



CLIMA CANAL 13 B27



CLIMA CANAL 13 B27

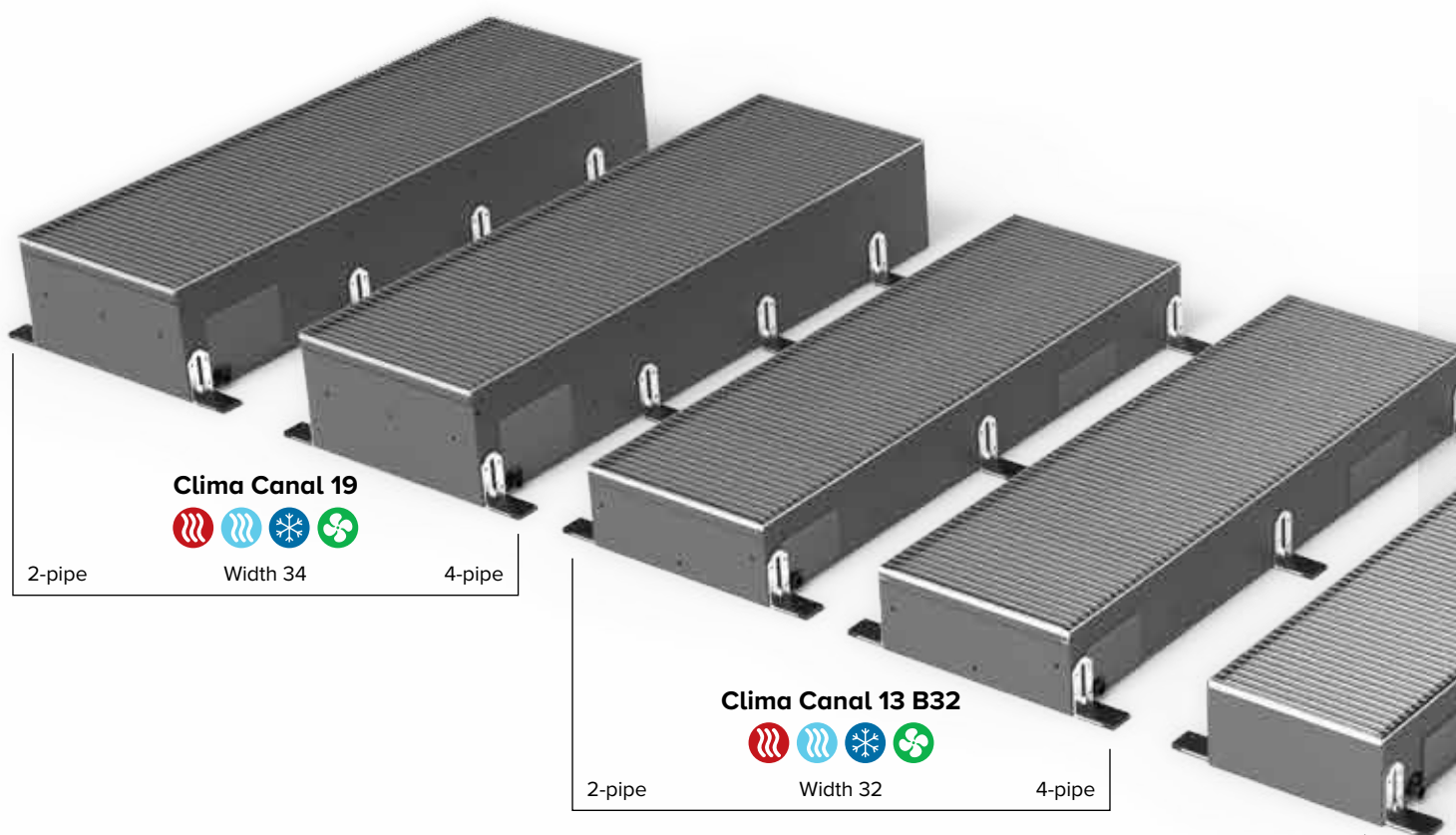
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COMPLETE CLIMATE CONTROL, POWERFUL AND DISCREET

The Jaga floor convector heaters offer the ideal climate solution, they provide comfortable heating and cooling at a very low noise level without hindering your outside view. An additional advantage is the optimal distribution of hot (or cool) air throughout the area.

Jaga Clima Canals provide answer to cold trap in large glass areas. The downward cold airflow at glass walls often creates an uncomfortable comfort feeling Clima Canals create a warm air curtain. The cold air layer of the window is drawn against the floor, warmed and mixed with the warmer upper air, achieving a balanced and even comfort temperature. This is done extremely efficiently due to the placement of the heat exchanger on the window side of the well. Jaga Clima Canals provide answer to cold traps at large glazed areas. The downward cold air flow at glass walls often creates an uncomfortable comfort feeling Clima Canals create a warm air curtain. In heating mode, the cold air layer of the window is drawn against the floor, warmed and mixed with the warmer upper air. In cooling mode, the warmer upper air is pressed against the floor inside the room and re-circulated across the floor to the window section, and cooled by the heat exchanger, achieving a balanced and even comfort temperature throughout the room. This is done extremely efficiently due to the placement of the heat exchanger on the window side of the well.

Clima Canal is more than just heating. The units can be equipped with a ventilation connection to provide a completely invisible, comfortable and preheated fresh air supply. Combined with a heat pump, the Clima Canal is also a powerful cooler.



SOPHISTICATED DESIGN

Clima Canals offer powerful climate technology from minimal installation depths. After finishing, only the grille remains visible, which can be adapted to the interior flawlessly thanks to the wide variety of colour options and materials available. With all the internal components coated dark grey, the entire interior is designed to be invisible.

For safety and performance purposes, floor convectors must not be covered by furniture or window coverings. Therefore, the space between the unit and the window should be considered when fitting curtains and blinds to ensure they do not touch the unit. For optimal comfort, the floor duct is preferably the same length as the window.

QUALITY WITHOUT CONCESSIONS

The use of high-quality materials, such as copper and aluminium for the heat exchanger and electro-galvanised steel for the duct, provides a perfect rustproof end product, with all its components carefully coated with a UV-resistant polyester paint of the highest quality. The specially selected EC motor operates in a sealed dust-free environment with a balanced and vibration-free movement.

