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CLIMATE DESIGNERS



CLIMA CANAL



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

CLIMA CANAL

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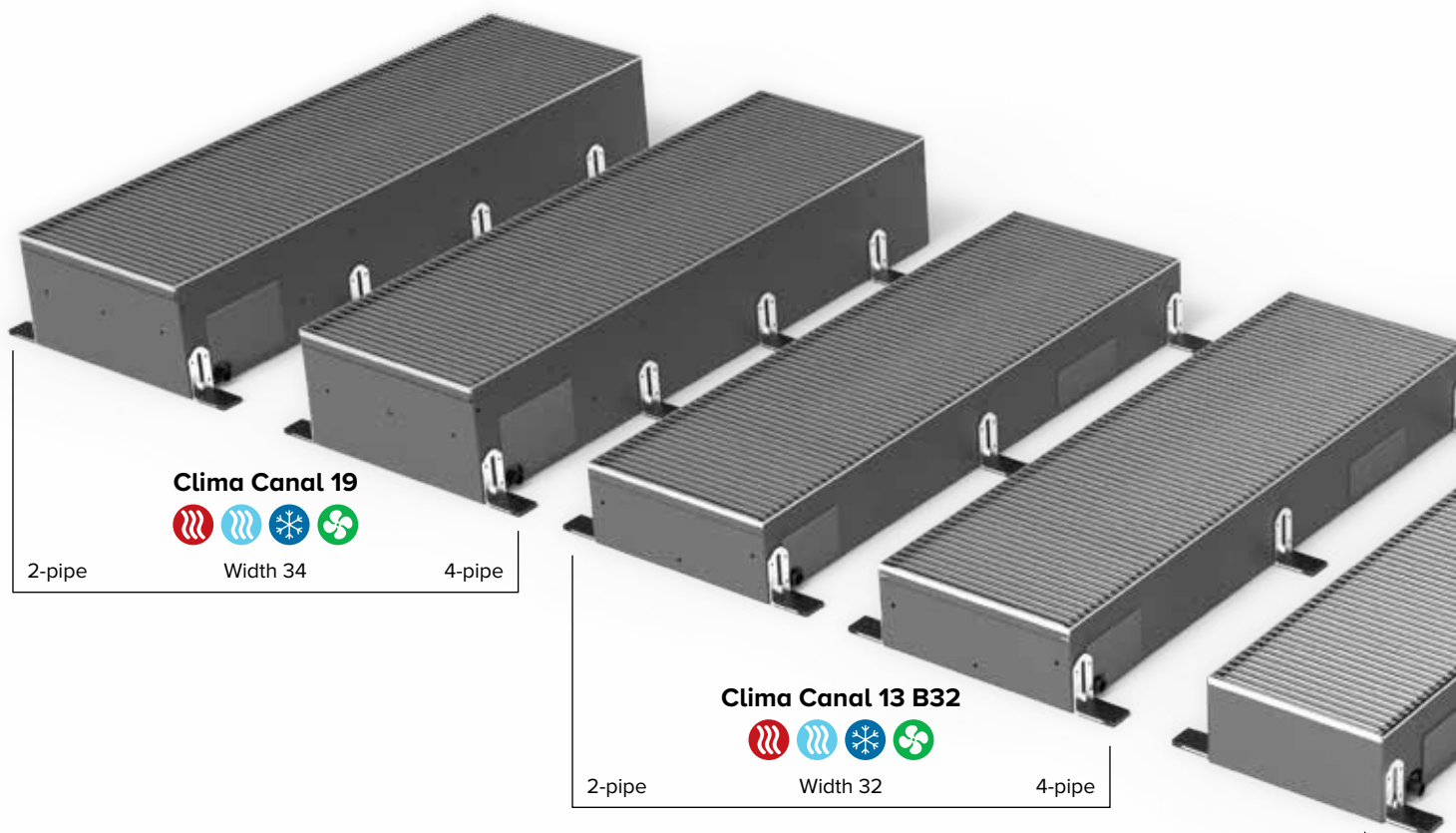


COMPLETE CLIMATE CONTROL, POWERFUL AND DISCREET

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

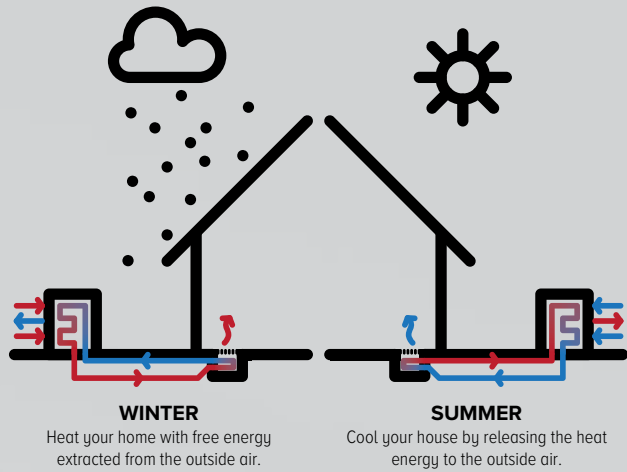


HEATING AND COOLING WITH HEAT PUMP

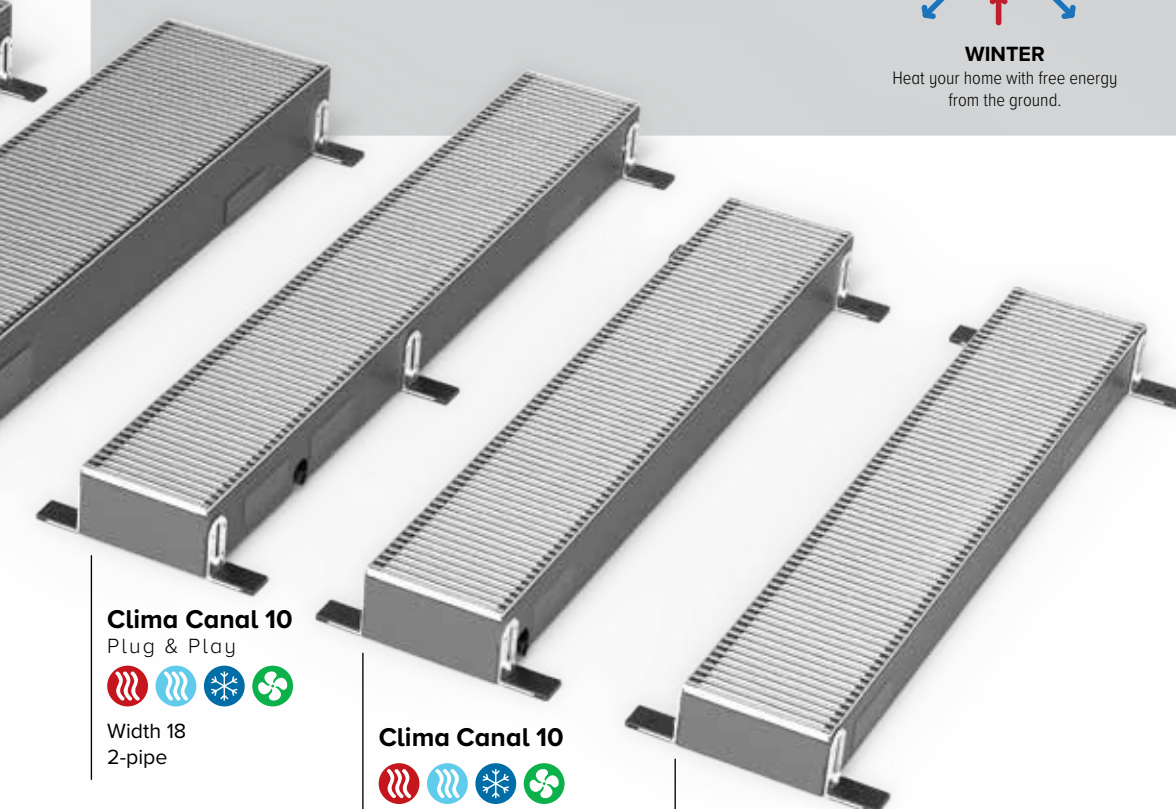
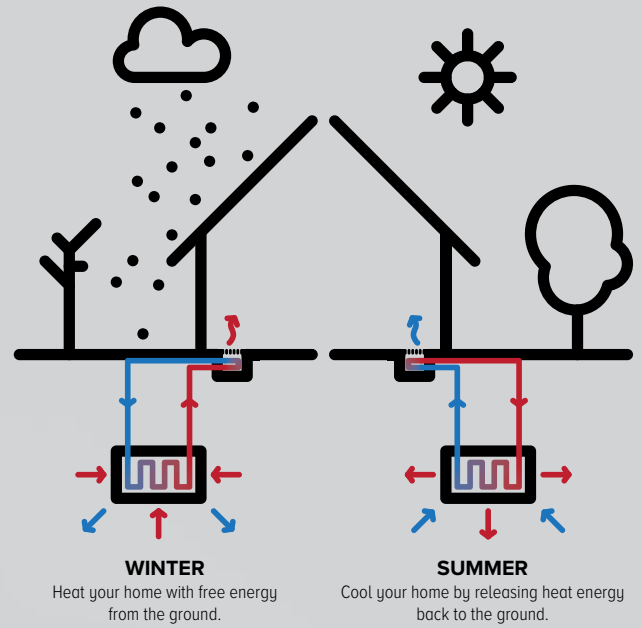
With its low water content and high thermal conductivity coefficient for low supply temperatures, the Clima Canal is the ideal match for your heat pump and it allows the units to react extremely efficiently to your heating or cooling demands, even at low supply temperatures.

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

CLIMA CANAL - OVERVIEW GRILLES

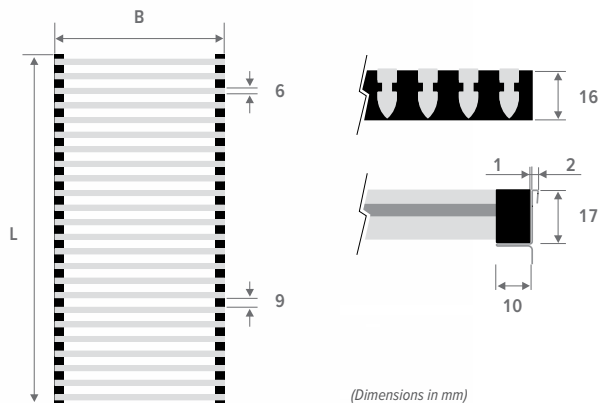


ALUMINIUM GRILLES

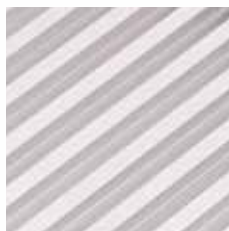
Aluminium panel grille with aerodynamically shaped transverse profiles in black vibration-free EPDM, grille supports EPDM rubber hardness 85.

BENEFITS

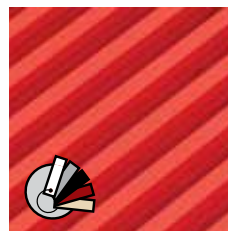
- provided as standard to enable continuous installation
- sound-insulating EPDM rubber supports
- developed for easy maintenance of the units / the aluminium profiles are low maintenance
- eco-friendly, scratch-resistant powder coating with high UV-resistance



ALUMINIUM NATURAL COLOUR ANODISED GRILLES



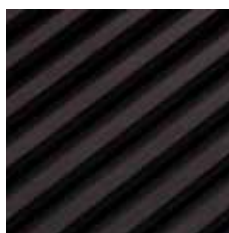
BNA Alu. natural



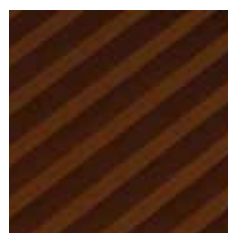
BNC/XXX Alu. coated

 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.

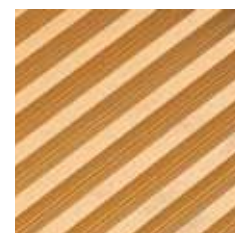
COLOURED ANODISED ALUMINIUM GRILLES



BAN/AN1 Black



BAN/AN2 Dark brown



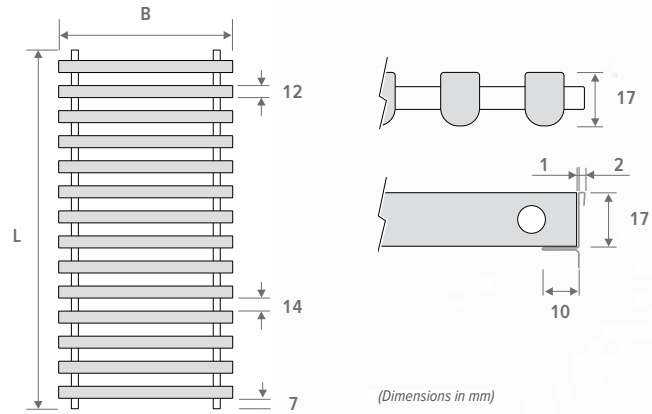
BAN/AN3 Brass-coloured

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.

BENEFITS

- provided as standard to enable continuous installation
- eco-friendly, scratch-resistant powder coating with high UV-resistance
- 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

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CLIMATE
DESIGNERS

CLIMA CANAL 08





CLIMA CANAL 08 - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection

VALVES COVER PLATE

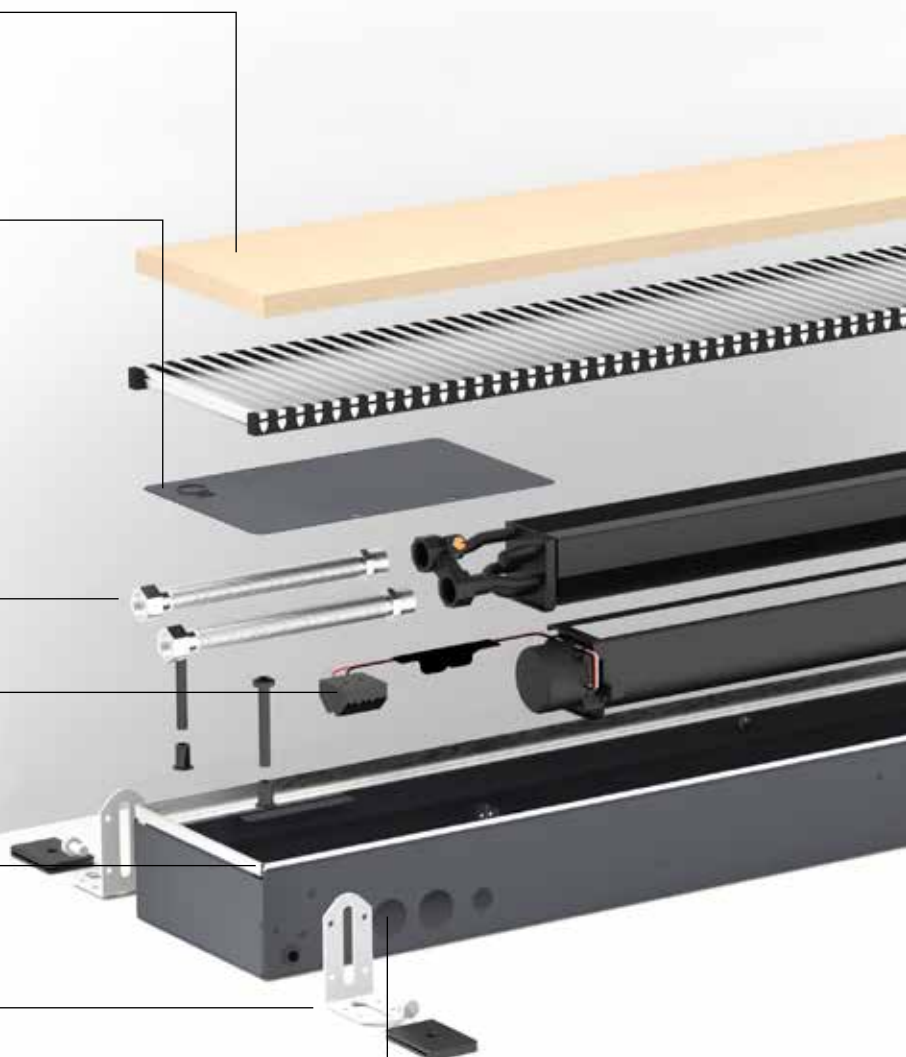
STAINLESS STEEL FLEXIBLE CONNECTIONS 1/2",
15 cm long stainless steel flexible hoses allow the internal
mechanism to be removed completely for easy cleaning

