 to 220 cm: 3 units

ORDER CODE

5121 020 000 11
- 11: Type of heat exchanger
- 020: Height

STRADA HYBRID MM

HEAT EXCHANGER

STANDARD DELIVERY:

- heat exchanger
- incl. angled air vent and drain cock

ORDER CODE

5003 000 050 11

- 11 — *Type of heat exchanger*
- 050 — *Length*

Overview types of heat exchangers

	Strada Hybrid MM Type 11	Strada Hybrid MM Type 16	Strada Hybrid MM Type 21
HEIGHT 035 HEIGHT 050 HEIGHT 065			

DBH UPGRADE SET

STANDARD DELIVERY:

- fan unit(s)
- control board with microcontroller
- AC adapter 230 V/ 24VDC

ORDER CODE

DBHS 060 10 D01 EU

- D01 — *Control: Jaga TPT (D01)*
- 10 — *DBH Upgrade set*
- 060 — *Length*

Which type of fan unit is suited for a type of heat exchanger?

	Linea Plus Hybrid Type 11	Linea Plus Hybrid Type 16	Linea Plus Hybrid Type 21
DBH unit 10			
DBH unit 15			

The indicated outputs at ΔT 50 are exact values, measured in accordance with EN442. This table provides a calculated value using an average correction factor for all other ΔT outputs, valid for all dimensions.

Click *www.jaga.com/selection-tools/* to download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

AVERAGE CORRECTION FACTORS FOR HYBRID PRODUCTS - 75/65/20°C

room temperature: 20°C **Average N-value: 1.10**

TR	65	60	55	50	45	40	35	30	25
TA									
75	1.00	0.94	0.88	0.81	0.74	0.67	0.59	0.50	0.38
70	0.95	0.89	0.83	0.77	0.70	0.63	0.55	0.47	0.36
65		0.84	0.78	0.72	0.66	0.59	0.52	0.43	0.33
60			0.73	0.67	0.61	0.55	0.48	0.40	0.30
55				0.62	0.57	0.51	0.44	0.37	0.28
50					0.52	0.46	0.40	0.33	0.25
45						0.42	0.36	0.29	0.22
40							0.31	0.26	0.19
35								0.22	0.15
30									0.12

room temperature: 24°C **Average N-value: 1.10**

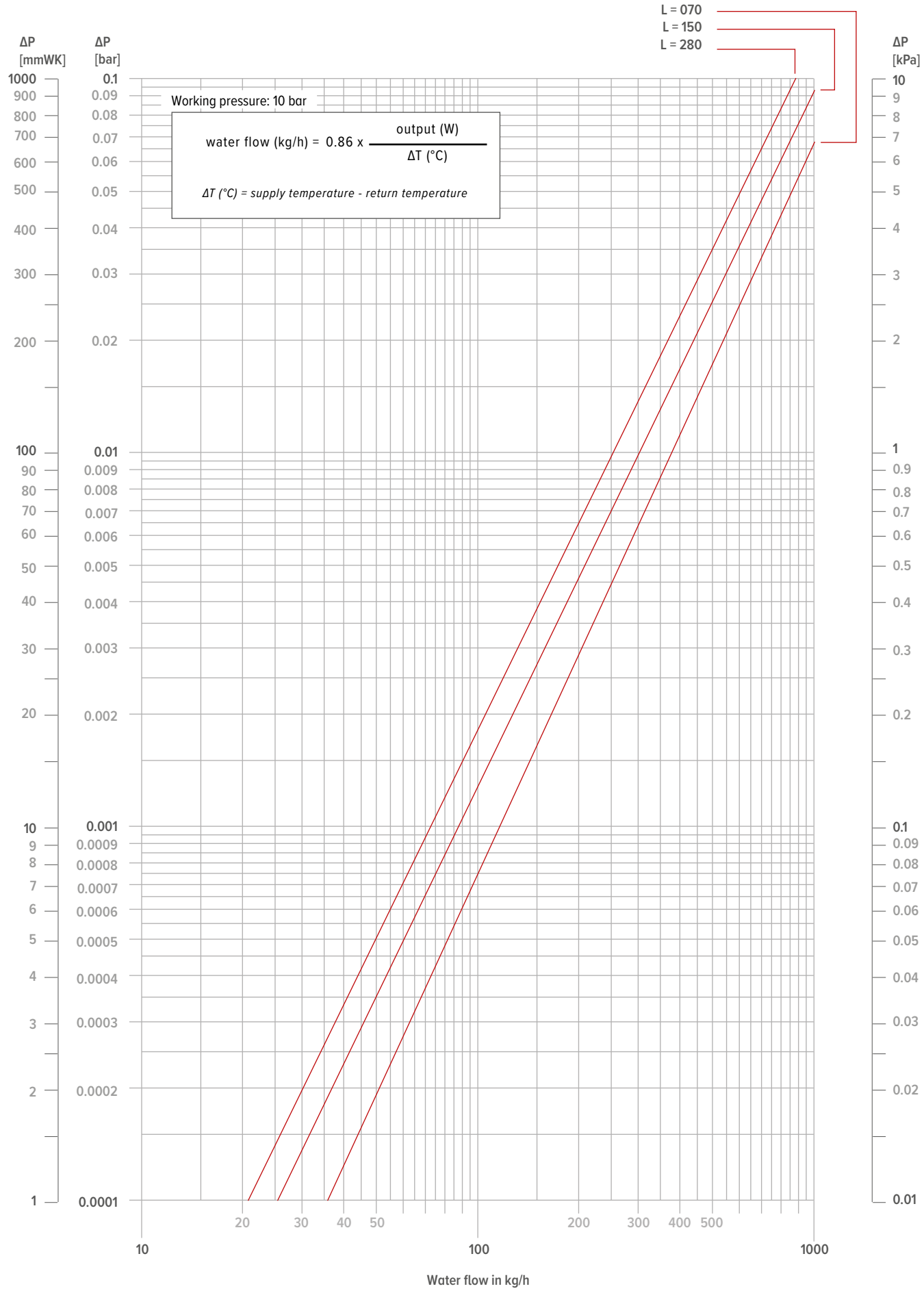
TR	65	60	55	50	45	40	35	30	25
TA									
75	0.91	0.85	0.79	0.72	0.65	0.58	0.49	0.39	0.22
70	0.86	0.80	0.74	0.68	0.61	0.54	0.46	0.36	0.20
65		0.75	0.69	0.63	0.57	0.50	0.42	0.33	0.19
60			0.64	0.59	0.53	0.46	0.39	0.30	0.17
55				0.54	0.48	0.42	0.35	0.27	0.15
50					0.44	0.38	0.32	0.24	0.13
45						0.33	0.28	0.21	0.11
40							0.23	0.17	0.09
35								0.14	0.07
30									0.04