Clima Canal 13 B27

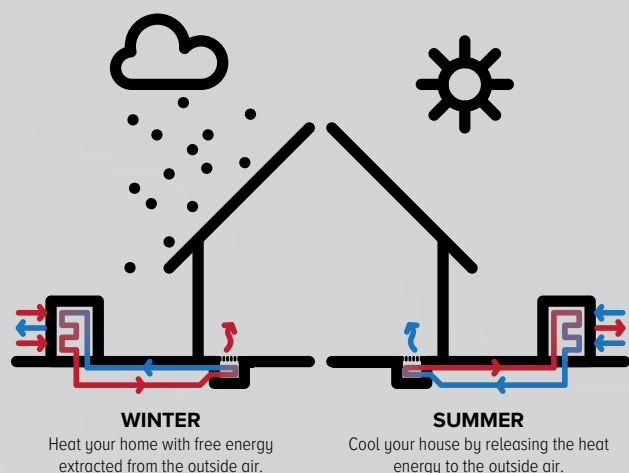


HEATING AND COOLING WITH HEAT PUMP

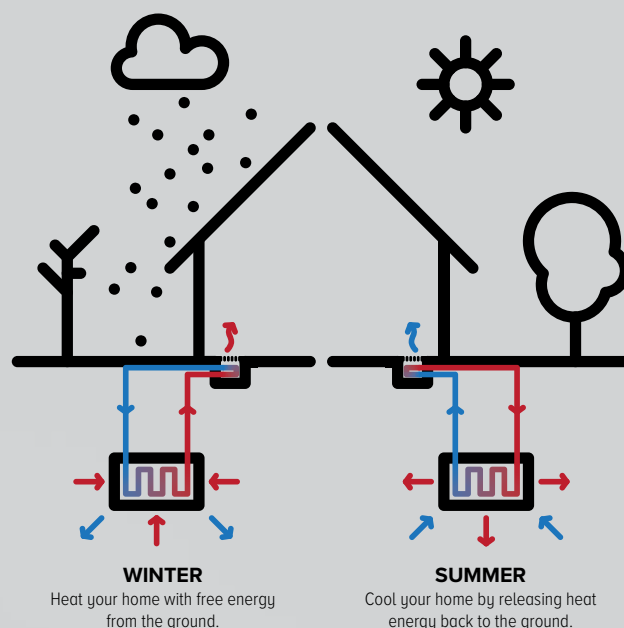
With its low water content and high thermal conductivity coefficient for low supply temperatures, the Clima Canal is the ideal match for your heat pump and it allows the units to react extremely efficiently to your heating or cooling demands, even at low supply temperatures.

Depending on your cooling needs, you can opt for Light or Deep Cooling. Clima Canal 08 is ideal for Light Cooling (non-condensing cooling). Clima Canal 10, 13 and 19 are supplied with a condensation drain and are therefore suitable for Deep Cooling (condensing cooling).

WITH AIR-TO-WATER HEAT PUMP



WITH GEOTHERMAL HEAT PUMP



Clima Canal 10 Plug & Play



Width 18
2-pipe

Clima Canal 10



Width 18
2-pipe

Clima Canal 08



Width 18
2-pipe

- Condensing cooling
- Non-condensing cooling
- Ventilation (option)
- Heating

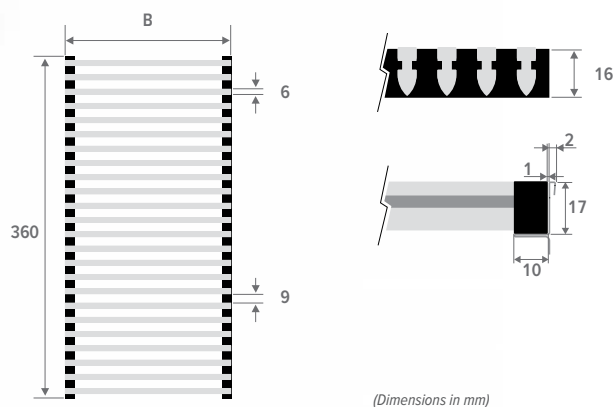


ALUMINIUM GRILLES

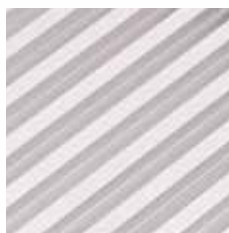
Aluminium panel grille with aerodynamically shaped transverse profiles in black vibration-free EPDM, grille supports EPDM rubber hardness 85.

PROPERTIES

- provided as standard to enable continuous installation
- sound-insulating EPDM rubber supports
- developed for easy maintenance of the units
/ the aluminium profiles are low maintenance
- eco-friendly, scratch-resistant powder coating with high UV-resistance

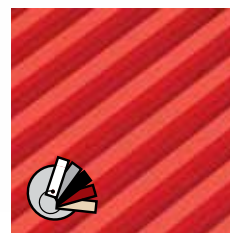


ALUMINIUM NATURAL COLOUR ANODISED GRILLES



BNA

Alu. natural



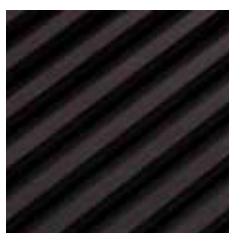
BNC/XXX

Alu. coated



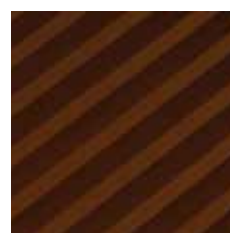
Our grilles are available in all colours, with the exception of Sand blast grey 001. In case of intensive use (installation in circulation areas, for example in front of sliding windows and doors), wear is evidently inevitable.