ELECTRICAL CONNECTION ON THE INSIDE

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

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

HYDRONIC & ELECTRICAL CONNECTION always left-hand side



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



DYNAMIC HEAT EXCHANGER

HEIGHT ADJUSTMENT SCREW

EC FANS



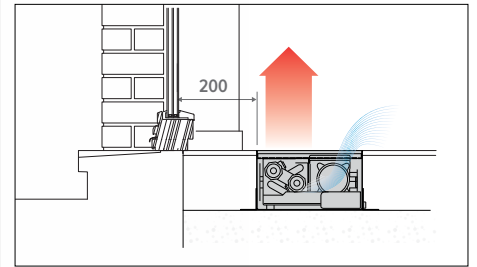
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support coated housing in sendzimir galvanised steel plate

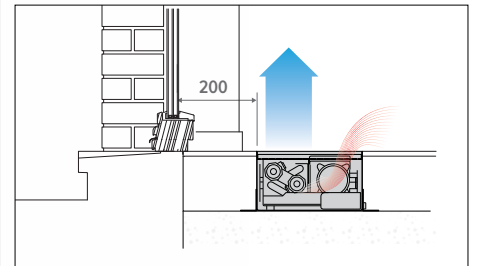
INSTALLATION

- 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 Heating



Operating principle Cooling



Stainless steel flexible hoses allow the internal mechanism to be removed completely for easy cleaning

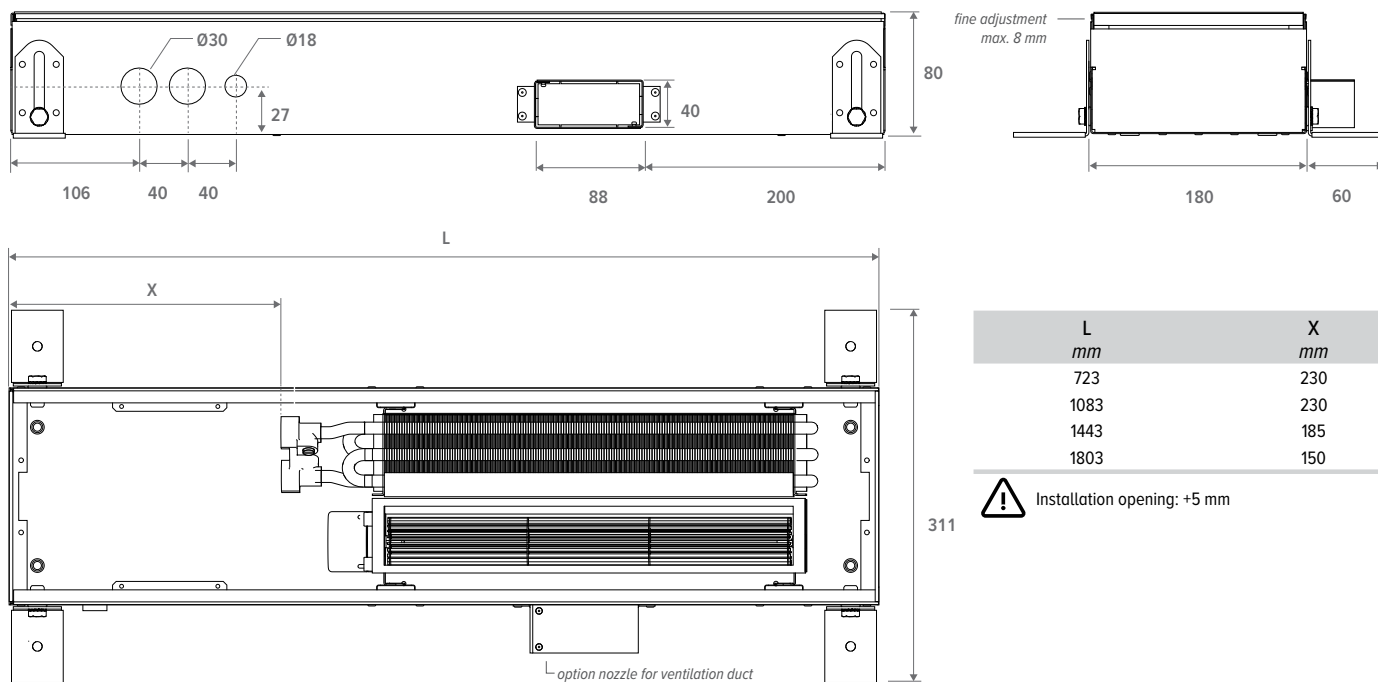


Through-mounting

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.

CLIMA CANAL 08

DIMENSIONS (in mm)



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

GRILLES



ORDER CODE CLIMA CANAL 08

CLCM 008 072 18 XXX

Grille
Width
Length
Height

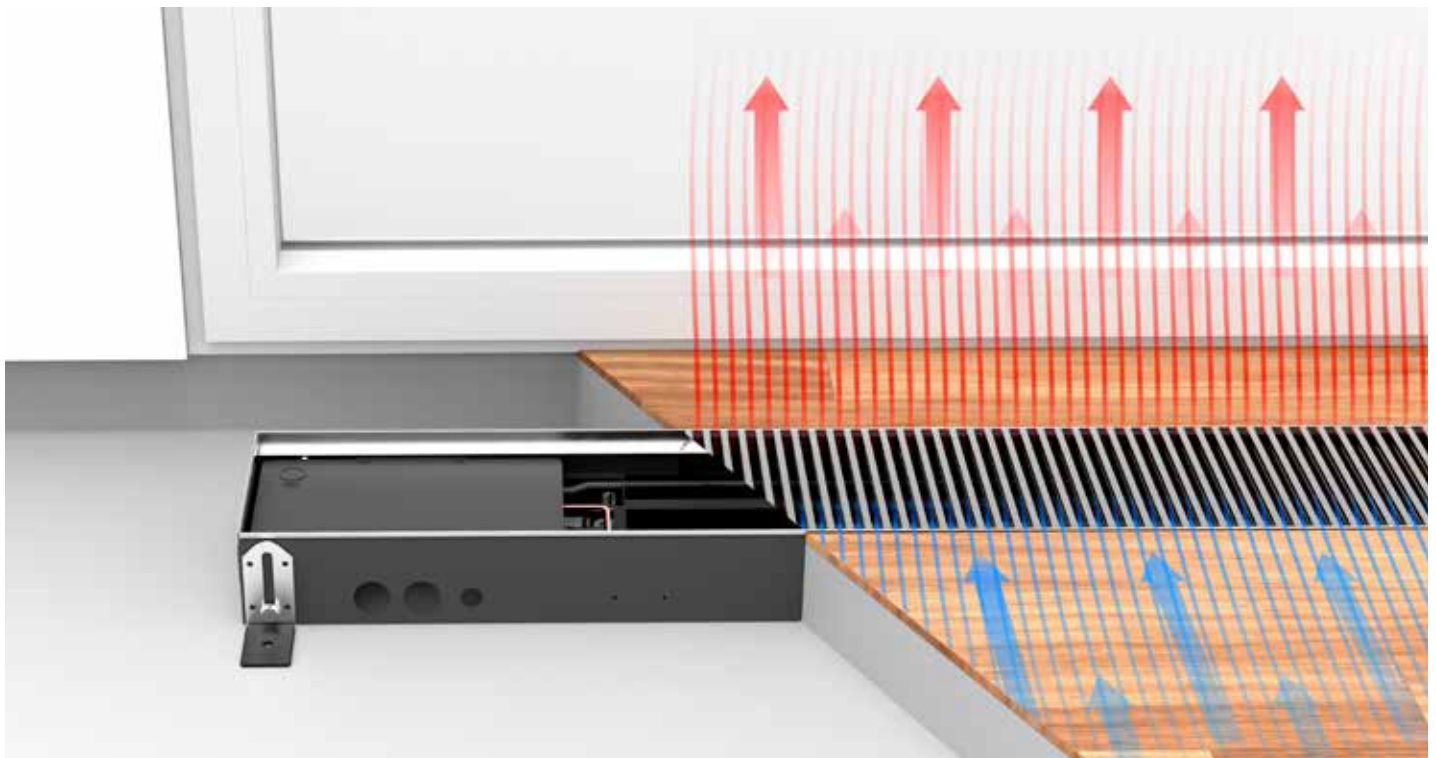
TECHNICAL TABLE - CLIMA CANAL 08

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) Room temperature 27°C						SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
CLCM 008	072	18	2	30	68	124	152	165	276	14	24	0.5	CLCM 008 072 18 XXX
			4	66	123	223	273	296	496	15	37	0.8	
			6	104	173	314	385	417	699	23	52	1.3	
			8	144	220	401	490	531	891	28	68	2.1	
			10	185	266	483	592	641	1075	34	79	3.0	
108	18	18	2	62	141	256	313	339	569	15	42	0.6	CLCM 008 108 18 XXX
			4	135	253	459	562	609	1021	19	75	1.3	
			6	214	356	647	791	858	1438	29	98	2.7	
			8	296	454	825	1009	1094	1834	32	125	4.6	
			10	381	548	996	1218	1320	2214	37	160	7.1	
144	18	18	2	97	221	402	492	533	894	16	66	1.1	CLCM 008 144 18 XXX
			4	212	397	722	883	957	1605	20	112	2.1	
			6	336	559	1016	1244	1348	2260	30	150	4.0	
			8	465	713	1295	1585	1718	2881	35	193	6.6	
			10	598	861	1564	1915	2075	3479	39	239	10.1	
180	18	18	2	132	302	548	671	727	1219	18	84	1.2	CLCM 008 180 18 XXX
			4	290	541	984	1204	1305	2188	22	150	2.5	
			6	458	763	1386	1696	1838	3082	32	196	5.4	
			8	634	972	1767	2162	2343	3929	37	250	9.1	
			10	816	1174	2133	2611	2829	4744	41	320	14.1	

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.

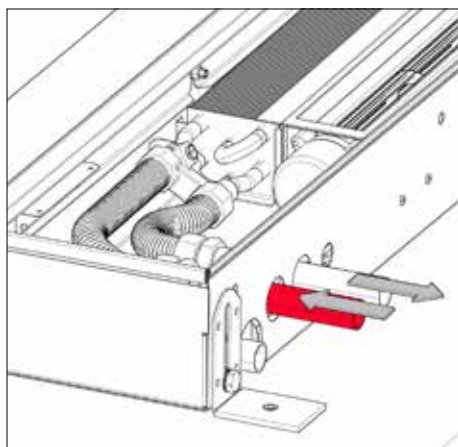
fill in grille code



HYDRONIC CONNECTION

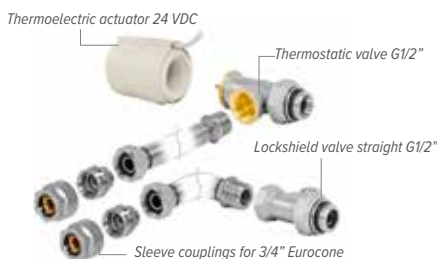
HYDRONIC CONNECTION

- 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



OPTION: CONNECTION SETS

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

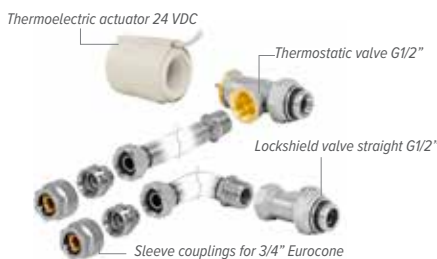


set 297 KVS 0.8 - default setting in 6 steps

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

fill in sleeve coupling code

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

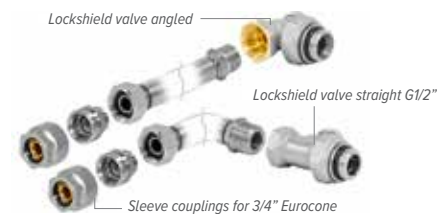


set 298 KVS 1.0 - without default setting

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

fill in sleeve coupling code

Connection set with 2 lockshield valves G1/2"



set 299 KVS 1.2 - Kv max. 0.6

CODY LOM 00 4...

fill in sleeve coupling code

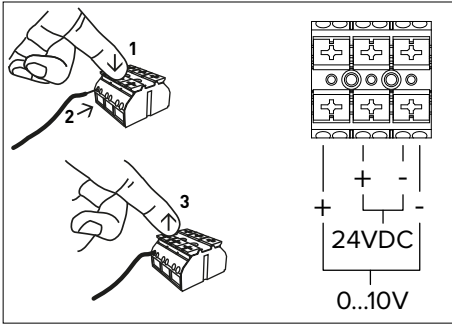
Sleeve couplings 3/4" Eurocone

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

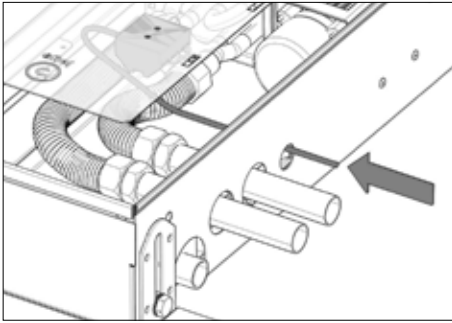
ELECTRICAL CONNECTION

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.



OPTION: POWER SUPPLIES

Waterproof power supply 24 VDC with waterproof cable gland

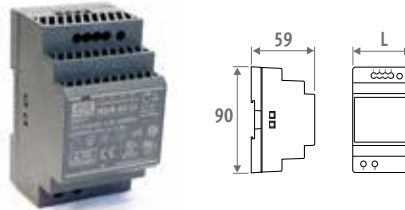


! Not suitable for in-floor duct installation.