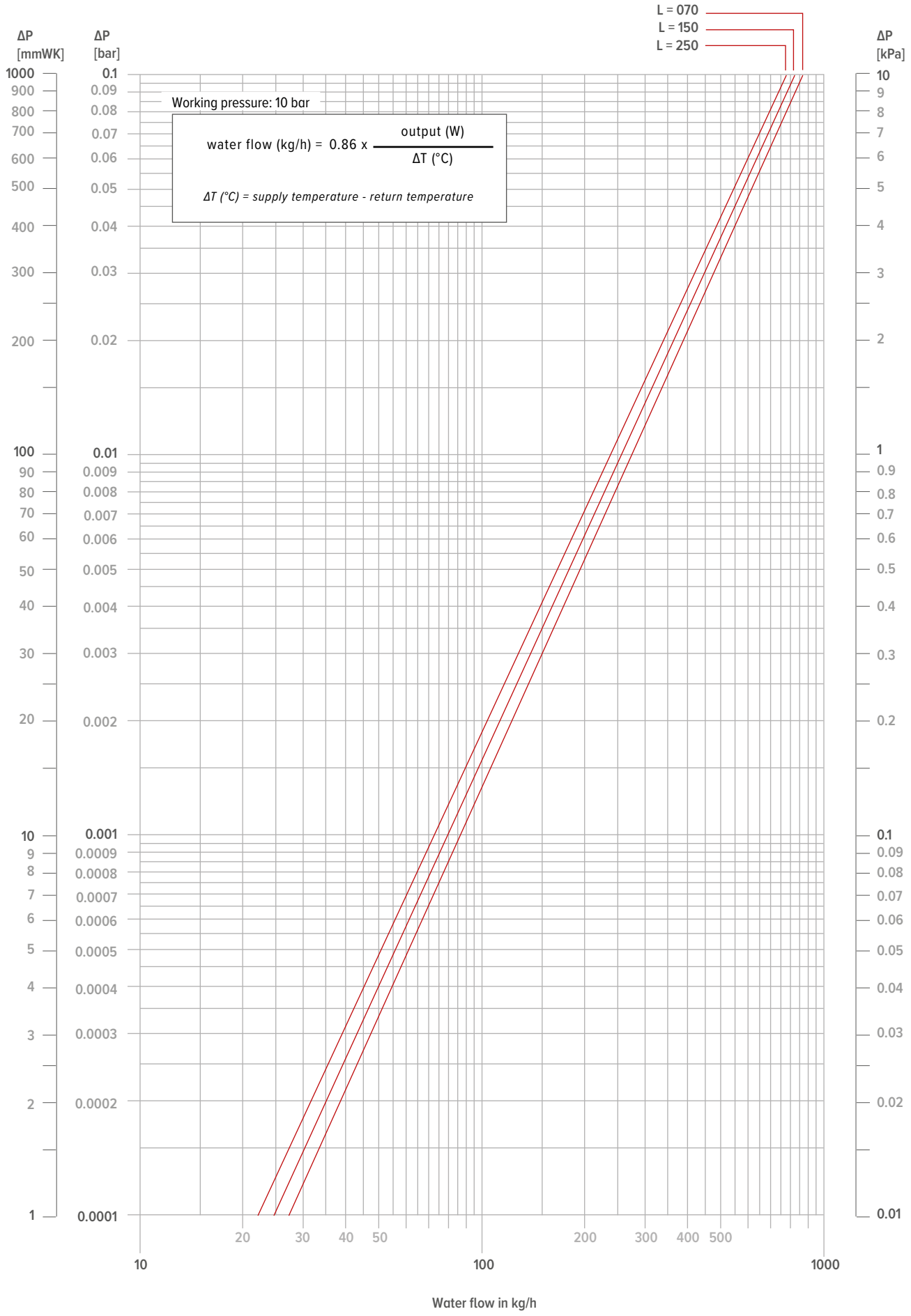
GUIDELINE FOR LIMITING FLOW NOISE

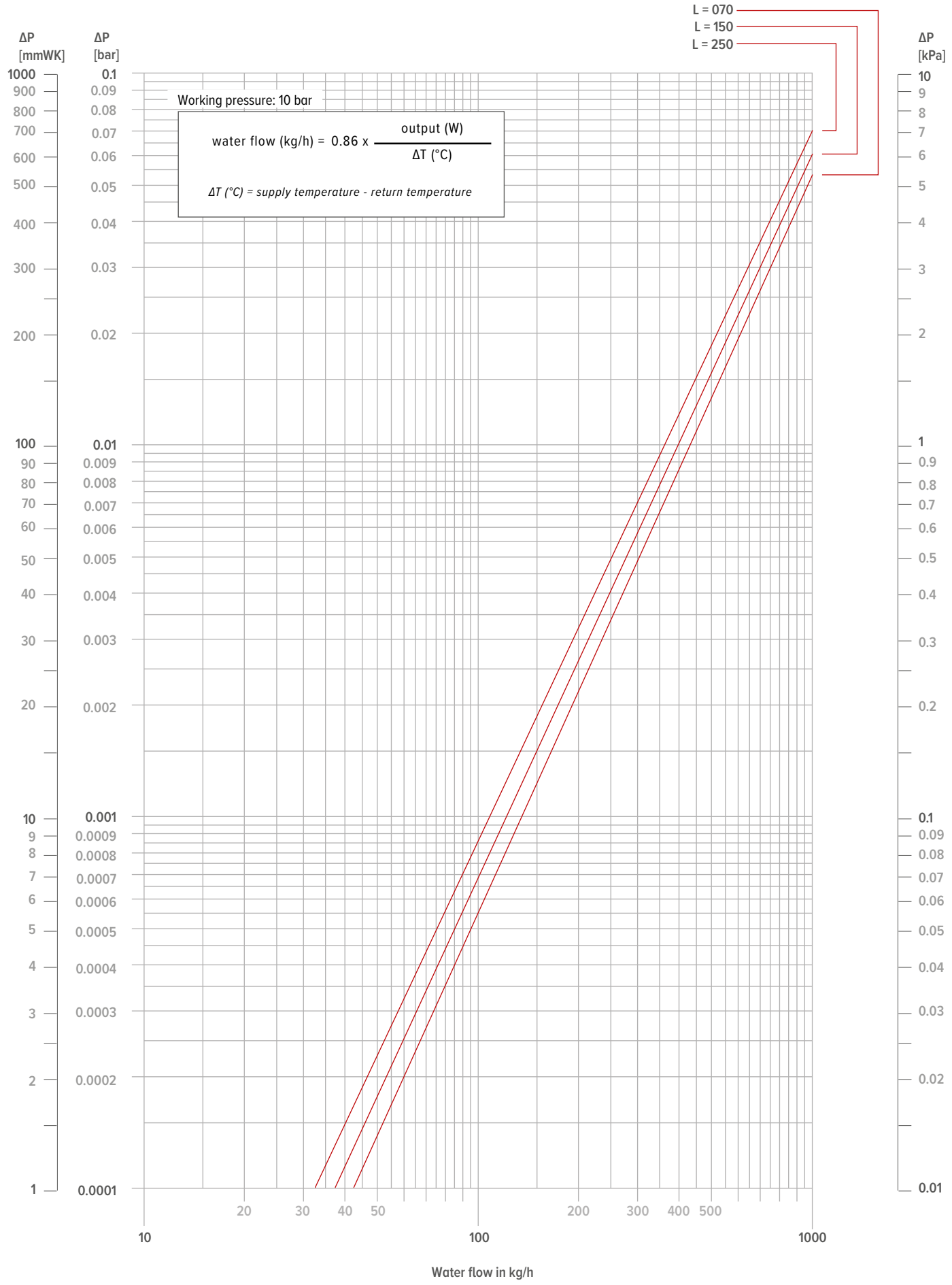
TUBE	outer Ø	Wall thick-ness	Max. water speed (EN10255)	water content per metre	max. water flow	Maximum power at ΔT (° C) (T supply - T return)						
						ΔT 30	ΔT 20	ΔT 10	ΔT 5	ΔT 4	ΔT 3	ΔT 2
	mm	*mm*	*m/s*	*l*	*kg/h*	*Watts*	*Watts*	*Watts*	*Watts*	*Watts*	*Watts*	*Watts*
GALVANISED PIPE DIN 2440												
3/8 DN10 OD	17.2	2.35	0.40	0.12	173	6028	4019	2009	1005	804	603	402
1/2 DN15 OD	21.3	2.65	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
3/4 DN20 OD	26.9	2.65	0.42	0.37	559	19515	13010	6505	3253	2602	1952	1301
1 DN25 OD	33.7	3.25	0.49	0.58	1023	35690	23793	11897	5948	4759	3569	2379
1 1/4 DN32 OD	42.4	3.25	0.60	1.01	2182	76101	50734	25367	12684	10147	7610	5073
1 1/2 DN40 OD	48.3	3.25	0.66	1.37	3255	113549	75700	37850	18925	15140	11355	7570
2 DN50 OD	60.3	3.65	0.80	2.21	6365	222025	148017	74008	37004	29603	22203	14802
PRECISION METAL TUBE												
10/1	10	1.00	0.40	0.05	72	2512	1674	837	419	335	251	167
12/1	12	1.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