COLOURED ANODISED ALUMINIUM GRILLES



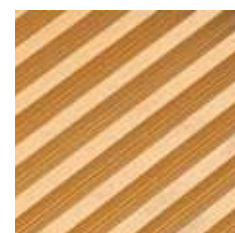
BAN/AN1

Black



BAN/AN2

Dark brown



BAN/AN3

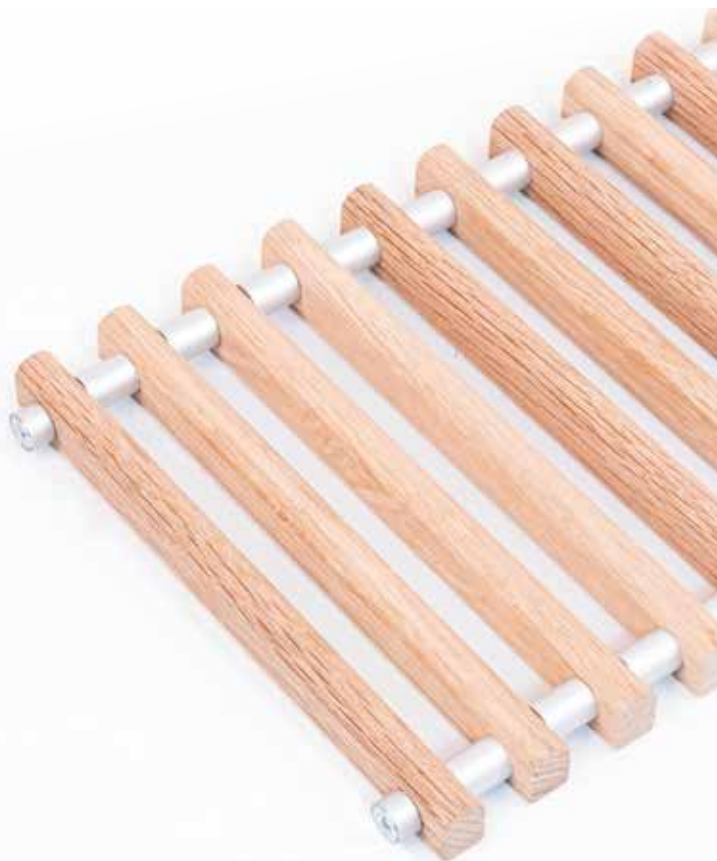
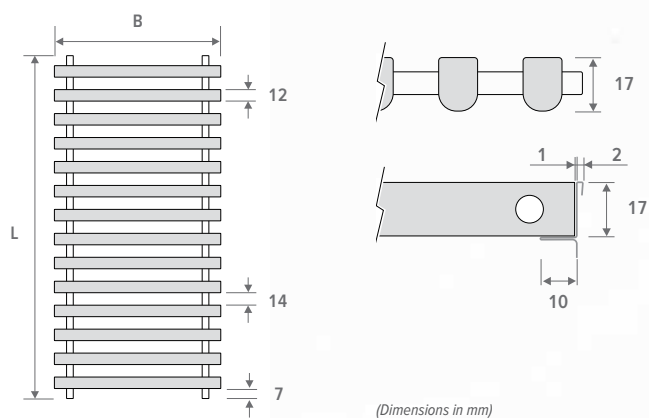
Brass-coloured

WOODEN ROLL-UP GRILLES

Wooden grille with aerodynamically shaped transverse profiles, connected with a galvanised spring. Aluminium inserts are used to ensure the correct clearance.

PROPERTIES

- provided as standard to enable continuous installation
- natural colour (untreated), allowing the customer to finish the grille to match the floor



NATURAL WOODEN GRILLES



BON Oak natural **BBN** Beech natural

VARNISHED WOODEN GRILLES



BOV Oak varnished **BBV** Beech varnished

jaga
CLIMATE
DESIGNERS

CLIMA CANAL 13 B27





HEIGHT-ADJUSTABLE BASE 0 > 4.5 cm, provided with acoustic decoupling

PROTECTION PANEL panel for mounting and site protection

GRILLE aluminium and wooden grilles in a variety of colours and materials



alu. natural
grille

coated alu
grille

coloured
anodised alu
grille

natural wooden
grille

varnished
wooden grille

STAINLESS STEEL flexible connections 1/2", 15 cm long
stainless steel flexible hoses allow the internal
mechanism to be removed completely for easy cleaning

VALVES COVER PLATE

**ELECTRICAL CONNECTION ON THE
INSIDE**

**HEIGHT ADJUSTMENT
SCREW**

FINE ADJUSTMENT
to max. +0.8 cm, for a perfect
alignment with the finished floor

HYDRONIC & ELECTRICAL CONNECTION
always left-hand side

DYNAMIC HEAT EXCHANGER 4-PIPE

EC FANS

CONDENSATE TRAY, for drainage (ø 2 cm) of condensate water

DUCT WITH STAINLESS STEEL GRILLE SUPPORT, coated housing in sendzimir galvanised steel plate

**OPTIONAL
NOZZLE(S)**
for ventilation duct

ORDER CODE CLIMA CANAL 13 B27

QUAF 013 080 27 XXX F A D06 VV

*Option: air outlet vent**Control:*

- Jaga BMS 0-10V control: D04
- Jaga 3 settings controller: D06
- Jaga On/off: D08

Height adjustment:

- Adjustable 0 - 4,5 cm: A
- Adjustable 4,5 - 10 cm: B

*Stainless steel flexible connections**Grille**Width**Length**Height*

HEIGHT

13 cm

LENGTH

080 cm / 110 cm / 160 cm / 180 cm

WIDTH

27 cm

GRILLES



BNA



BON



BBN



BNC/XXX



BOV



BBV



BAN/AN1



BAN/AN2



BAN/AN3

GRILLE: COLOUR

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

STAINLESS STEEL FLEXIBLE CONNECTIONS



HEIGHT ADJUSTMENT



- A Adjustable 0 - 4,5 cm
- B Adjustable 4,5 - 10 cm

CONTROL SYSTEMS

JDPC (Jaga Dynamic Product Controller)



Control panel

OPTIE

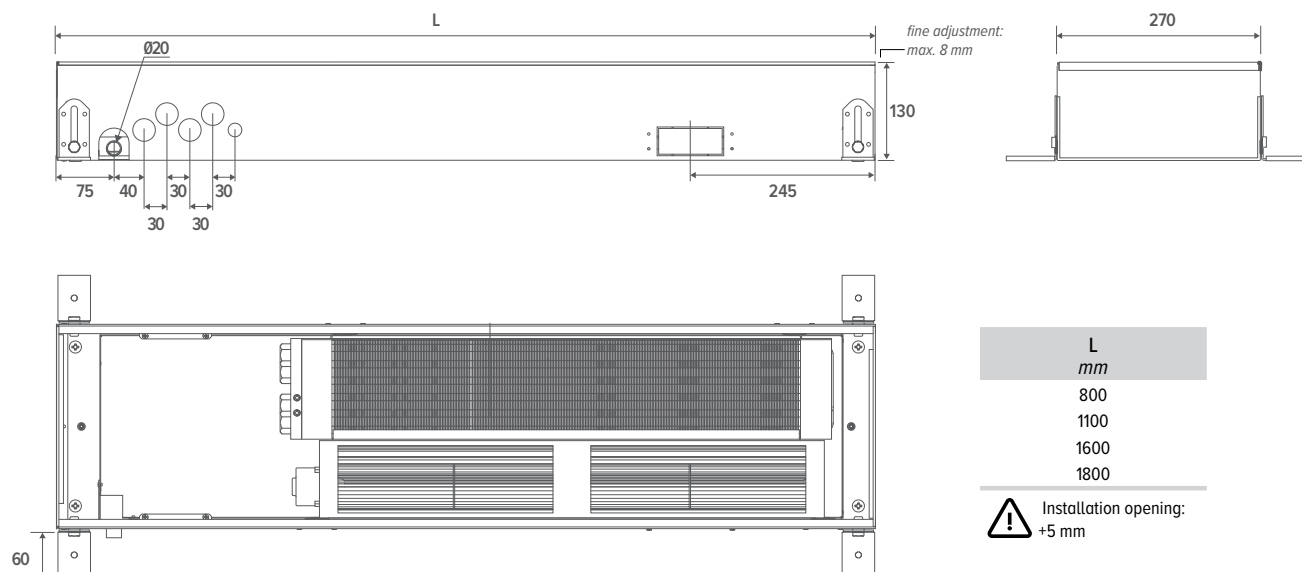
AIR OUTLET VENT



STANDARD DELIVERY:

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- grille(s): anodised aluminium or wood
- dynamic heat exchanger
- thermal activator(s), (tangential mini activator) 24 VDC
- stainless steel flexible connections 1/2", 15 cm long
- provided as standard to enable continuous installation
- height-adjustable base 0 < 4.5 cm
- fine adjustment 0 > 0.8 cm
- cover plate

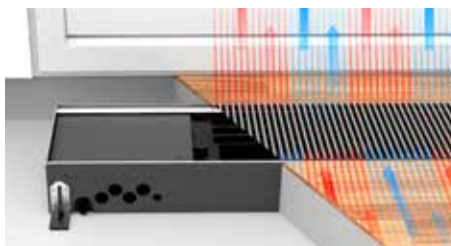
DIMENSIONS (in mm)



INSTALLATION

- For the distance between the duct and the window, any wall-mounted cornices must be taken into account. Curtains can never be suspended over the duct. The heating element needs to be accessible for maintenance at all times.
- Curtains to the floor: Place the unit at least 20 cm from the window.
- If the unit is not mounted directly onto the even floor, the space between the underside of the unit and the floor needs to be filled with a stable type of filling, such as in-situ concrete.
- Always install with the heat exchangers facing the window or the wall
- Connections always on the left

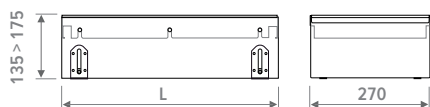
Operating principle



Through-mounting

All Clima Canal are prepared for continuous installation. Visually from the outside, there is only one nice lined-up Clima Canal, but under the floor each Clima Canal has its own connection.

EMPTY HOUSING



- to fill open spaces for a continuous installation
- aluminium or wooden grille
- duct with stainless steel grille support
- height adjustment 13.5 > 17.5 cm
- height control with fine adjustment to align with the finished floor
- protection panel

CODE	L cm
QUAD 013 080 27 XXX	080
QUAD 013 110 27 XXX	110
QUAD 013 160 27 XXX	160
QUAD 013 180 27 XXX	180

fill in grille code

CORNER PIECE



- aluminium grille natural or coated
- duct with stainless steel grille support
- height adjustment: 13 > 17 cm
- height control with fine adjustment to align with the finished floor

CODE	
QUAD 013 033 27 BNA	Alu. natural
QUAD 013 033 27 BNC XXX	Alu. coated

enter colour code

MOUTHPIECE FOR VENTILATION DUCT

Metal mouthpiece



- connection for pretreated air
- height 4 cm x length 9 cm
- made from galvanised steel plate

CODE

CLCD 013 LLL 27 XXX F DDD V1 4 x 9 cm

enter control system code
fill in grille code
fill out length

Synthetic mouthpiece



- pre-assembled ex-factory
- height 5.2 cm x length 13.2 cm
- synthetic material
- supplied with snap connections
- 2 O-rings are supplied

CODE

CLCD 013 LLL 27 RRR F DDD V5 Pre-perforated opening

CLCD 013 LLL 27 RRR F DDD V6 Pre-mountend

enter control system code
fill in grille code
fill out length

Max. number of connection adapters per length

LENGTH

080	1 connection adapter
110	2 connection adapters
160	3 connection adapters
180	4 connection adapters

HEIGHT-ADJUSTABLE BASE FOR SYSTEM FLOORS



- painted in dark grey RAL 7024
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Clima Canal length

L 080 = 1 set
L 110 = 1 set
L 160 = 2 sets
L 180 = 2 sets

CODE

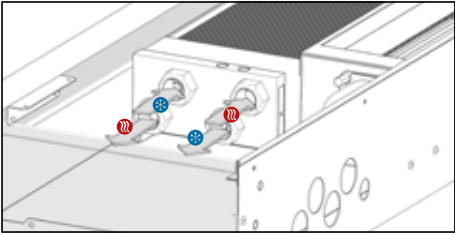
H

cm

5208 0507 0000	5 / 7
5208 0813 0000	8 / 13
5208 1323 0000	13 / 23
5208 2030 0000	20 / 30

HYDRONIC CONNECTION

- the heat exchangers with same end connection are always connected on the left side of a two-pipe installation
- always install with the heat exchangers facing the window or the wall



CONNECTION POSSIBILITIES

Connection set with Jaga two-way valve 24 VDC 1/2" default setting in 6 steps

Thermostatic head of choice

Thermostatic valve G1/2"

Lockshield valve straight G1/2"

Sleeve couplings for 3/4" Eurocone

set 297 **KVS 0.8 - default setting in 6 steps**

CODY JA4 24 4...	24 VDC	
CODY JA4 10 4...	0..10 VDC	

Connection set with Jaga two-way valve 24 VDC 1/2" without default setting

Thermostatic head of choice

Thermostatic valve G1/2"

Lockshield valve straight G1/2"

Sleeve couplings for 3/4" Eurocone

set 298 **KVS 1.0 - without default setting**

CODY WA4 24 4...	24 VDC	
CODY WA4 10 4...	0..10 VDC	

Connection set with 2 lockshield valves G1/2"

Lockshield valve angled

Lockshield valve straight G1/2"

Sleeve couplings for 3/4" Eurocone

set 299 **KVS 1.2 - Kv max. 0.6**

CODY LOM 00 4...	fill in sleeve coupling code
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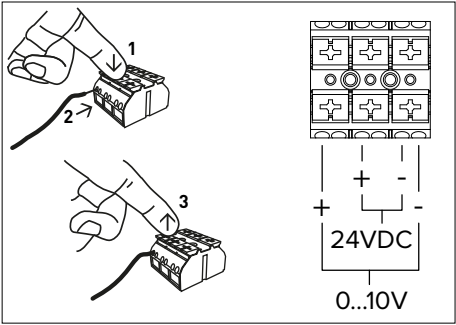
Sleeve couplings 3/4" Eurocone

PRECISION METAL TUBE		SYNTHETIC OR RPE/ALU	
CODE	Tube Ø	CODE	Tube Ø
112	12/1	612	12/2
114	14/1	614	14/2
115	15/1	616	16/2
116	16/1	618	18/2
118	18/1	619	16/1.5
		620	20/2

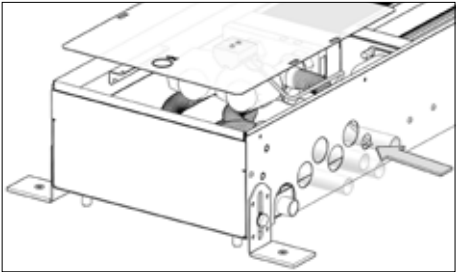
CLIMA CANAL 13 B27

ELECTRICAL CONNECTION

- clamp connector for 24 VDC electrical connection on the left, to be connected via external power supply.
- controlling fan speed with 0-10 V signal
- the warranty only applies when original Jaga power supplies were used



On the side of the hydronic connection, you can also find the terminal block for the electrical connection. The electrical connection is connected to the black block at the base of the protective cover.