- 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

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / IEC 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

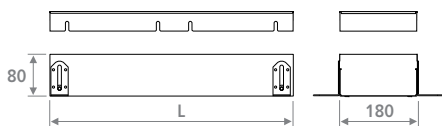
MAXIMUM CABLE LENGTH

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

CABLE LENGTH (M)	NUMBER OF CLIMA CANAL									
	10	20	30	40	50	60	70	80	90	100
L072 3 Watts										
1 mm ²	18	9	6	4	4	3	3	3	2	1
1.5 mm ²	28	14	9	7	5	5	4	3	2	1
2.5 mm ²	47	23	15	11	9	7	6	6	5	5
L108 7.1 Watts										
1 mm ²	12	6	4	3	3	2	2	2	2	2
1.5 mm ²	18	9	6	4	4	3	3	3	2	2
2.5 mm ²	30	15	10	7	6	5	4	4	4	3
L144 10.1 Watts										
1 mm ²	8	4	4	2	2	2	2	1	1	1
1.5 mm ²	12	6	4	3	3	2	2	2	2	2
2.5 mm ²	20	10	6	5	4	3	2	2	2	2
L180 14.1 Watts										
1 mm ²	6	3	2	2	2	1				
1.5 mm ²	10	5	3	3	2	2	2	2	2	1
2.5 mm ²	17	8	5	4	3	3	3	2	2	2

ACCESSORIES

EMPTY HOUSING



- to fill open spaces for a continuous installation
- aluminium or wooden grille
- duct with stainless steel grille support
- height adjustment 8.5 > 13.3 cm
- height control with fine adjustment to align with the finished floor
- protection panel

CODE	L cm
CLCD 008 072 18 XXX	072
CLCD 008 108 18 XXX	108
CLCD 008 144 18 XXX	144
CLCD 008 180 18 XXX	180

fill in grille code

CORNER PIECE



- aluminium grille natural or coated
- duct with stainless steel grille support
- height adjustment: 8.5 > 13.3 cm
- height control with fine adjustment to align with the finished floor

CODE	
CLCD 008 025 18 BNA	Alu. natural
CLCD 008 025 18 BNC XXX	Alu. coated

fill in grille code

NOZZLE FOR VENTILATION DUCT

Metal connection adapter

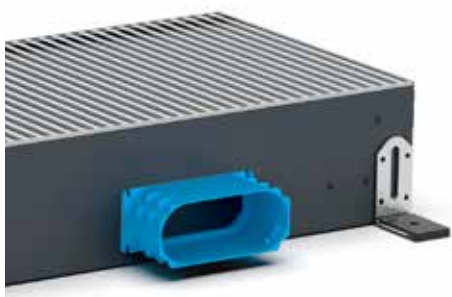


- connection for pretreated air
- height 4 cm x length 9 cm
- made from galvanised steel plate

CODE	DIMENSIONS
CLCD 008 XXX 18 VEN	4 x 9 cm

fill out length

Synthetic connection adapter



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

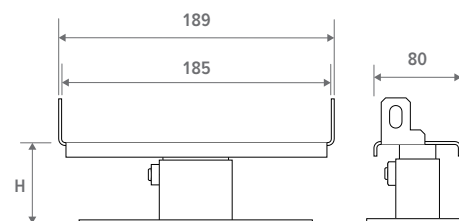
CODE	DIMENSIONS
CLCD 008 XXX 18 BUR	5.2 x 13.2 cm

fill out length

Max. number of connection adapters per length

LENGTH	
072	1 connection adapter
108	2 connection adapters
144	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 072 = 1 set
L 120 = 1 set
L 150 = 2 sets
L 180 = 2 sets

CODE	H cm
5209 0507 0000	5 / 7
5209 0813 0000	8 / 13
5209 1323 0000	13 / 23
5209 2023 0000	20 / 30



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CLIMA CANAL 10





CLIMA CANAL 10 - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection

VALVES COVER PLATE

STAINLESS STEEL FLEXIBLE CONNECTIONS 1/2"

15 cm long stainless steel flexible hoses allow the internal mechanism to be removed completely for easy cleaning

ELECTRICAL CONNECTION ON THE INSIDE

HEIGHT ADJUSTMENT SCREW

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

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

HYDRONIC & ELECTRICAL CONNECTION always left-hand side



GRILLE

aluminium and wooden grilles in a variety of colours and materials



DYNAMIC HEAT EXCHANGER

EC FANS

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



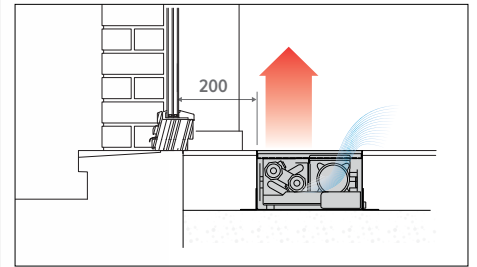
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support
coated housing in sendzimir galvanised steel plate

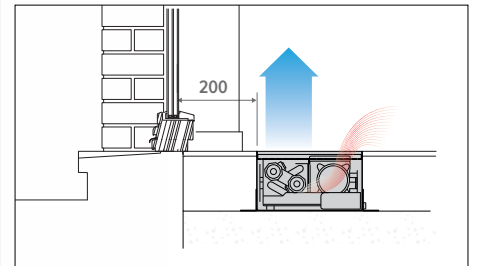
INSTALLATION

- 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 Heating



Operating principle Cooling



Stainless steel flexible hoses allow the internal mechanism to be removed completely for easy cleaning

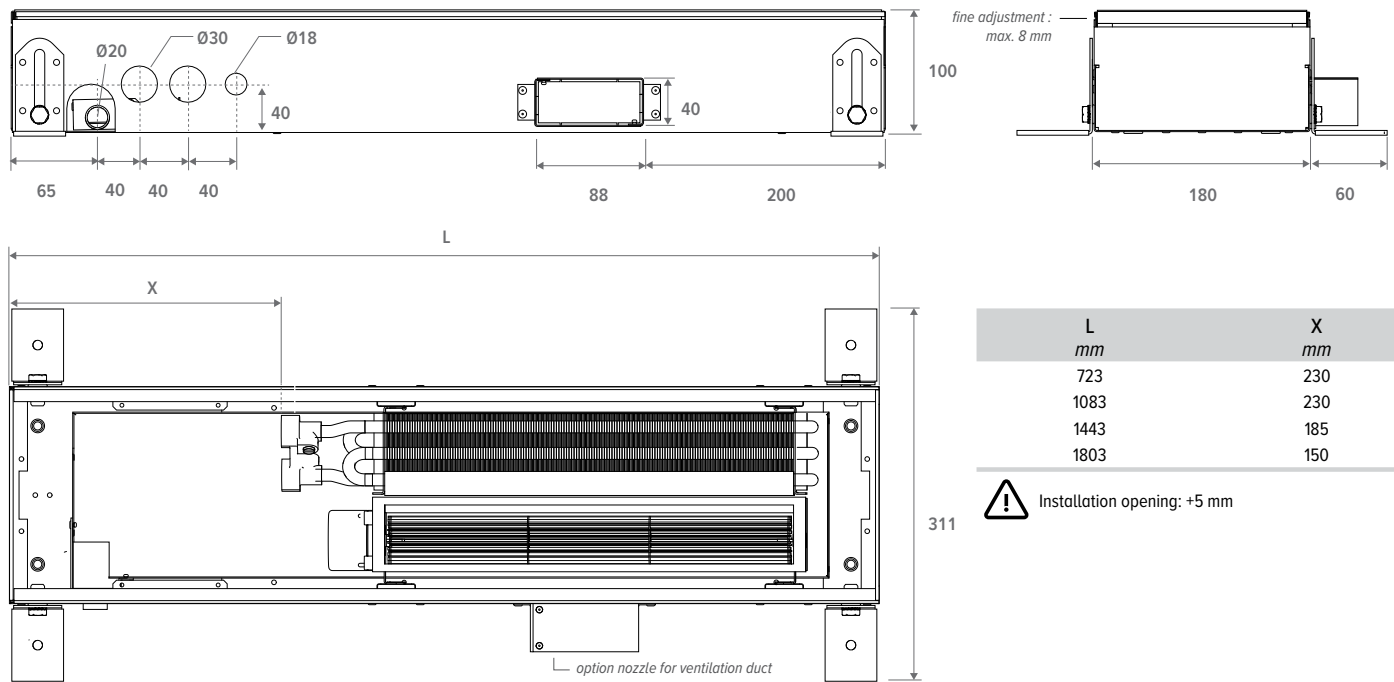


Through-mounting

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.

CLIMA CANAL 10

DIMENSIONS (in mm)



L mm	X mm
723	230
1083	230
1443	185
1803	150

⚠ Installation opening: +5 mm

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

GRILLES



ORDER CODE CLIMA CANAL 10

CLCM 010 072 18 XXX



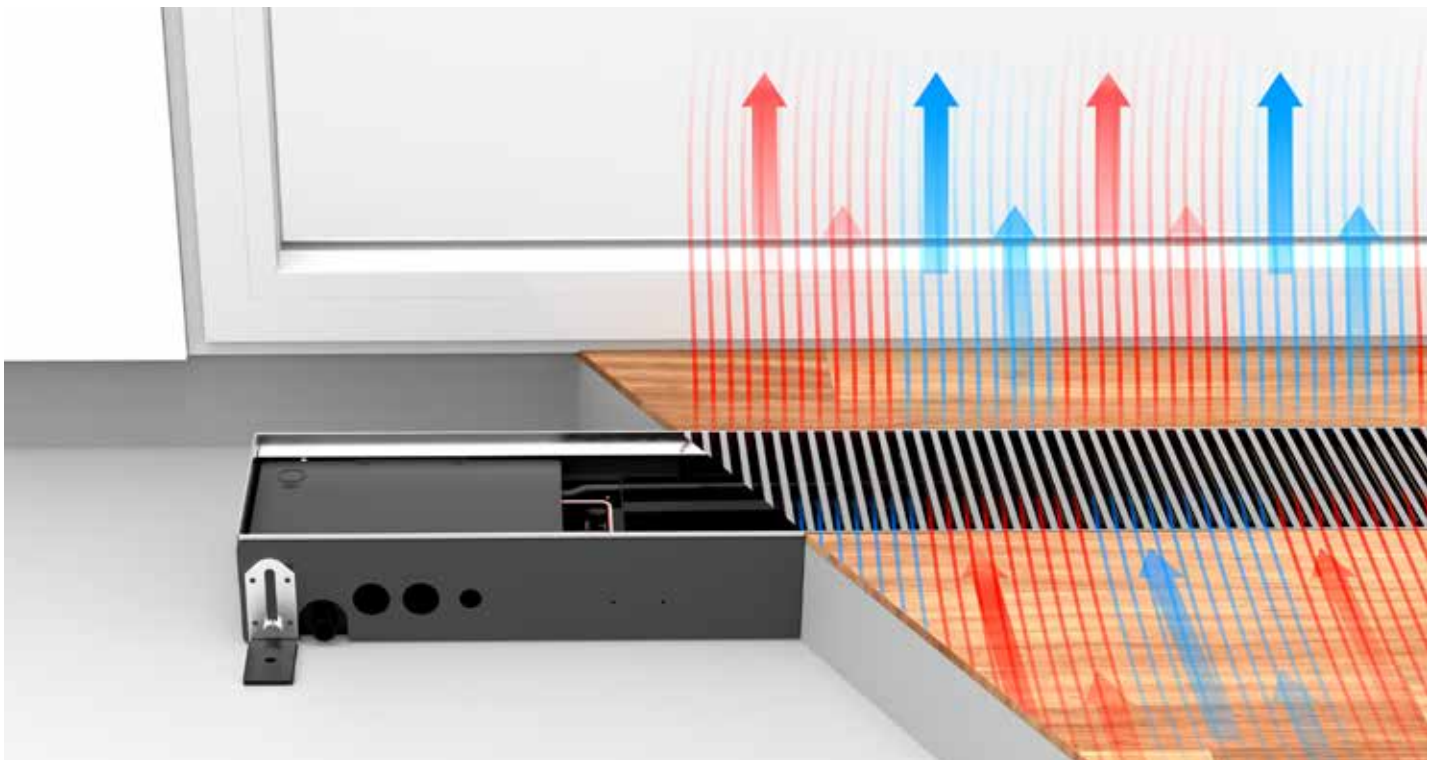
TECHNICAL TABLE - CLIMA CANAL 10

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
CLCM 010	072	18	2	30	59	42	68	124	152	165	276	14	24	0.5	CLCM 010 072 18 XXX
			4	66	135	96	123	223	273	296	496	15	37	0.8	
			6	104	223	161	173	314	385	417	699	23	52	1.3	
			8	144	319	234	220	401	490	531	891	28	68	2.1	
			10	185	414	307	266	483	592	641	1075	34	79	3.0	
108	18	18	2	62	122	87	141	256	313	339	569	15	42	0.6	CLCM 010 108 18 XXX
			4	135	275	197	253	459	562	609	1021	19	75	1.3	
			6	214	458	332	356	647	791	858	1438	29	98	2.7	
			8	296	655	480	454	825	1009	1094	1834	32	125	4.6	
			10	381	852	632	548	996	1218	1320	2214	37	160	7.1	
144	18	18	2	97	191	135	221	402	492	533	894	16	66	1.1	CLCM 010 144 18 XXX
			4	212	432	309	397	722	883	957	1605	20	112	2.1	
			6	336	720	521	559	1016	1244	1348	2260	30	150	4.0	
			8	465	1029	754	713	1295	1585	1718	2881	35	193	6.6	
			10	598	1337	992	861	1564	1915	2075	3479	39	239	10.1	
180	18	18	2	132	261	184	302	548	671	727	1219	18	84	1.2	CLCM 010 180 18 XXX
			4	290	591	423	541	984	1204	1305	2188	22	150	2.5	
			6	458	981	711	763	1386	1696	1838	3082	32	196	5.4	
			8	634	1403	1028	972	1767	2162	2343	3929	37	250	9.1	
			10	816	1825	1354	1174	2133	2611	2829	4744	41	320	14.1	

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.

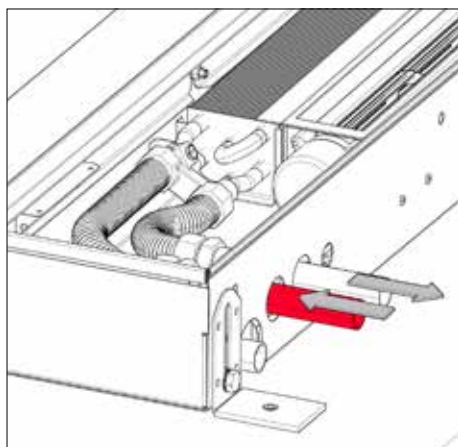
fill in grille code



HYDRONIC CONNECTION

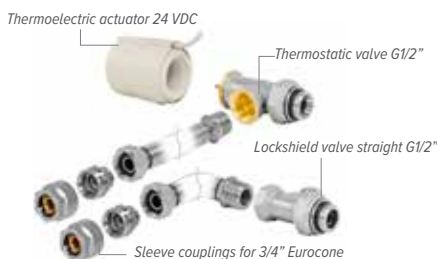
HYDRONIC CONNECTION

- 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



OPTION: CONNECTION SETS

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

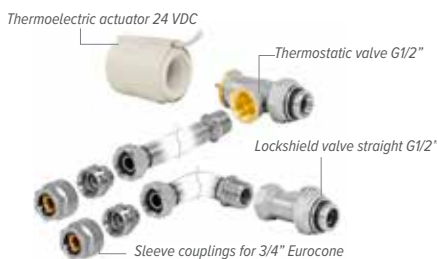


set 297 KVS 0.8 - default setting in 6 steps

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

fill in sleeve coupling code

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

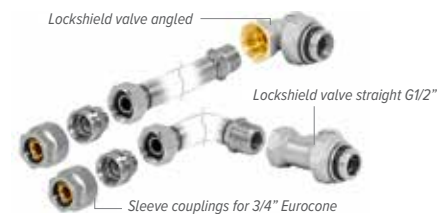


set 298 KVS 1.0 - without default setting

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

fill in sleeve coupling code

Connection set with 2 lockshield valves G1/2"



set 299 KVS 1.2 - Kv max. 0.6

CODY LOM 00 4...

fill in sleeve coupling code

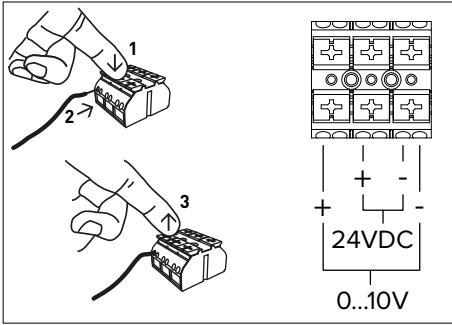
Sleeve couplings 3/4" Eurocone

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

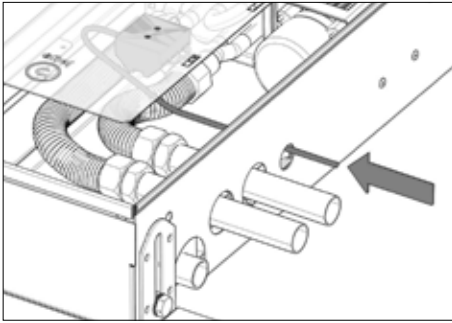
ELECTRICAL CONNECTION

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.