14/1	14	1.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
15/1	15	1.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/1	16	1.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
18/1	18	1.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
22/1	22	1.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
28/1	28	1.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
RPE/ALU												
12/2	12	2.00	0.40	0.05	72	2512	1674	837	419	335	251	167
14/2	14	2.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
16/1.5	16	1.50	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/2	16	2.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
17/2	17	2.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
18/2	18	2.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
20/2	20	2.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
26/3	26	3.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
32/3	32	3.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
40/3.5	40	3.50	0.56	0.86	1726	60220	40147	20073	10037	8029	6022	4015
50/4.25	50	4.25	0.66	1.35	3206	111824	74549	37275	18637	14910	11182	7455
63/5	63	5.00	0.80	2.21	6346	221359	147573	73786	36893	29515	22136	14757

STRADA HYBRID MM

PRESSURE DROP TYPE 11




L = 070
L = 150
L = 250
ΔP [mmWK]
ΔP [bar]
ΔP [kPa]
Working pressure: 10 bar
water flow (kg/h) = 0.86 x output (W) / ΔT (°C)
ΔT (°C) = supply temperature - return temperature
Water flow in kg/h


L = 070
L = 150
L = 250
ΔP [mmWK]
ΔP [bar]
ΔP [kPa]
Working pressure: 10 bar
water flow (kg/h) = 0.86 x output (W) / ΔT (°C)
ΔT (°C) = supply temperature - return temperature
1000 900 800 700 600 500 400 300 200 100 90 80 70 60 50 40 30 20 10 9 8 7 6 5 4 3 2 1
0.1 0.09 0.08 0.07 0.06 0.05 0.04 0.03 0.02 0.01 0.009 0.008 0.007 0.006 0.005 0.004 0.003 0.002 0.001 0.0009 0.0008 0.0007 0.0006 0.0005 0.0004 0.0003 0.0002 0.0001
10 9 8 7 6 5 4 3 2 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.09 0.08 0.07 0.06 0.05 0.04 0.03 0.02 0.01
10 20 30 40 50 100 200 300 400 500 1000
Water flow in kg/h

jaga CLIMATE DESIGNERS

JAGA INTERNATIONAL JAGA NV

In need of some advice? Make an appointment at the Jaga Advice Centre.

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