POWER SUPPLIES

⚠ Jaga units are only CE: EN-60335 certified with use of the original Jaga power supplies

Waterproof power supply 24 VDC with waterproof cable gland

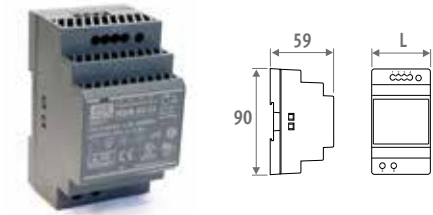


- with waterproof swivel nut connector
- in compliance with UL1310 - EN 60950-1/ Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- output current 1.67 A
- output 40 Watts
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	OUTPUT Watts	OUTPUT CURRENT A
37603 010002	40	1.67
37603 010008	60	2.40

ELECTRICAL CONNECTION

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / EN 60950-1/ TUV EN61558-2-16 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	L mm	OUTPUT Watts	OUTPUT CURRENT A
7990 054	3.5	36	1.50
7990 055	5.3	60	2.50
7990 056	7.0	92	3.90
7990 057	10.3	150	6.25

JDPC (JAGA DYNAMIC PRODUCT CONTROLLER)



Control panel

CODE	POSITION	CONTROL PANEL	EXTERNAL 0-10 V CONTROL	WATER TEMPERATURE SENSOR	AIR TEMPERATURE SENSOR
Jaga BMS 0-10V control (D04)	  	-	-	✓	-
Jaga 3 settings controller (D06)	  	✓	-	✓	-
Jaga On/off (D08)	  	-	-	✓	-

JAGA BMS 0-10V CONTROL

- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will open the thermoelectric valve.
- When heat or cold is requested, a BMS/home automation system or JAGA thermostat will transmit a 0-10V signal.
- When the fan recognises cold (<18°C) or hot (>28°C) water, it will rotate proportionally of the 0-10V signal

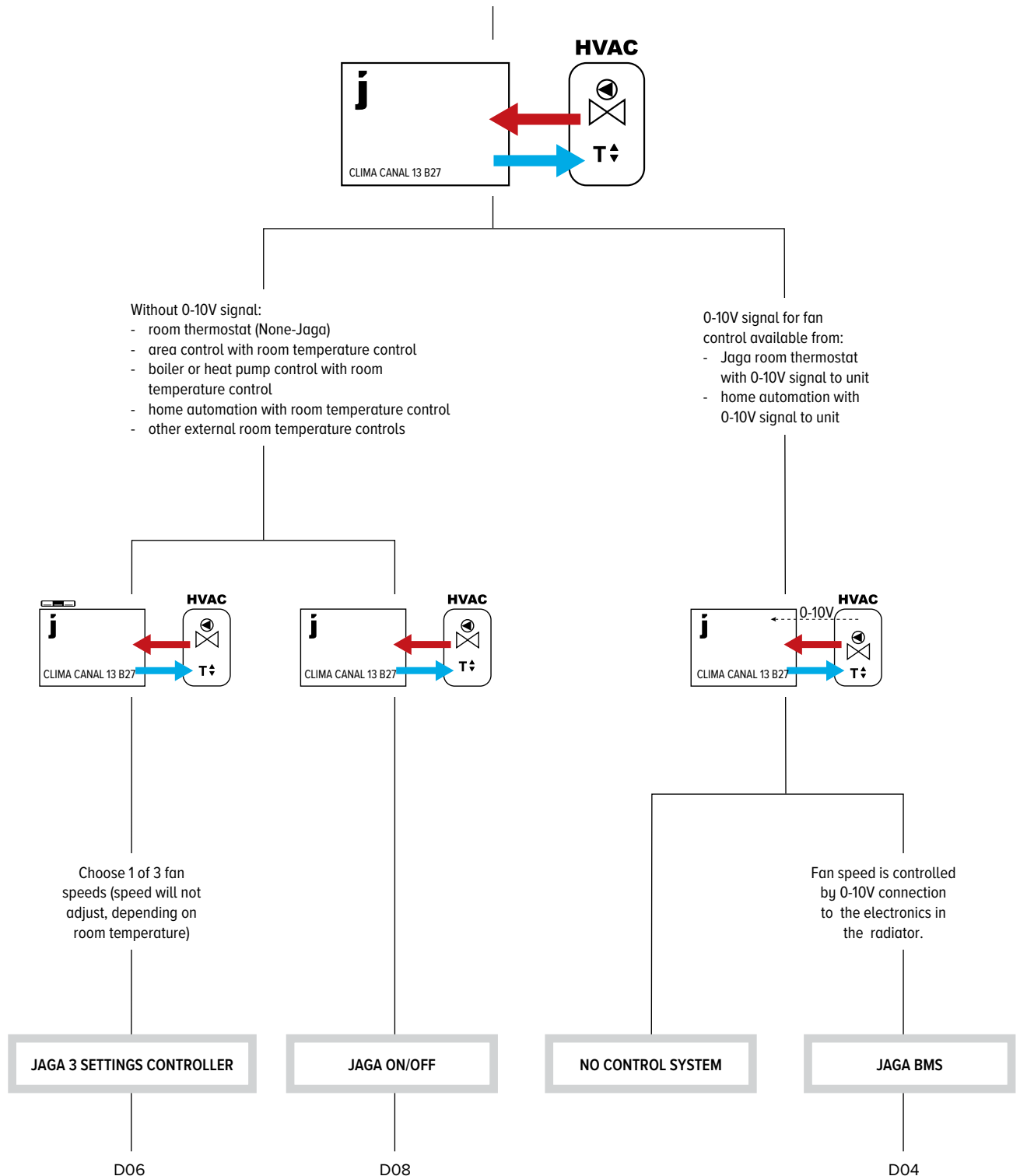
JAGA 3 SETTINGS CONTROLLER

- When heat or cold is requested, an external signal (thermostat, BMS/home automation, ...) a thermal engine.
- Heating: The fan will rotate at a fixed speed once the water has reached the setting of 28°C.
- Cooling: he fan will rotate at a fixed speed once the water has reached the setting of 18°C.
- The user manually selects the desired mode via the control panel  /  /  / OFF. The unit can run at 3 speeds. The unit starts at the last selected speed(1, 2 or 3) when the preset water temperature is reached.

JAGA ON/OFF

- When heat or cold are requested, a BMS/home automation system will open up the thermoelectric valve.
- Heating: The fan will rotate at a fixed speed once the water has reached the setting of 28°C.
- Cooling: he fan will rotate at a fixed speed once the water has reached the setting of 18°C.