OPTION: POWER SUPPLIES

Waterproof power supply 24 VDC with waterproof cable gland

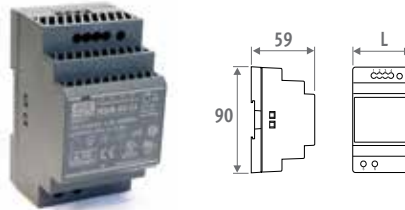


! Not suitable for in-floor duct installation.

- 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

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / IEC 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

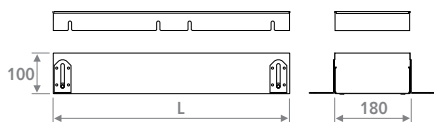
MAXIMUM CABLE LENGTH

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

CABLE LENGTH (M)	NUMBER OF CLIMA CANAL									
	10	20	30	40	50	60	70	80	90	100
L072 3 Watts										
1 mm ²	18	9	6	4	4	3	3	3	2	1
1.5 mm ²	28	14	9	7	5	5	4	3	2	1
2.5 mm ²	47	23	15	11	9	7	6	6	5	5
L108 7.1 Watts										
1 mm ²	12	6	4	3	3	2	2	2	2	2
1.5 mm ²	18	9	6	4	4	3	3	3	2	2
2.5 mm ²	30	15	10	7	6	5	4	4	4	3
L144 10.1 Watts										
1 mm ²	8	4	4	2	2	2	2	1	1	1
1.5 mm ²	12	6	4	3	3	2	2	2	2	2
2.5 mm ²	20	10	6	5	4	3	2	2	2	2
L180 14.1 Watts										
1 mm ²	6	3	2	2	2	1				
1.5 mm ²	10	5	3	3	2	2	2	2	2	1
2.5 mm ²	17	8	5	4	3	3	3	2	2	2

ACCESSORIES

EMPTY HOUSING



- to fill open spaces for a continuous installation
- aluminium or wooden grille
- duct with stainless steel grille support
- height adjustment 10 > 14 cm
- height control with fine adjustment to align with the finished floor
- protection panel

CODE	L cm
CLCD 010 072 18 XXX	072
CLCD 010 108 18 XXX	108
CLCD 010 144 18 XXX	144
CLCD 010 180 18 XXX	180

fill in grille code

CORNER PIECE



- aluminium grille natural or coated
- duct with stainless steel grille support
- height adjustment: 10 > 14 cm
- height control with fine adjustment to align with the finished floor

CODE	
CLCD 010 025 18 BNA	Alu. natural
CLCD 010 025 18 BNC XXX	Alu. coated

fill in grille code

NOZZLE FOR VENTILATION DUCT

Metal connection adapter



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

CODE	DIMENSIONS
CLCD 010 XXX 18 VEN	4 x 9 cm

fill out length

Synthetic connection adapter



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

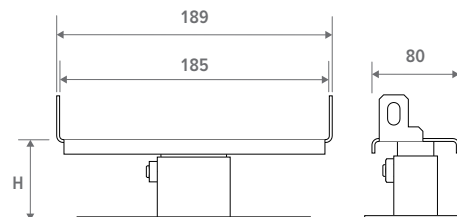
CODE	DIMENSIONS
CLCD 010 XXX 18 BUR	5.2 x 13.2 cm

fill out length

Max. number of connection adapters per length

LENGTH	
072	1 connection adapter
108	2 connection adapters
144	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 072 = 1 set
L 120 = 1 set
L 150 = 2 sets
L 180 = 2 sets

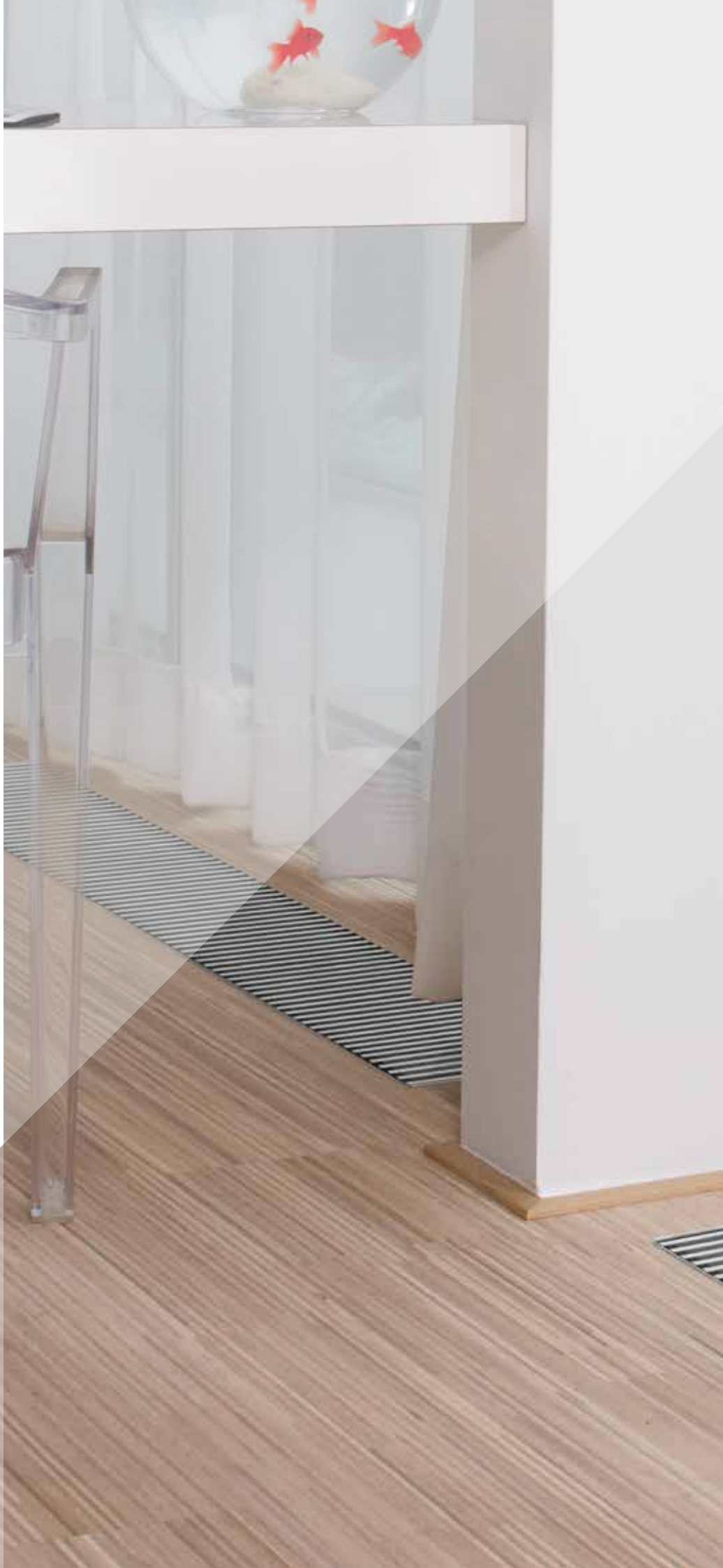
CODE	H cm
5209 0507 0000	5 / 7
5209 0813 0000	8 / 13
5209 1323 0000	13 / 23
5209 2030 0000	20 / 30



jaga

CLIMATE
DESIGNERS

CLIMA CANAL 10 PLUG & PLAY





CLIMA CANAL 10 PLUG & PLAY - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection



VALVES COVER PLATE



JAGA LOCKSHIELD VALVES 1/2" FEMALE THREAD

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



PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC) with fingertip control panel



HEIGHT ADJUSTMENT SCREW

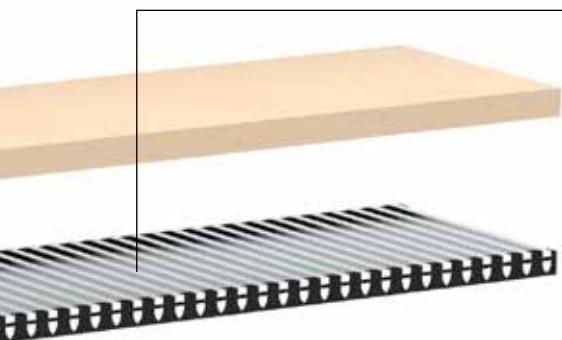


HEIGHT-ADJUSTABLE BASE 0 > 4.5 cm
provided with acoustic decoupling



ELECTRICAL CONNECTION always left-hand side

HYDRONIC CONNECTION always left-hand side



GRILLE



alu. natural grille



DYNAMIC HEAT EXCHANGER

EC FANS



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

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



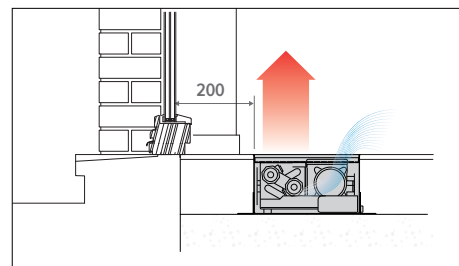
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support
coated housing in sendzimir galvanised steel plate

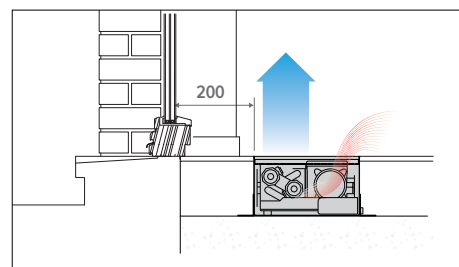
INSTALLATION

- 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 Heating



Operating principle Cooling

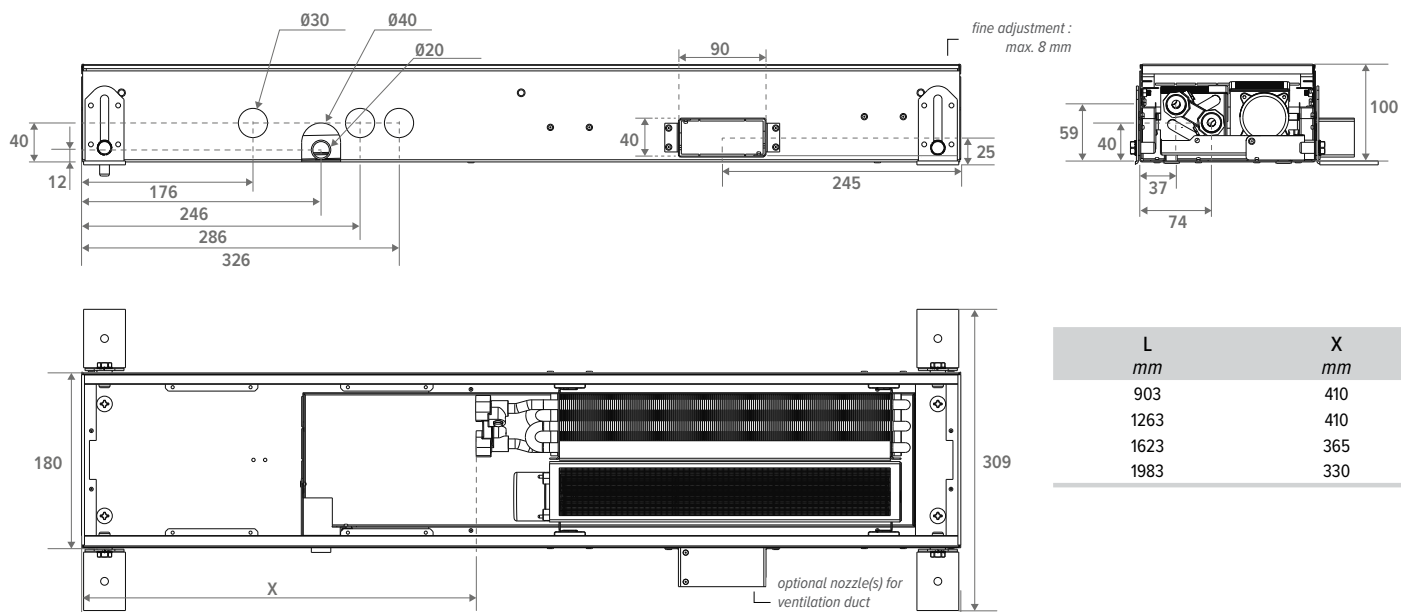


Stainless steel flexible hoses allow the internal mechanism to be removed completely for easy cleaning



CLIMA CANAL 10 PLUG & PLAY

DIMENSIONS (in mm)



L mm	X mm
903	410
1263	410
1623	365
1983	330

STANDARD DELIVERY:

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodised aluminium grille
- dynamic heat exchanger
- thermal activator(s), (tangential mini activator) 24 VDC
- stainless steel flexible connections 1/2", 15 cm long
- integrated 24 VDC power supply and JDPC
- connection set with 2 lockshield valves
- height-adjustable base 0 < 4.5 cm
- fine adjustment 0 > 0.8 cm
- cover plate

GRILLE



BNA

ORDER CODE CLIMA CANAL 10 PLUG & PLAY

CLCP 010 090 18 BNA

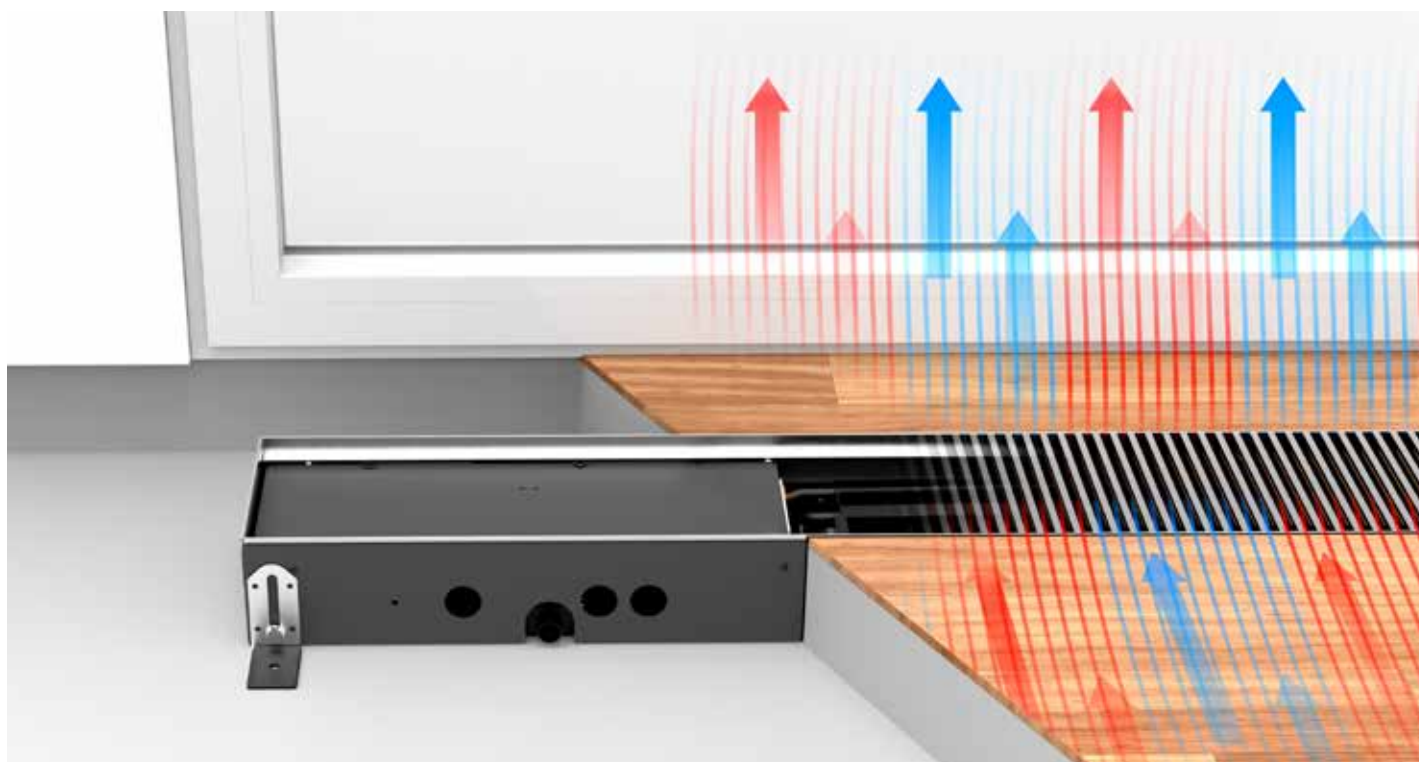
Length

TECHNICAL TABLE - CLIMA CANAL 10 PLUG & PLAY

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
CLCP 010 090 18			2	30	59	42	68	124	152	165	276	14	24	0.5	CLCP 010 090 18 BNA
			4	66	135	96	123	223	273	296	496	15	37	0.8	
			6	104	223	161	173	314	385	417	699	23	52	1.3	
			8	144	319	234	220	401	490	531	891	28	68	2.1	
			10	185	414	307	266	483	592	641	1075	34	79	3.0	
126 18			2	62	122	87	141	256	313	339	569	15	42	0.6	CLCP 010 126 18 BNA
			4	135	275	197	253	459	562	609	1021	19	75	1.3	
			6	214	458	332	356	647	791	858	1438	29	98	2.7	
			8	296	655	480	454	825	1009	1094	1834	32	125	4.6	
			10	381	852	632	548	996	1218	1320	2214	37	160	7.1	
162 18			2	97	191	135	221	402	492	533	894	16	66	1.1	CLCP 010 162 18 BNA
			4	212	432	309	397	722	883	957	1605	20	112	2.1	
			6	336	720	521	559	1016	1244	1348	2260	30	150	4.0	
			8	465	1029	754	713	1295	1585	1718	2881	35	193	6.6	
			10	598	1337	992	861	1564	1915	2075	3479	39	239	10.1	
198 18			2	132	261	184	302	548	671	727	1219	18	84	1.2	CLCP 010 198 18 BNA
			4	290	591	423	541	984	1204	1305	2188	22	150	2.5	
			6	458	981	711	763	1386	1696	1838	3082	32	196	5.4	
			8	634	1403	1028	972	1767	2162	2343	3929	37	250	9.1	
			10	816	1825	1354	1174	2133	2611	2829	4744	41	320	14.1	

Output measured in accordance with EN 16430

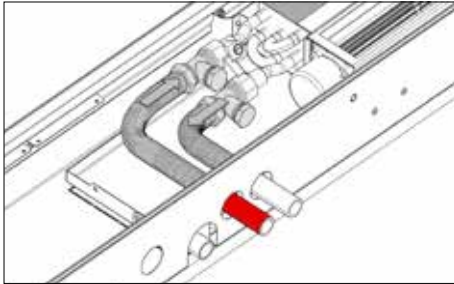
*Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.



HYDRONIC CONNECTION

HYDRONIC CONNECTION

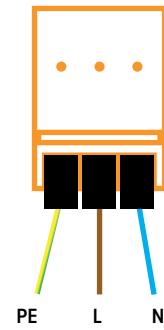
- the heat exchangers with same end connection are always connected on the left side of a two-pipe installation
- always install with the heat exchangers facing the window or the wall



ELECTRICAL CONNECTION

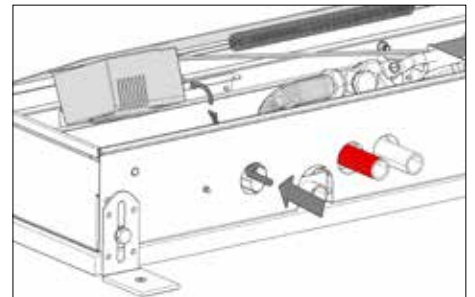
ELECTRICAL CONNECTION

orange clamp connector for 230 VAC electrical connection to the left, to be connected via mains voltage



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 orange clamp connector located at the bottom side of the cover plate.





jaga

CLIMATE
DESIGNERS

CLIMA CANAL 13 B27





CLIMA CANAL 13 B27 - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection

VALVES COVER PLATE

STAINLESS STEEL FLEXIBLE CONNECTIONS 1/2"

15 cm long stainless steel flexible hoses allow the internal mechanism to be removed completely for easy cleaning

ELECTRICAL CONNECTION ON THE INSIDE

HEIGHT ADJUSTMENT SCREW

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

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

HYDRONIC & ELECTRICAL CONNECTION always left-hand side

GRILLE

aluminium and wooden grilles in a variety of colours and materials



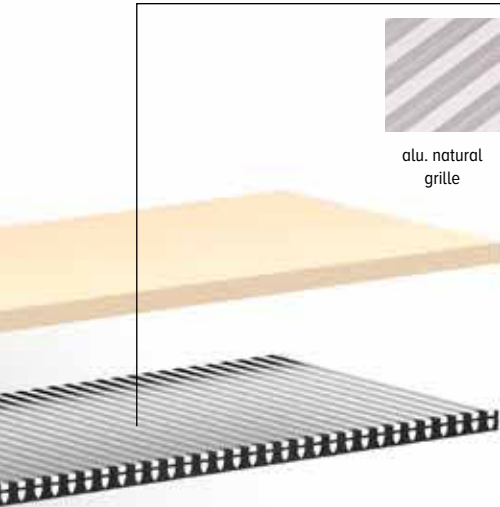
alu. natural grille

coated alu grille

coloured anodised alu grille

natural wooden grille

varnished wooden grille



DYNAMIC HEAT EXCHANGER 4-PIPE

EC FANS

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

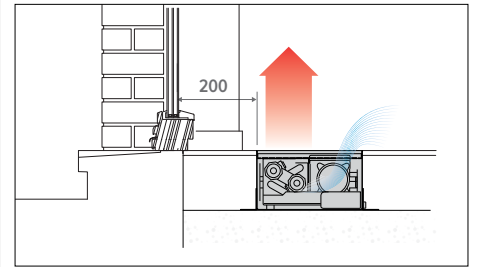
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support
coated housing in sendzimir galvanised steel plate

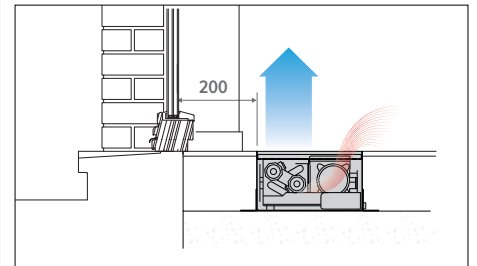
INSTALLATION

- 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 Heating



Operating principle Cooling

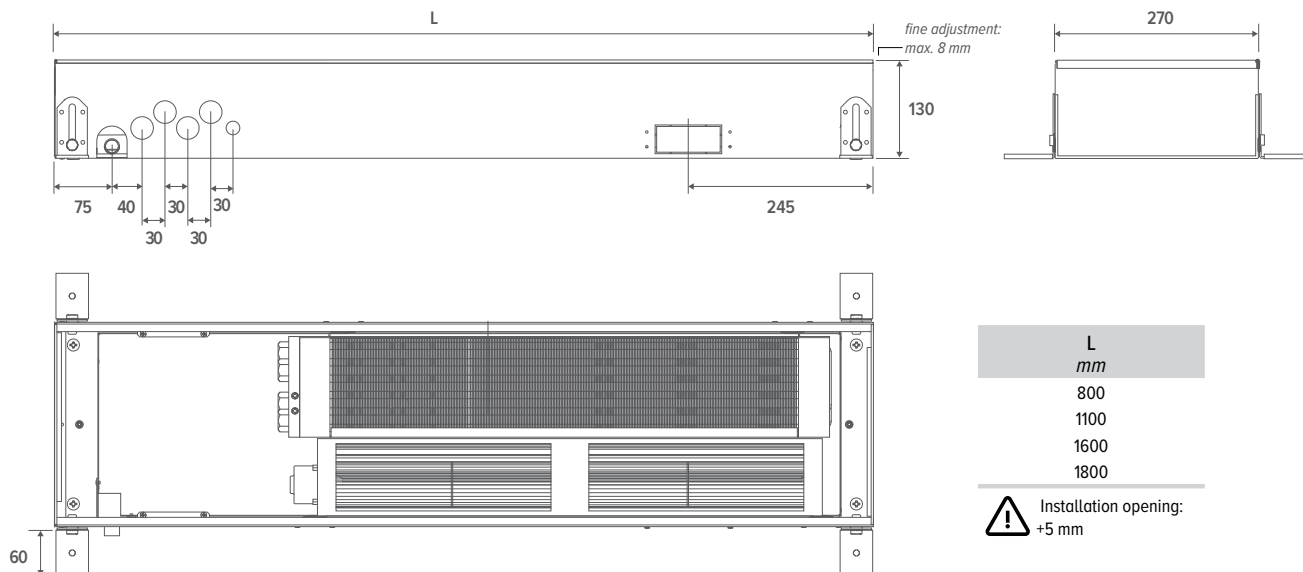


Through-mounting

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.

CLIMA CANAL 13 B27

DIMENSIONS (in mm)



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

GRILLES



BNA

BON

BBN



BNC/XXX

BOV

BBV



BAN/AN1

BAN/AN2

BAN/AN3

ORDER CODE CLIMA CANAL 13 B27

QUAF 013 080 27 XXX

Grille
Width
Length
Height

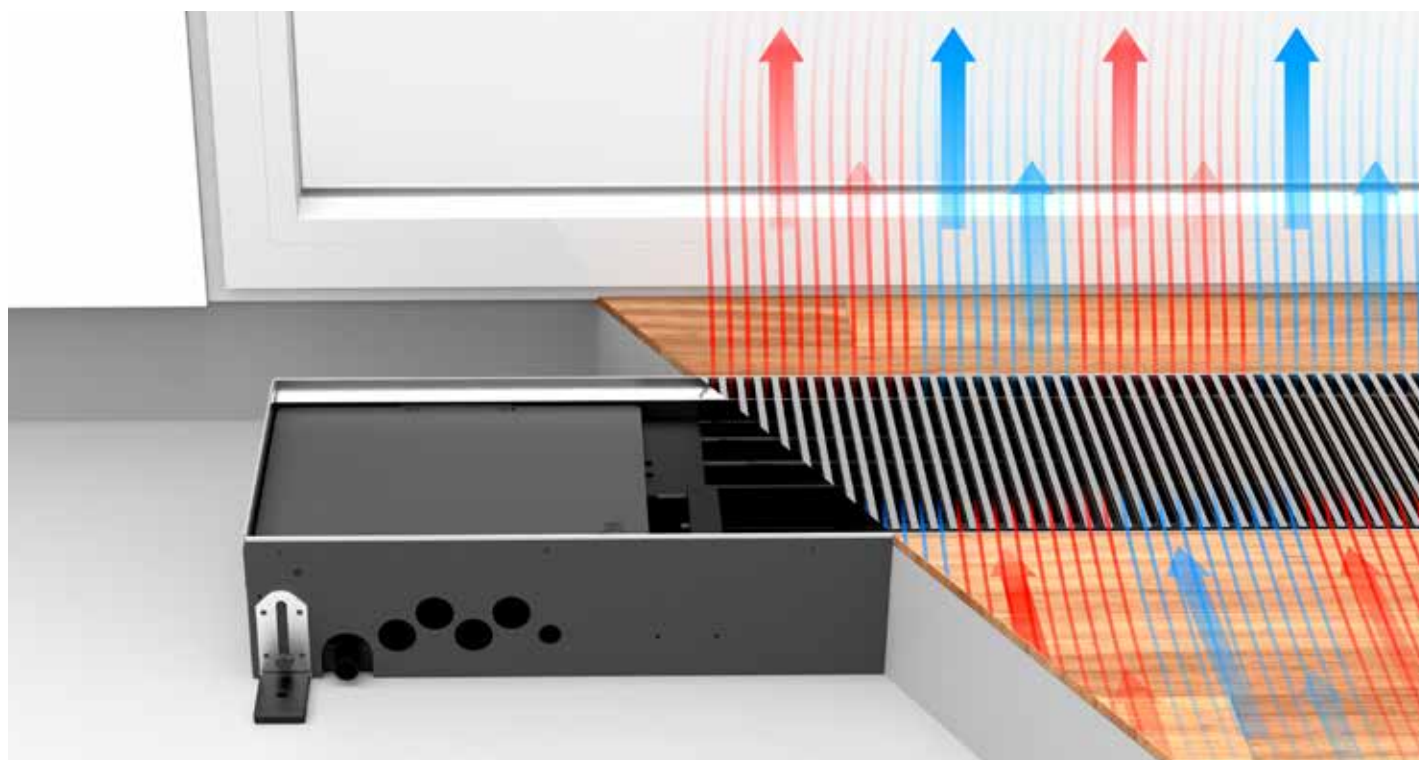
TECHNICAL TABLE - CLIMA CANAL 13 B27 4-PIPE

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING <i>(non-condensing) room temperature 27°C</i>			HEATING <i>room temperature 20°C</i>					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				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
			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
			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
			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
			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.