0-10V control signal for fan speed present in HVAC control?
Fans start when a 0-10V signal is sent to the fan. If a JDPC is added to the Clima Canal, the water temperature will be taken into account.



				CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C		COOLING TOTAL room temperature 27°C		PERCEPTIBLE COOLING room temperature 27°C		HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
HEIGHT H cm	LENGTH L cm	WIDTH B cm			16/18 Watts		7/12 Watts		7/12 Watts		35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
QUAF	013	080	27	2	41		111		78		90	163	199	216	362	16.0	38	1.0	QUAF 013 080 27 XXX F X DDD
				4	84		209		150		146	265	325	352	590	19.0	55	1.6	
				6	127		297		215		195	353	433	469	786	27.1	85	2.9	
				8	170		393		288		238	433	529	574	962	35.0	117	5.0	
				10	214		498		369		279	506	620	672	1126	38.0	147	7.7	
	110	27		2	71		191		135		154	280	342	371	622	19.0	52	1.0	QUAF 013 110 27 XXX F X DDD
				4	144		359		257		251	456	559	605	1015	23.9	78	1.8	
				6	218		510		370		334	607	743	806	1351	29.0	123	3.6	
				8	293		678		497		409	744	910	986	1654	36.0	168	6.5	
				10	368		856		635		479	871	1065	1155	1936	39.1	202	9.8	
	160	27		2	125		337		238		270	491	600	651	1091	20.8	90	2.0	QUAF 013 160 27 XXX F X DDD
				4	253		630		451		440	800	979	1061	1779	25.1	133	3.5	
				6	383		897		650		586	1064	1303	1412	2367	31.2	208	6.5	
				8	513		1187		870		718	1304	1596	1730	2900	38.5	285	11.5	
				10	645		1500		1112		840	1526	1868	2024	3394	41.6	349	17.5	
	180	27		2	156		420		297		338	615	752	815	1367	22.1	104	2.0	QUAF 013 180 27 XXX F X DDD
				4	317		790		565		552	1002	1227	1329	2229	26.9	156	3.6	
				6	480		1124		814		734	1334	1633	1770	2967	32.0	246	7.2	
				8	643		1488		1091		900	1634	2000	2168	3635	39.0	336	13.0	
				10	808		1879		1393		1053	1913	2342	2538	4255	42.1	404	19.7	

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.

fill in grille code

code height adjustment:

adjustable 0 - 4,5 cm: A

adjustable 4,5 - 10 cm: B

enter control system code

Jaga BMS 0-10V control: D04

Jaga 3 settings controller: D06

Jaga On/off: D08

JRT-100 TB
BLACK

8751 050019

JRT-100 TW
WHITE

8751 050017

JRT-200 W



8751 050021

RDG 260T

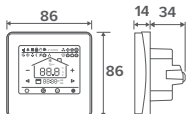
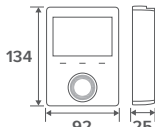
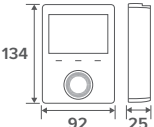


8751 050020

RDG264KN



8751 050018

	JRT-100 TB / TW	JRT-200 W	RDG 260T	RDG264KN
POWER SUPPLY				
supply voltage	24V DC	24V DC	24V DC	24V DC
OUTPUT / INPUT VOLTAGE				
valve 24V DC contact	2 (NO)	2	-	-
potential-free contact	-	-	3 (NO)	3 (NO)
input from keycard	-	-	✓	✓
input from window contact	-	-	✓	✓
fan (0 - 10 V DC)	max. +/- 10 mA	max. +/- 10 mA	max. +/- 5 mA	max. +/- 5 mA
manual 3-position speed controller	✓	✓	✓	✓
automatic mode	✓	✓	✓	✓
APPLICATIONS				
2-pipe				
manual (H/C)	✓	✓	✓	✓
auto (H/C) - water temperature sensor required	-	-	✓	✓
4-pipe				
manual (H/C)	✓	✓	✓	✓
auto (H/C)	✓	✓	✓	✓
DIMENSIONS				
for wall mounting	-	✓	✓	✓
for recessed-mounting	✓	optional	optional	optional
				
POSITION				
LCD display with backlight	-	✓	✓	✓
LCD touch screen with backlight	✓	-	-	-
protection category IP20	-	✓	-	-
protection category IP30	✓	-	✓	✓
Integrated CO2-sensor	-	-	-	✓
humidity sensor	-	-	-	✓
FEATURES				
programmable time zones	✓	✓	✓	✓
control via Wi-Fi (smartphone app)	✓	✓	-	-
fan start delay	-	-	✓	✓
continuous fan speed	-	-	✓	✓
temperature sensor 80 cm	✓	optional	optional	optional

Maximum cable length in function of the number of units. For more information, contact Jaga.

		MAX. CABLE LENGTH (M)									
		5	10	15	20	25	30	40	50	75	100
TOTAL OUTPUT (W)	10	0.06	0.12	0.18	0.24	0.30	0.36	0.49	0.61	0.91	1.22
	20	0.12	0.24	0.36	0.49	0.61	0.73	0.97	1.22	1.82	2.43
	30	0.18	0.36	0.55	0.73	0.91	1.09	1.46	1.82	2.73	3.65
	40	0.24	0.49	0.73	0.97	1.22	1.46	1.94	2.43	3.65	
	50	0.30	0.61	0.91	1.22	1.52	1.82	2.43	3.04		
	60	0.36	0.73	1.09	1.46	1.82	2.19	2.92	3.65		
	70	0.43	0.85	1.28	1.70	2.13	2.55	3.40			
	80	0.49	0.97	1.46	1.94	2.43	2.92	3.89			
	90	0.55	1.09	1.64	2.19	2.73	3.28				
	100	0.61	1.22	1.82	2.43	3.04	3.65				
	110	0.67	1.34	2.01	2.67	3.34					
	120	0.73	1.46	2.19	2.92	3.65					
	130	0.79	1.58	2.37	3.16	3.95					
	140	0.85	1.70	2.55	3.40						
	150	0.91	1.82	2.73	3.65						

MIN. THREAD SECTION:

< 0.75 mm²	< 1.5 mm²	< 2.50 mm²	< 4.00 mm²
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Jaga aims to simplify your installation process with these sample diagrams. Perfectly align your power supply, thermostatic valve mounting, control system, pipe system, temperature monitoring and number of units per area.

Here, you can find the most common combinations. Feel free to ask for more variations at info@jaga.com.