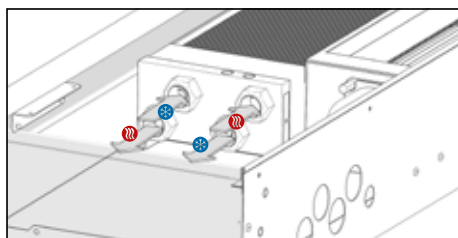
fill in grille code



HYDRONIC CONNECTION

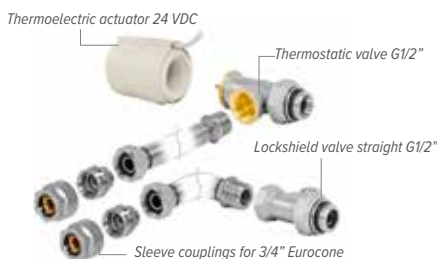
HYDRONIC CONNECTION

- 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



OPTION: CONNECTION SETS

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

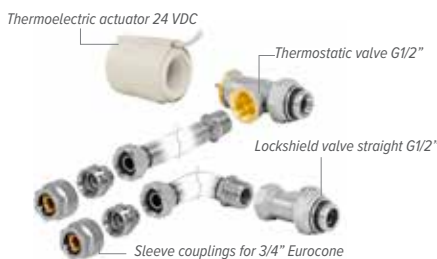


set 297 KVS 0.8 - default setting in 6 steps

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

fill in sleeve coupling code

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

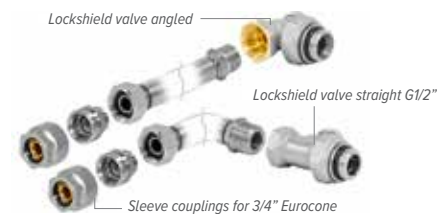


set 298 KVS 1.0 - without default setting

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

fill in sleeve coupling code

Connection set with 2 lockshield valves G1/2"



set 299 KVS 1.2 - Kv max. 0.6

CODY LOM 00 4...

fill in sleeve coupling code

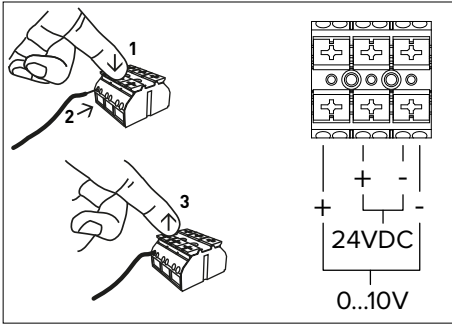
Sleeve couplings 3/4" Eurocone

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

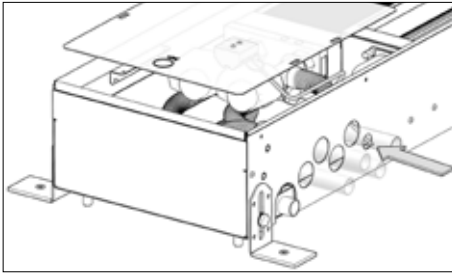
ELECTRICAL CONNECTION

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.



OPTION: POWER SUPPLIES

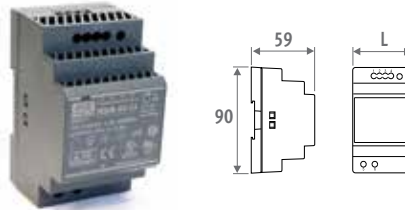
Waterproof power supply 24 VDC with waterproof cable gland



- 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

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / IEC 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

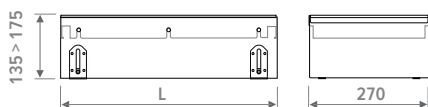
MAXIMUM CABLE LENGTH

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

CABLE LENGTH (M)	NUMBER OF CLIMA CANAL									
	10	20	30	40	50	60	70	80	90	100
L080 7.7 Watts										
1 mm ²	10	5	3	3	2	2	2	2	1	1
1.5 mm ²	15	7	5	3	3	3	2			
2.5 mm ²	24	12	8	6	5	4	4	3	3	3
L110 9.8 Watts										
1 mm ²	6	3	2	2	2	1	1	1	1	1
1.5 mm ²	9	4	3	2	2	2	2	2	1	1
2.5 mm ²	15	6	5	3	3	3	2	2	2	2
L160 17.5 Watts										
1 mm ²	3	3	1							
1.5 mm ²	5	2	2	2	1					
2.5 mm ²	9	4	3	2	2	2	2	2	2	1
L180 19.7 Watts										
1 mm ²	3	3	1							
1.5 mm ²	4	2	2	1						
2.5 mm ²	7	3	2	2	2	2	1			

ACCESSORIES

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

fill in grille code

NOZZLE FOR VENTILATION DUCT

Metal connection adapter



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

CODE	DIMENSIONS
CLCD 013 XXX 27 VEN	4 x 9 cm

fill out length

Synthetic connection adapter



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

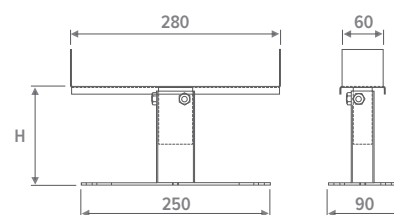
CODE	DIMENSIONS
CLCD 013 XXX 27 BUR	5.2 x 13.2 cm

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



jaga

CLIMATE
DESIGNERS

CLIMA CANAL 13 B32





CLIMA CANAL 13 B32 - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection

VALVES COVER PLATE

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

ELECTRICAL CONNECTION ON THE INSIDE

HEIGHT ADJUSTMENT SCREW

FINE ADJUSTMENT

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

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

HYDRONIC & ELECTRICAL CONNECTION always left-hand side



GRILLE

aluminium and wooden grilles in a variety of colours and materials



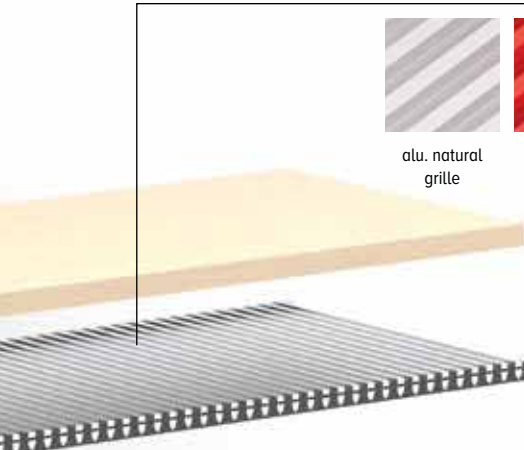
alu. natural grille

coated alu grille

coloured anodised alu grille

natural wooden grille

varnished wooden grille



DYNAMIC HEAT EXCHANGER 2-PIPE

DYNAMIC HEAT EXCHANGER 4-PIPE

EC FANS

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



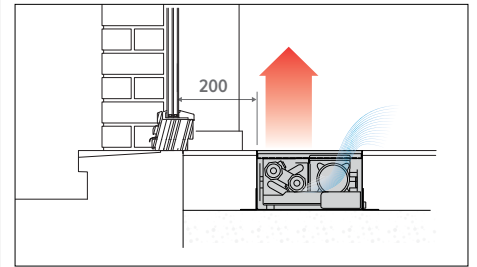
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support
coated housing in sendzimir galvanised steel plate

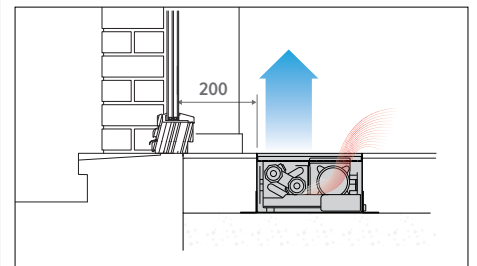
INSTALLATION

- 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 Heating



Operating principle Cooling

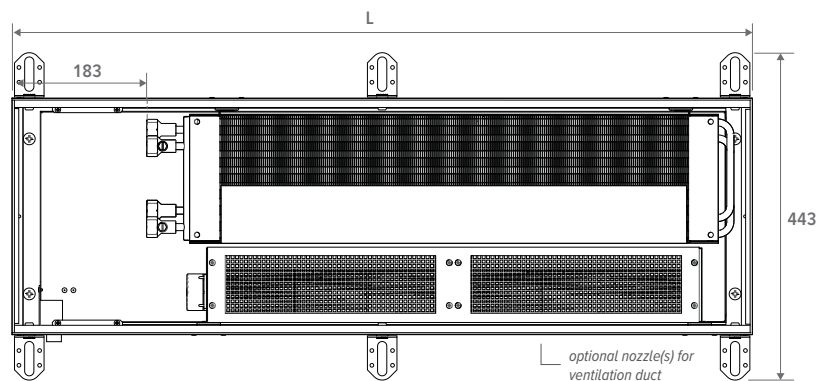
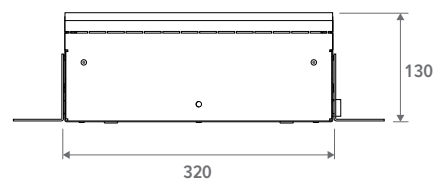
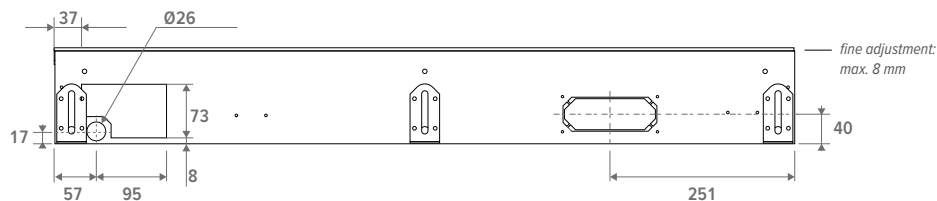


Through-mounting

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.

CLIMA CANAL 13 B32

DIMENSIONS (in mm)



L
703
1003
1203
1403
1703
2003
2303
2803
3003

⚠ Installation opening:
+5 mm

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

GRILLES



BNA

BON

BBN



BNC/XXX

BOV

BBV



BAN/AN1

BAN/AN2

BAN/AN3

ORDER CODE CLIMA CANAL 13 B32 2-PIPE

CCLF 013 070 32 XXX

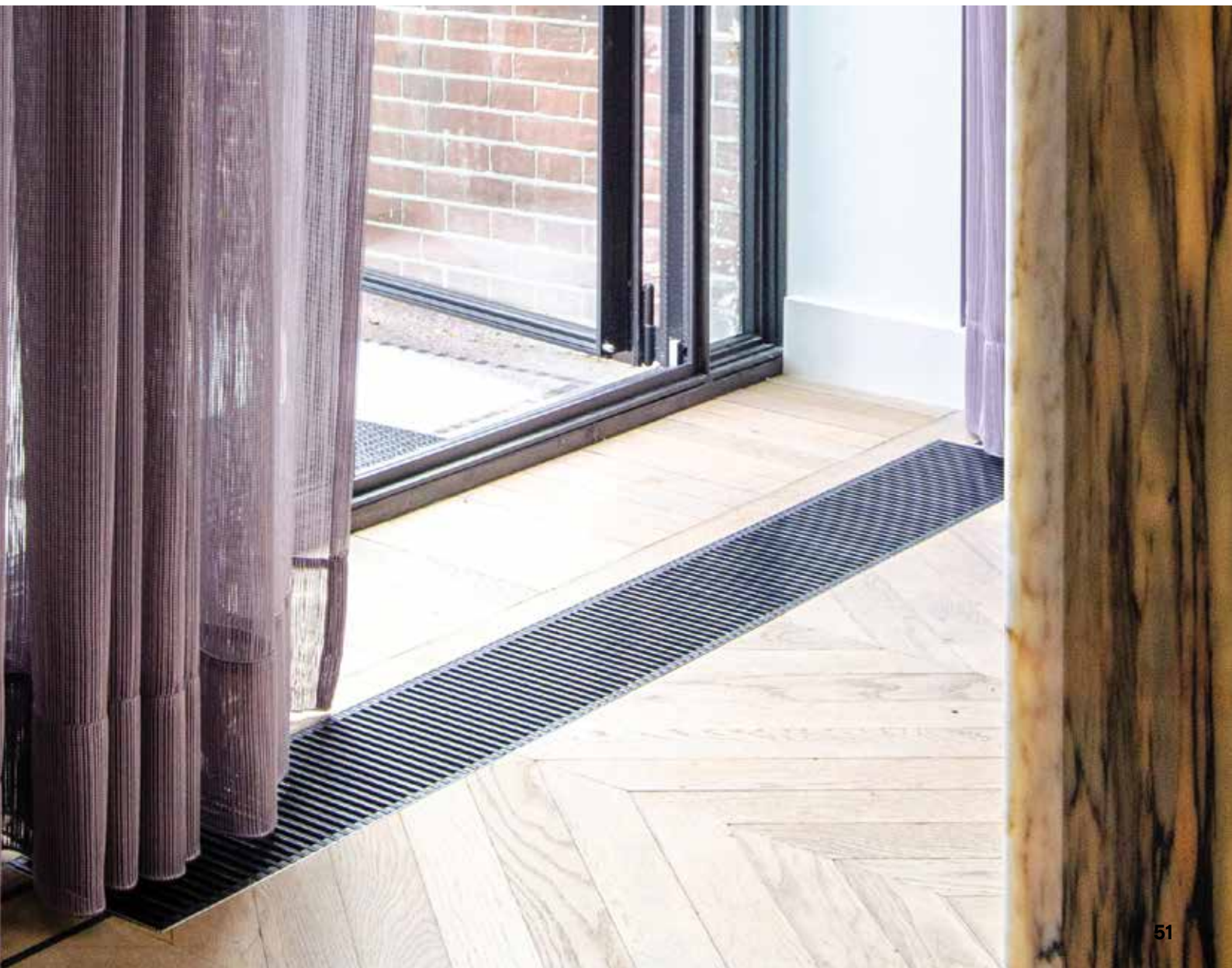
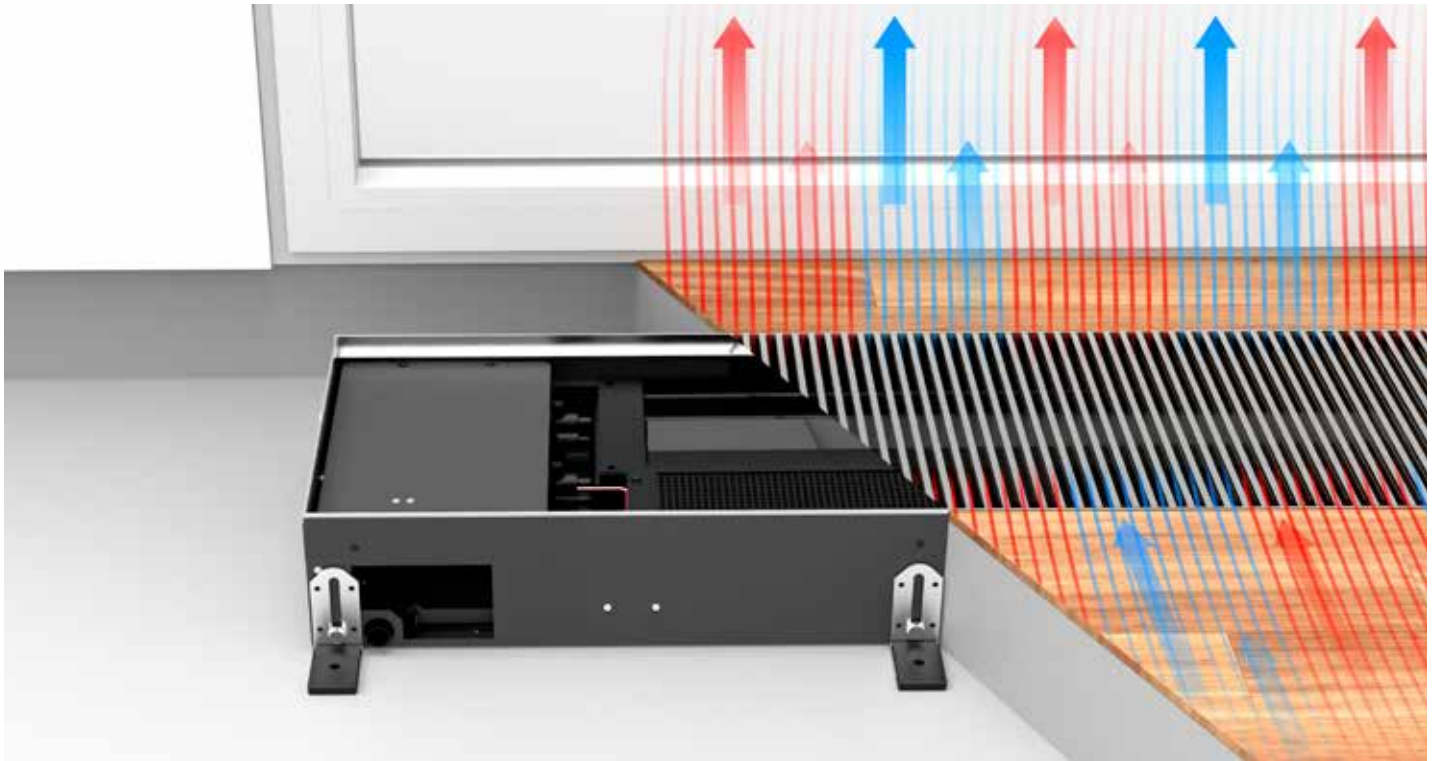
Grille
Width
Length
Height

ORDER CODE CLIMA CANAL 13 B32 4-PIPE

QCLF 013 070 32 XXX

Grille
Width
Length
Height

CLIMA CANAL 13 B32



TECHNICAL TABLE - CLIMA CANAL 13 B32 2-PIPE

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
CCLF 013	070	32	2	67	147	104	77	141	172	187	313	16.0	35	1.0	CCLF 013 070 32 XXX
			4	122	275	197	171	311	381	413	692	19.0	44	1.6	
			6	175	394	285	255	464	568	615	1031	27.0	85	3.2	
			8	224	492	361	329	599	733	794	1331	35.0	117	5.9	
			10	271	562	417	394	716	876	949	1592	38.0	137	8.8	
100	32	2	128	278	197	147	267	326	354	313	20.0	44	1.0	CCLF 013 100 32 XXX	
		4	232	522	373	324	590	722	782	692	25.0	85	1.8		
		6	331	746	541	484	879	1076	1166	1031	29.0	133	3.2		
		8	425	932	684	624	1135	1389	1505	1331	36.0	168	6.4		
		10	515	1065	790	747	1357	1660	1799	1592	39.0	202	10.3		
120	32	2	168	366	259	193	351	429	465	780	20.0	49	1.4	CCLF 013 120 32 XXX	
		4	305	686	491	427	775	949	1028	1724	26.0	114	2.4		
		6	435	981	711	636	1156	1415	1533	2570	30.0	174	4.2		
		8	559	1226	899	821	1492	1826	1979	3318	37.0	235	7.2		
		10	677	1401	1039	982	1784	2183	2366	3967	40.0	273	10.6		
140	32	2	208	454	321	239	435	532	576	966	21.5	79	2.0	CCLF 013 140 32 XXX	
		4	378	850	609	529	961	1176	1275	2137	26.0	129	3.4		
		6	539	1216	881	788	1433	1753	1900	3186	31.0	218	6.4		
		8	693	1520	1114	1018	1849	2263	2453	4113	38.5	285	12.3		
		10	839	1736	1288	1217	2211	2706	2933	4917	41.5	339	19.1		
170	32	2	268	585	414	308	560	686	743	1246	22.0	84	2.4	CCLF 013 170 32 XXX	
		4	487	1097	785	682	1240	1517	1644	2757	27.0	158	4.0		
		6	696	1569	1137	1017	1848	2262	2451	4110	32.0	259	7.4		
		8	894	1960	1437	1313	2385	2919	3164	5305	39.0	352	13.1		
		10	1082	2239	1661	1570	2852	3491	3783	6343	42.0	410	19.4		
200	32	2	328	717	507	378	686	840	910	1527	23.0	93	2.4	CCLF 013 200 32 XXX	
		4	596	1343	962	835	1518	1858	2014	3376	28.5	199	4.2		
		6	852	1921	1392	1245	2263	2770	3002	5033	32.5	307	7.4		
		8	1095	2401	1760	1608	2921	3575	3875	6497	39.5	403	13.6		
		10	1325	2742	2034	1922	3493	4275	4633	7768	42.5	475	20.9		
230	32	2	389	849	600	447	812	994	1077	1807	23.0	98	2.8	CCLF 013 230 32 XXX	
		4	706	1590	1138	989	1797	2199	2383	3996	29.0	228	4.8		
		6	1008	2274	1647	1474	2678	3278	3552	5957	33.0	348	8.4		
		8	1295	2841	2083	1903	3457	4231	4586	7689	40.0	470	14.4		
		10	1568	3246	2407	2275	4134	5059	5483	9193	43.0	546	21.2		
280	32	2	489	1068	755	563	1022	1251	1356	2273	24.0	133	3.8	CCLF 013 280 32 XXX	
		4	888	2000	1432	1244	2261	2767	2999	5028	29.5	272	6.4		
		6	1269	2862	2073	1855	3370	4125	4470	7496	34.0	433	11.6		
		8	1630	3575	2621	2394	4351	5325	5771	9676	41.0	587	20.3		
		10	1973	4084	3029	2863	5202	6367	6900	11569	44.0	683	30		
300	32	2	529	1156	817	609	1106	1354	1467	2460	25.0	142	4.8	CCLF 013 300 32 XXX	
		4	961	2165	1550	1346	2447	2994	3245	5441	31.0	313	8.0		
		6	1373	3097	2243	2007	3647	4464	4838	8111	35.0	481	14.8		
		8	1764	3869	2836	2591	4708	5762	6245	10471	42.0	638	26.2		
		10	2135	4420	3278	3098	5629	6890	7466	12519	45.0	748	38.8		

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

TECHNICAL TABLE - CLIMA CANAL 13 B32 4-PIPE

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
QCLF 013	070	32	2	65	141	100	66	121	148	160	268	16.0	35	1.0	QCLF 013 070 32 XXX
			4	117	264	189	132	241	294	319	535	19.0	44	1.6	
			6	169	381	276	187	339	415	450	755	27.0	85	3.2	
			8	219	480	352	229	417	510	553	927	35.0	117	5.9	
			10	267	553	410	260	473	579	628	1053	38.0	137	8.8	
100	32	2	122	267	189	126	229	280	303	509	20.0	44	1.0	QCLF 013 100 32 XXX	
		4	222	501	359	251	456	558	605	1014	25.0	85	1.8		
		6	320	721	523	354	643	787	853	1431	29.0	133	3.2		
		8	415	909	666	435	790	967	1048	1758	36.0	168	6.4		
		10	507	1049	778	494	897	1098	1190	1995	39.0	202	10.3		
120	32	2	161	352	249	166	301	368	399	669	20.0	49	1.4	QCLF 013 120 32 XXX	
		4	293	659	472	330	600	734	796	1334	26.0	114	2.4		
		6	421	949	687	466	846	1035	1122	1881	30.0	174	4.2		
		8	545	1195	876	572	1039	1272	1378	2311	37.0	235	7.2		
		10	666	1379	1023	649	1180	1444	1565	2624	40.0	273	10.6		
140	32	2	200	436	308	205	373	456	494	829	21.5	79	2.0	QCLF 013 140 32 XXX	
		4	363	817	585	409	743	910	986	1653	26.0	129	3.4		
		6	521	1176	852	577	1049	1283	1391	2332	31.0	218	6.4		
		8	676	1482	1086	709	1288	1577	1709	2865	38.5	285	12.3		
		10	826	1710	1268	805	1462	1790	1940	3252	41.5	339	19.1		
170	32	2	258	562	398	265	481	588	638	1069	22.0	84	2.4	QCLF 013 170 32 XXX	
		4	468	1053	754	528	959	1174	1272	2133	27.0	158	4.0		
		6	672	1517	1099	744	1352	1655	1794	3008	32.0	259	7.4		
		8	872	1911	1401	914	1662	2034	2204	3695	39.0	352	13.1		
		10	1065	2205	1636	1038	1886	2309	2502	4195	42.0	410	19.4		
200	32	2	315	688	487	324	589	721	781	1310	23.0	93	2.4	QCLF 013 200 32 XXX	
		4	573	1290	923	646	1174	1437	1558	2612	28.5	199	4.2		
		6	823	1857	1346	912	1656	2027	2197	3684	32.5	307	7.4		
		8	1067	2341	1716	1120	2035	2491	2699	4526	39.5	403	13.6		
		10	1305	2701	2003	1271	2310	2827	3064	5138	42.5	475	20.9		
230	32	2	373	815	576	384	697	853	924	1550	23.0	98	2.8	QCLF 013 230 32 XXX	
		4	678	1527	1093	765	1390	1701	1843	3091	29.0	228	4.8		
		6	975	2198	1592	1079	1960	2399	2600	4360	33.0	348	8.4		
		8	1263	2770	2031	1325	2408	2948	3194	5356	40.0	470	14.4		
		10	1544	3196	2371	1505	2734	3346	3626	6080	43.0	546	21.2		
280	32	2	470	1025	725	483	877	1073	1163	1950	24.0	133	3.8	QCLF 013 280 32 XXX	
		4	853	1921	1375	963	1749	2141	2320	3890	29.5	272	6.4		
		6	1226	2766	2004	1358	2467	3019	3272	5486	34.0	433	11.6		
		8	1590	3486	2556	1668	3031	3709	4020	6740	41.0	587	20.3		
		10	1943	4022	2983	1893	3440	4211	4563	7651	44.0	683	30		
300	32	2	508	1110	785	522	949	1161	1259	2111	25.0	142	4.8	QCLF 013 300 32 XXX	
		4	923	2079	1488	1042	1893	2316	2510	4209	31.0	313	8.0		
		6	1327	2993	2169	1469	2670	3267	3541	5937	35.0	481	14.8		
		8	1720	3773	2766	1805	3280	4014	4350	7294	42.0	638	26.2		
		10	2102	4352	3228	2049	3723	4557	4938	8280	45.0	748	38.8		

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

HYDRONIC CONNECTION

HYDRONIC CONNECTION

2-pipe

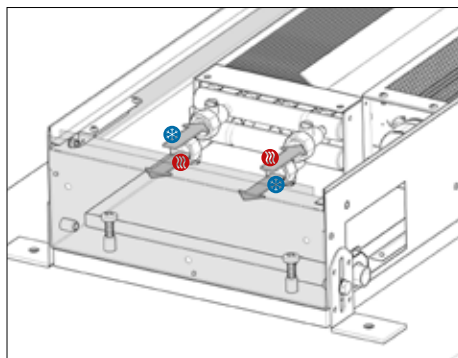
the two-pipe heat exchangers with single-sided connection are always connected to the leftside of a two-pipe installation

4-pipe

the 4-pipe heat exchanger with single connection is always connected to the left of an installation with two separate hydronic circuits

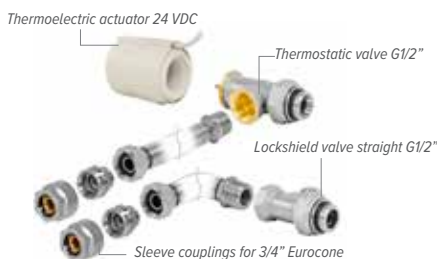
General

always install with the heat exchangers facing the window or the wall



OPTION: CONNECTION SETS

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

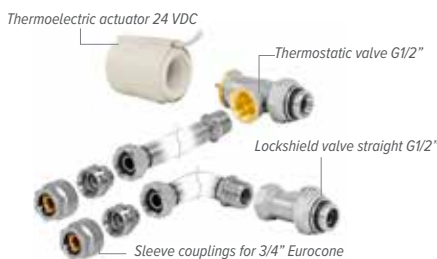


set 297 KVS 0.8 - default setting in 6 steps

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

fill in sleeve coupling code

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

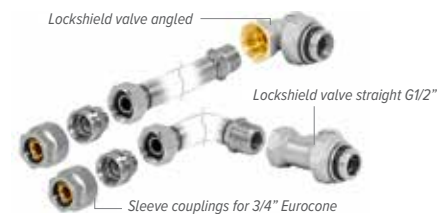


set 298 KVS 1.0 - without default setting

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

fill in sleeve coupling code

Connection set with 2 lockshield valves G1/2"



set 299 KVS 1.2 - Kv max. 0.6

CODY LOM 00 4...

fill in sleeve coupling code

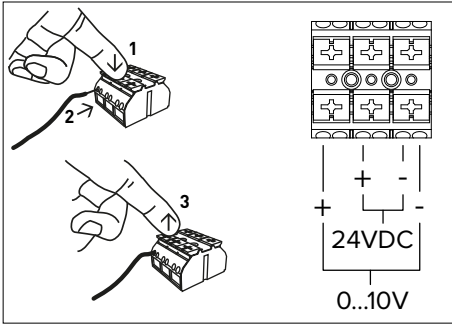
Sleeve couplings 3/4" Eurocone

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

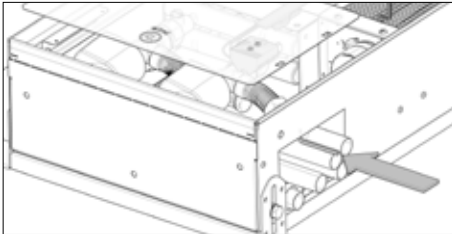
ELECTRICAL CONNECTION

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.



OPTION: POWER SUPPLIES

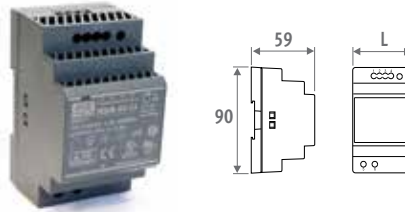
Waterproof power supply 24 VDC with waterproof cable gland



- 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

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / IEC 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

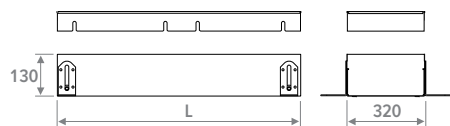
MAXIMUM CABLE LENGTH

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

CABLE LENGTH (M)	NUMBER OF CLIMA CANAL									
	10	20	30	40	50	60	70	80	90	100
H13 B32 L070 8.8 Watts										
1 mm ²	9	4	3	2	1	1	1	1		
1.5 mm ²	13	6	4	3	2	2	2	1	1	1
2.5 mm ²	22	11	7	5	4	3	3	2	2	2
H13 B32 L100 10.3 Watts										
1 mm ²	7	3	2	1	1	1	1	1		
1.5 mm ²	11	5	3	2	2	1	1	1	1	1
2.5 mm ²	19	9	6	4	3	3	2	2	2	1
H13 B32 L120 10.6 Watts										
1 mm ²	6	3	1	1	1	1				
1.5 mm ²	9	4	3	2	1	1	1	1	1	
2.5 mm ²	15	7	5	3	3	2	2	1	1	1
H13 B32 L140 19.1 Watts										
1 mm ²	6	3	1	1	1	1				
1.5 mm ²	9	4	3	2	1	1	1	1	1	
2.5 mm ²	15	7	5	3	3	2	2	1	1	1
H13 B32 L170 19.4 Watts										
1 mm ²	4	2	1	1	1					
1.5 mm ²	6	3	2	1	1	1				
2.5 mm ²	10	5	3	2	2	1	1	1	1	1
H13 B32 L200 20.9 Watts										
1 mm ²	3	1	1							
1.5 mm ²	5	2	1	1	1					
2.5 mm ²	9	4	3	2	1	1	1	1	1	1
H13 B32 L230 21.2 Watts										
1 mm ²	3	1	1							
1.5 mm ²	5	2	1	1	1					
2.5 mm ²	9	4	3	2	1	1	1	1	1	1
H13 B32 L280 30 Watts										
1 mm ²	2	1								
1.5 mm ²	3	1	1							
2.5 mm ²	6	3	2	1	1	1				
H13 B32 L300 38.8 Watts										
1 mm ²	2	1								
1.5 mm ²	3	1	1							
2.5 mm ²	5	2	1	1	1					