1. POWER SUPPLY

Option 1: component power (inside the unit)

Option 2: power supply DIN-rail assembly
(outside the unit)

2. THERMOSTATIC VALVE

Option 1: on the tap (inside the unit)

Option 2: on the collector (outside the unit)

3. CHOICE OF CONTROL SYSTEM

Option 1: thermostat JRT-100TW

Option 2: thermostat JRT-100

Option 3: thermostat JRT-200

Option 4: thermostat RDG 160T

Option 5: home automation

4. HYDRONIC

Option 1: 4-pipe system

5. TEMPERATURE MONITORING

Option 1: with temperature monitoring

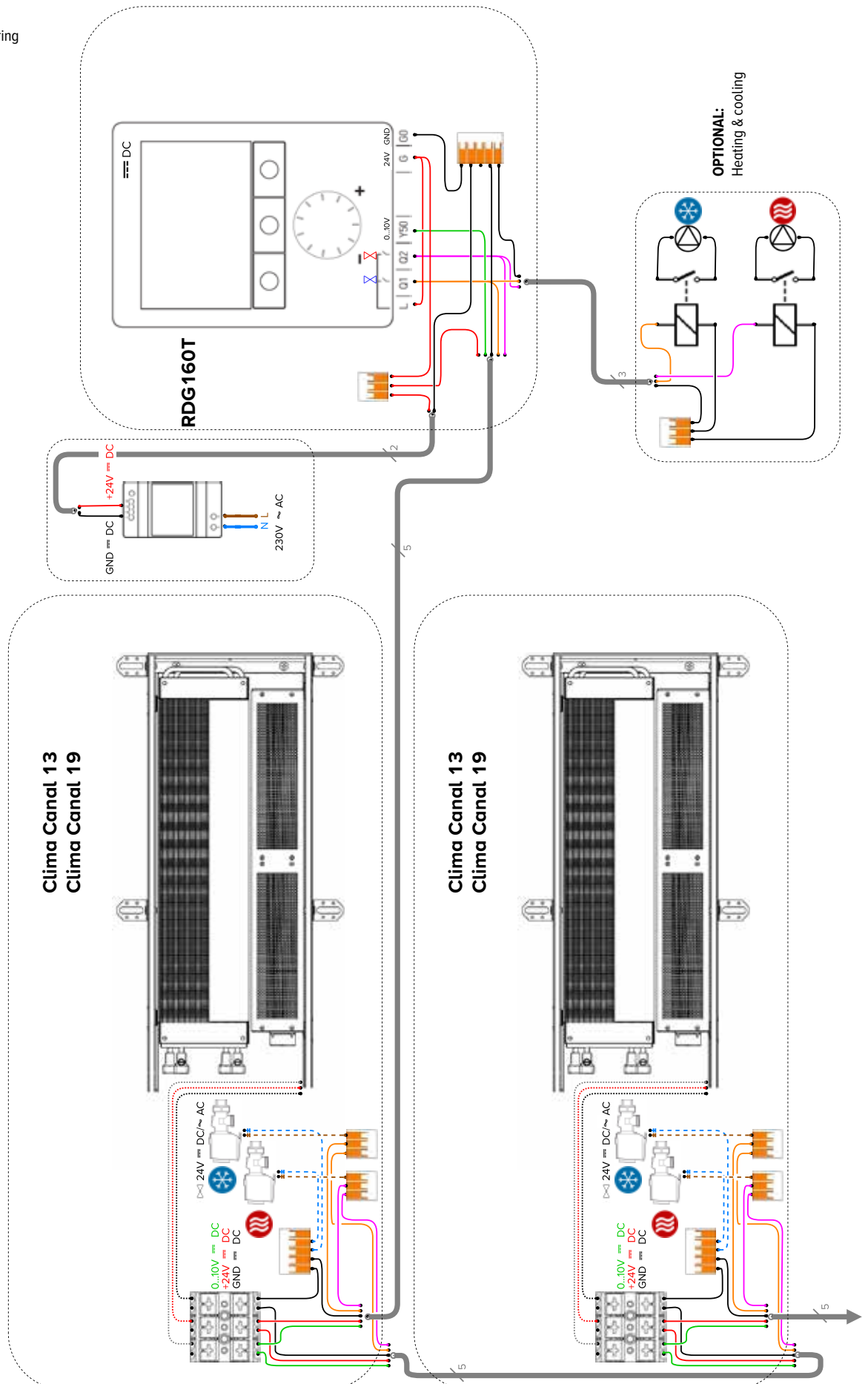
Option 2: without temperature monitoring

6. UNITS / ZONE

Option 1: one unit

Option 2: multiple units

- power supply DIN-rail assembly
- thermostatic valve inside the unit
- RDG160T
- 4-pipe
- without temperature monitoring
- multiple units per area



The indicated outputs at ΔT 50 are exact values measured in accordance with EN16430. 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 DYNAMIC PRODUCTS - 75/65/20°C

room temperature: 20°C

Average N-value: 1.00

	TR	65	60	55	50	45	40	35	30	25
TA										
75		1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42
70		0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39
65			0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37
60				0.75	0.70	0.64	0.58	0.51	0.43	0.34
55					0.65	0.60	0.54	0.47	0.40	0.31
50						0.55	0.49	0.43	0.37	0.28
45							0.45	0.39	0.33	0.25
40								0.35	0.29	0.22
35									0.25	0.18
30										0.14

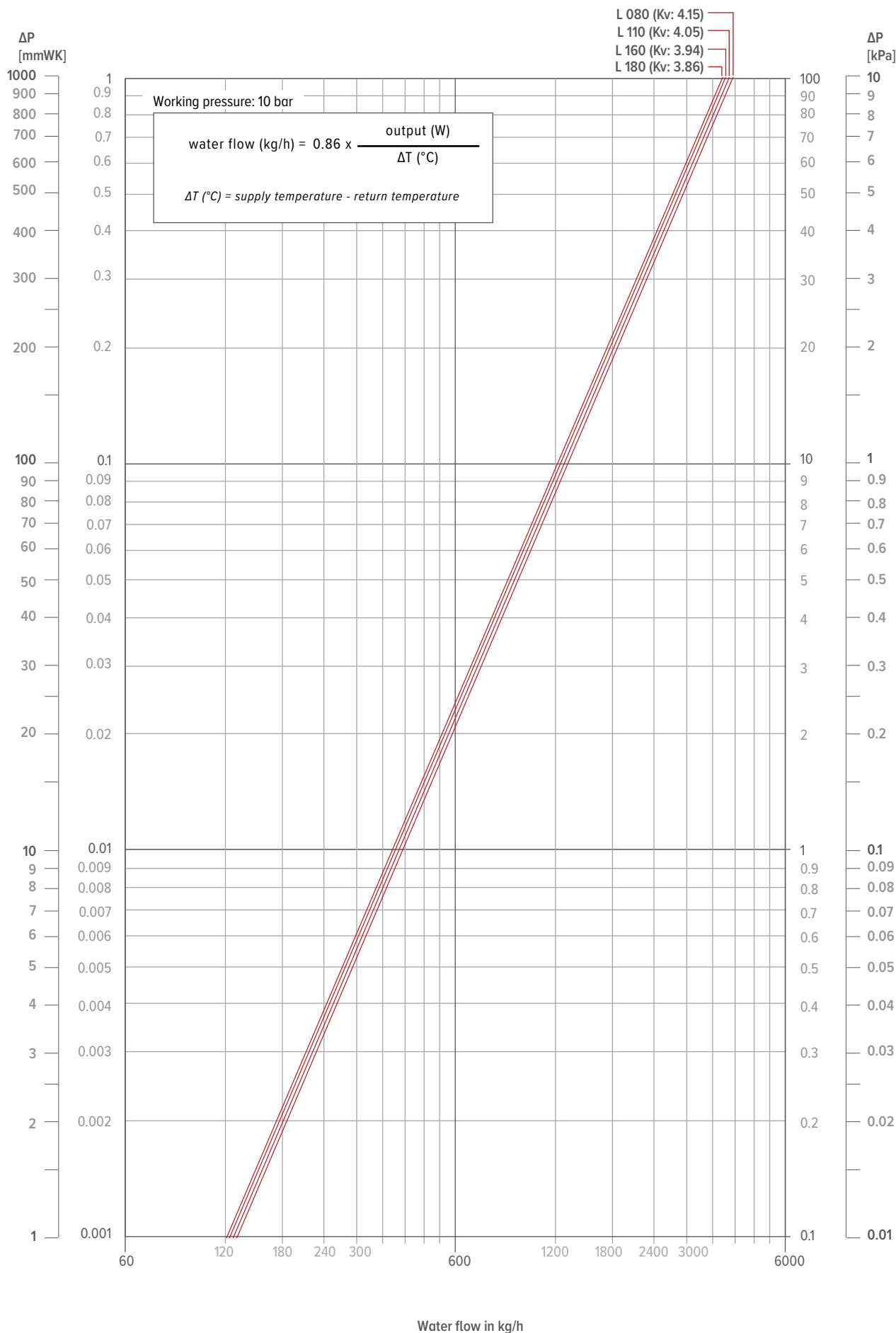
room temperature: 24°C

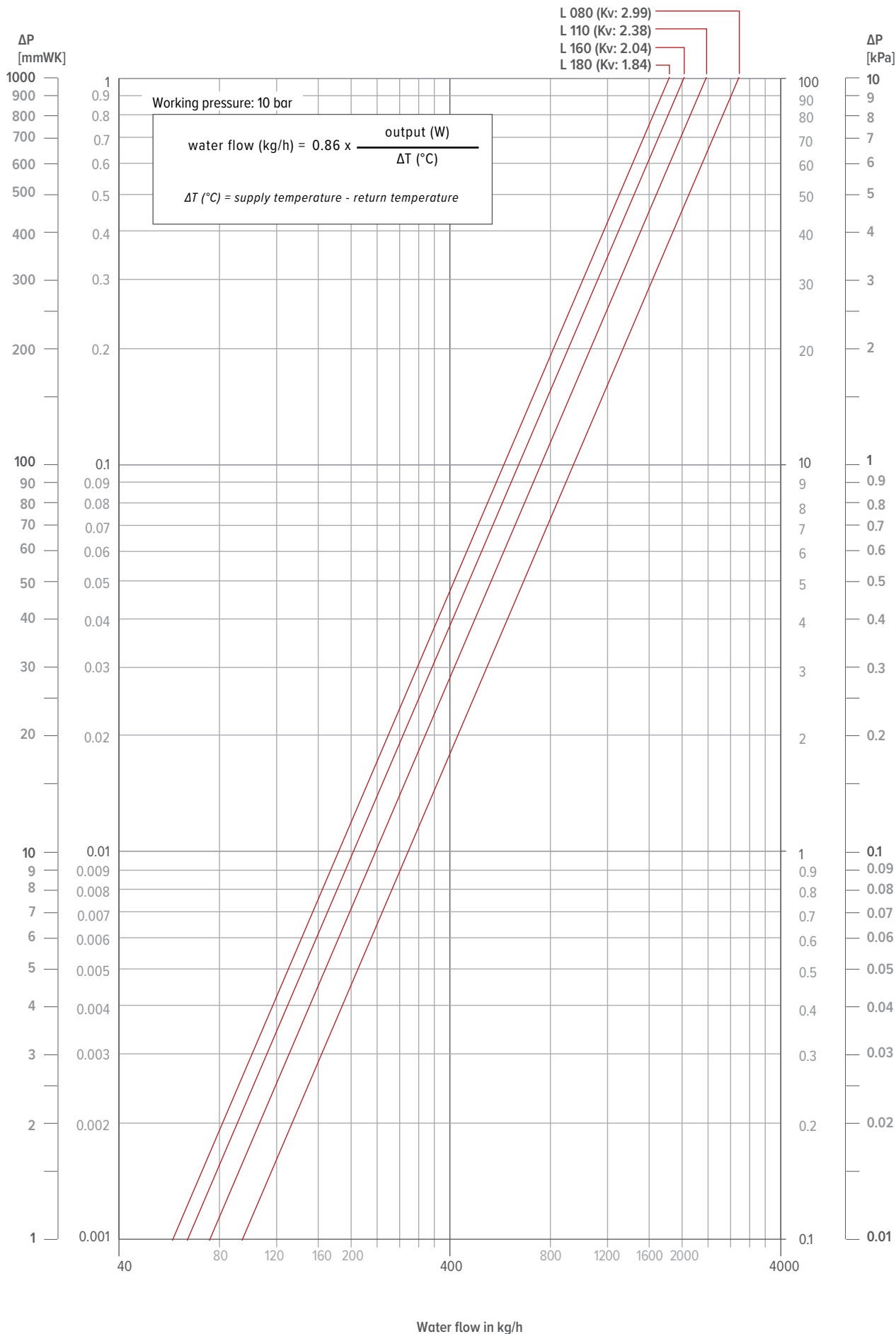
Average N-value: 1.00

	TR	65	60	55	50	45	40	35	30	25
TA										
75		0.92	0.86	0.81	0.74	0.68	0.61	0.52	0.42	0.26
70		0.87	0.82	0.76	0.70	0.64	0.57	0.49	0.39	0.24
65			0.77	0.72	0.66	0.60	0.53	0.46	0.37	0.22
60				0.67	0.62	0.56	0.49	0.42	0.34	0.20
55					0.57	0.52	0.46	0.39	0.31	0.18
50						0.47	0.41	0.35	0.27	0.15
45							0.37	0.31	0.24	0.13
40								0.27	0.20	0.11
35									0.17	0.08
30										0.06

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
						Watts	Watts	Watts	Watts	Watts	Watts	Watts
mm	mm	m/s	l	kg/h								
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







jaga CLIMATE
DESIGNERS

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

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