ACCESSORIES

EMPTY HOUSING



- to fill open spaces for a continuous installation
- aluminium or wooden grille
- duct with stainless steel grille support
- height adjustment 13 > 17 cm
- height control with fine adjustment to align with the finished floor
- protection panel

CODE	L cm
CLCD 013 070 32 XXX	070
CLCD 013 100 32 XXX	100
CLCD 013 120 32 XXX	120
CLCD 013 140 32 XXX	140
CLCD 013 170 32 XXX	170
CLCD 013 200 32 XXX	200
CLCD 013 230 32 XXX	230
CLCD 013 280 32 XXX	280
CLCD 013 300 32 XXX	300

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	
CCLD 013 038 32 BNA	Alu. natural
CCLD 013 038 32 BNC XXX	Alu. coated

fill in grille code

NOZZLE FOR VENTILATION DUCT

Metal connection adapter



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

CODE	DIMENSIONS
CLCD 013 XXX 32 VEN	4 x 9 cm

fill out length

Synthetic connection adapter



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

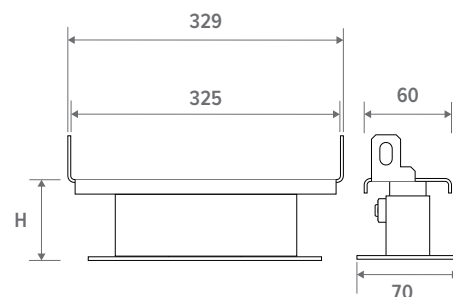
CODE	DIMENSIONS
CLCD 013 XXX 32 BUR	5.2 x 13.2 cm

fill out length

Max. number of connection adapters per length

LENGTH	
070	1 connection adapter
100	2 connection adapters
120	2 connection adapters
140	3 connection adapters
170	3 connection adapters
200	4 connection adapters
230	4 connection adapters
280	5 connection adapters
300	6 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 070 = 1 set
██████████	L 100 = 1 set
██████████	L 120 = 1 set
██████████	L 140 = 2 sets
██████████	L 170 = 2 sets
██████████	L 200 = 2 sets
██████████	L 230 = 3 sets
██████████	L 280 = 3 sets
██████████	L 300 = 3 sets

CODE	H cm
5213 0507 0000	5 / 7
5213 0813 0000	8 / 13
5213 1323 0000	13 / 23
5213 2030 0000	20 / 30



jaga

CLIMATE
DESIGNERS

CLIMA CANAL 19





CLIMA CANAL 19 - COMPOSITION

PROTECTION PANEL

panel for mounting and site protection

VALVES COVER PLATE

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

ELECTRICAL CONNECTION ON THE INSIDE

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

HEIGHT ADJUSTMENT SCREW

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

HYDRONIC & ELECTRICAL CONNECTION always left-hand side



GRILLE

aluminium and wooden grilles in a variety of colours and materials



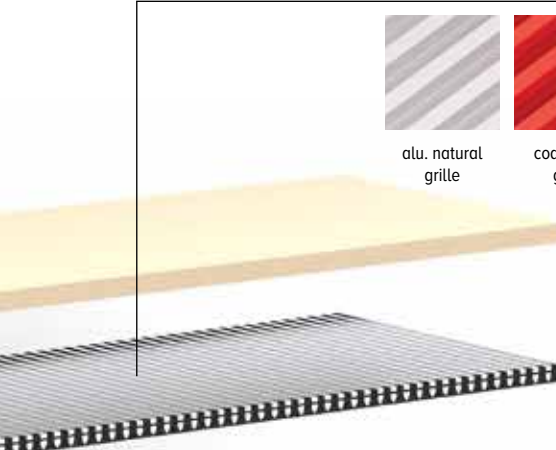
alu. natural grille

coated alu grille

coloured anodised alu grille

natural wooden grille

varnished wooden grille



DYNAMIC HEAT EXCHANGER 2-PIPE

DYNAMIC HEAT EXCHANGER 4-PIPE

EC FANS

INNER HOUSING



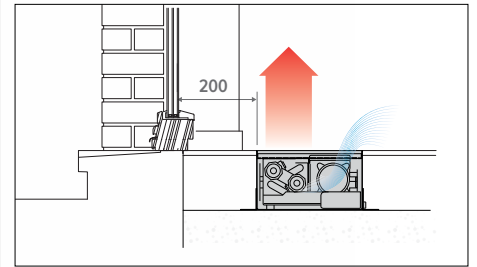
OPTIONAL NOZZLE(S) for ventilation duct

DUCT with stainless steel grille support coated housing in sendzimir galvanised steel plate

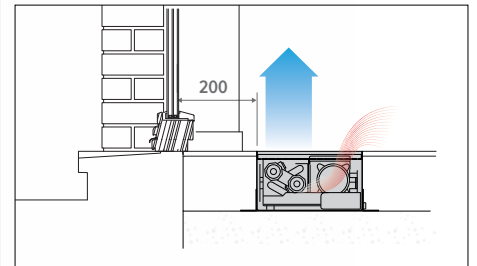
INSTALLATION

- 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 Heating



Operating principle Cooling

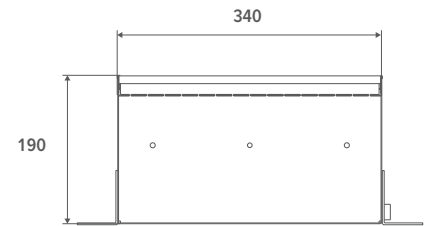
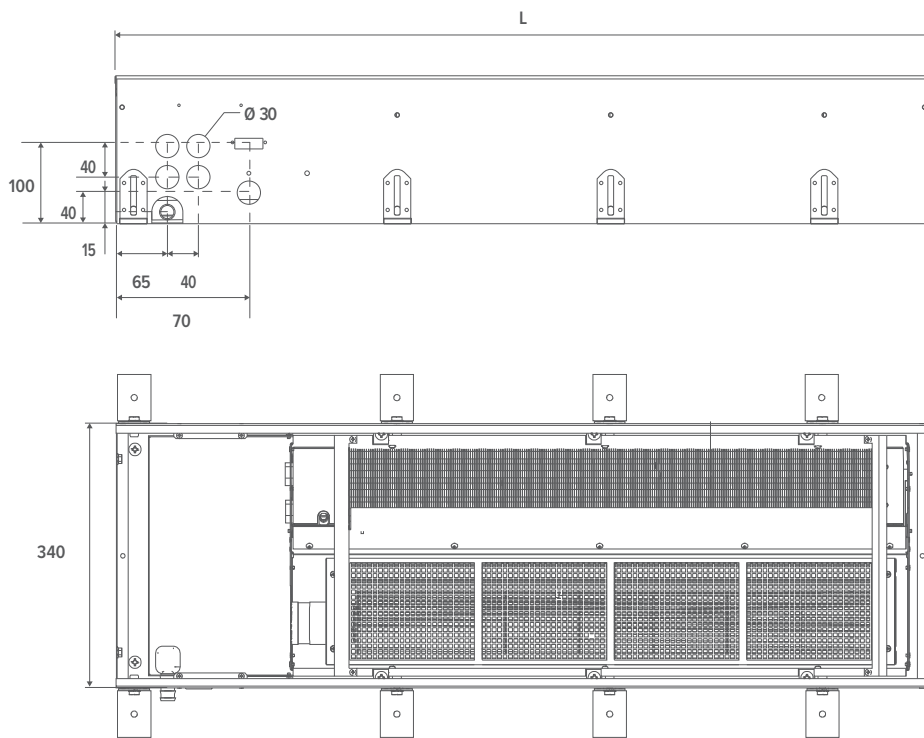


Through-mounting

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.

CLIMA CANAL 19

DIMENSIONS (in mm)



L
mm
1050
1200
2000
2800

⚠ Installation opening:
+5 mm

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
- 2 stainless steel flexible connections 1/2", 15 cm long
- provided as standard to enable continuous installation
- cover plate

GRILLES



BNA

BON

BBN



BNC/XXX

BOV

BBV



BAN/AN1

BAN/AN2

BAN/AN3

ORDER CODE CLIMA CANAL 19 2-PIPE

CCAF 019 105 34 XXX

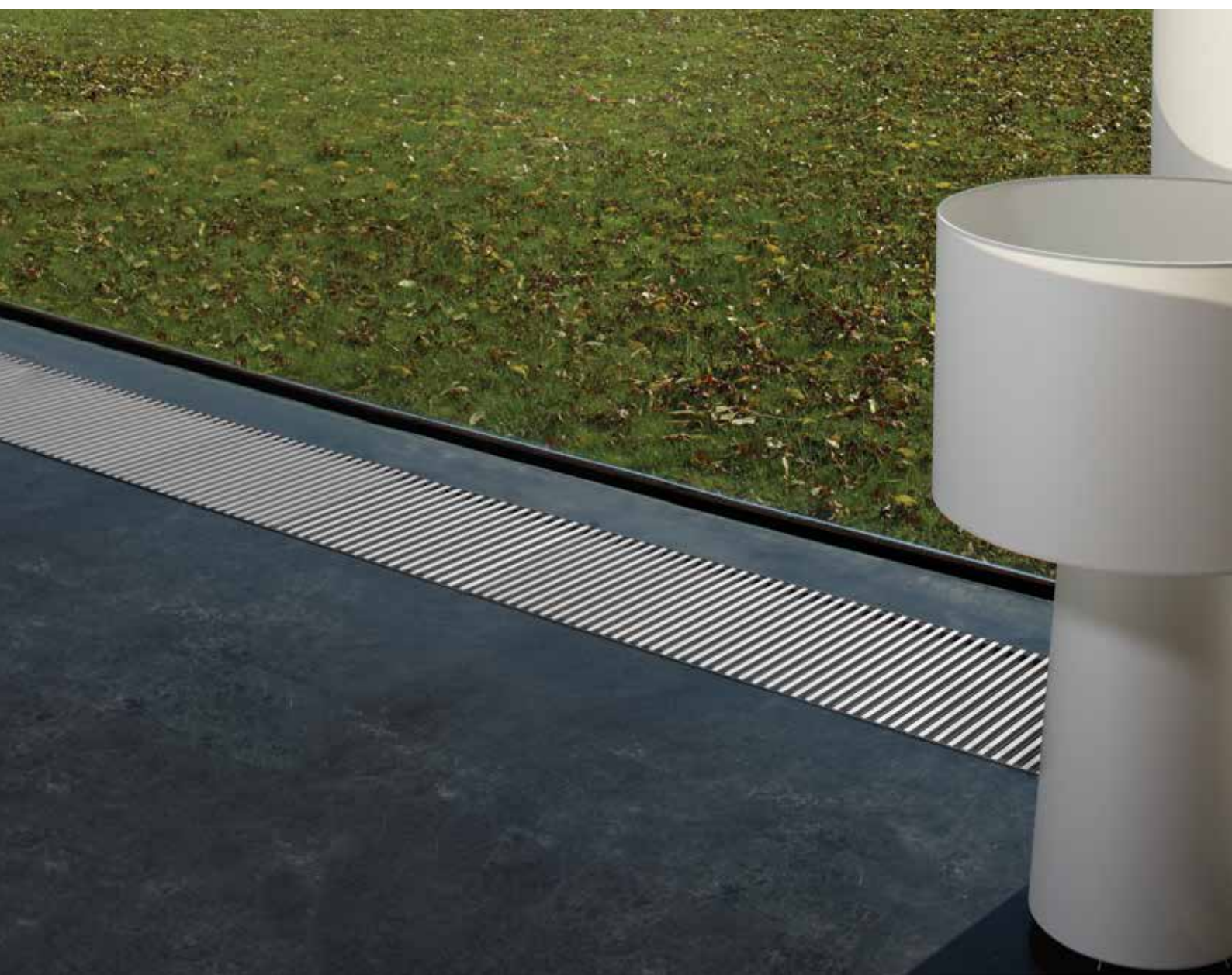
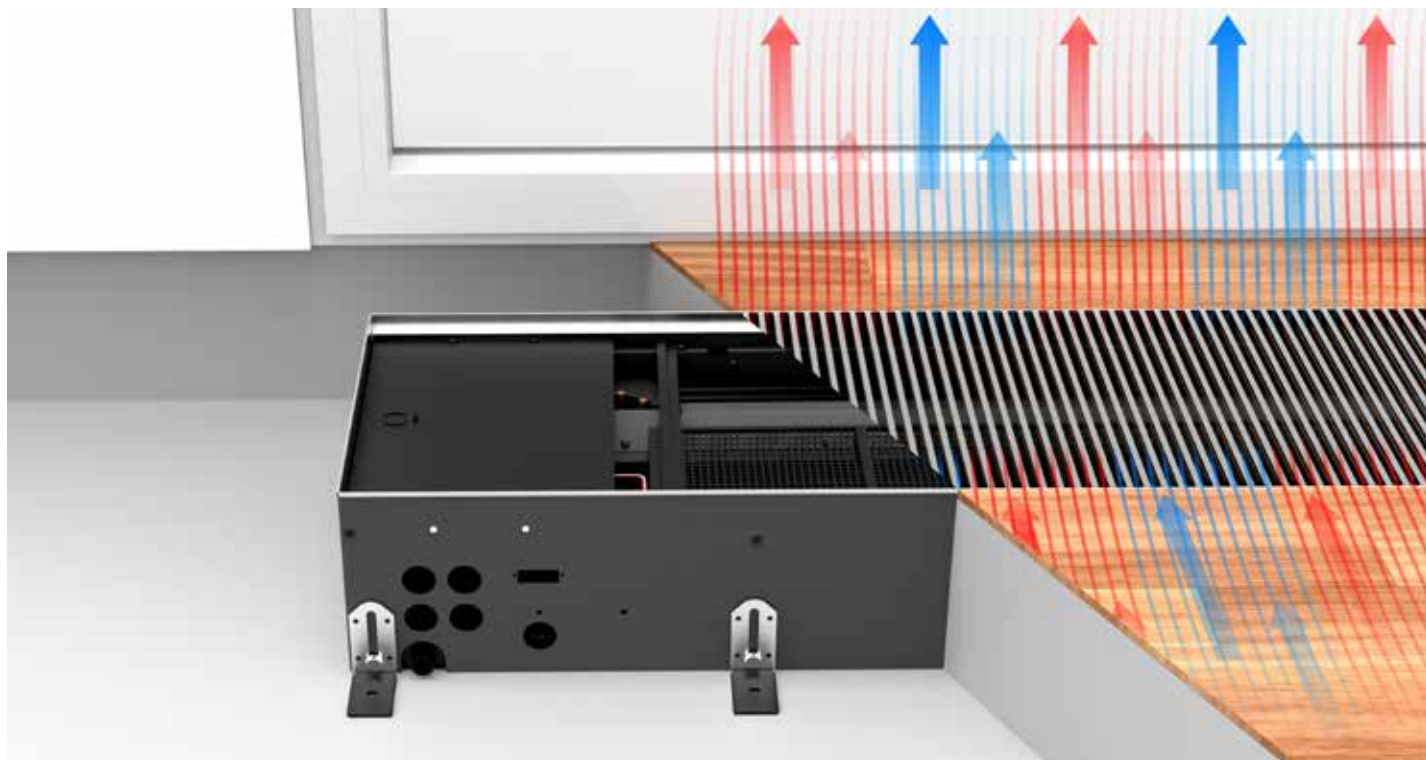


ORDER CODE CLIMA CANAL 19 4-PIPE

QCAF 019 105 34 XXX



CLIMA CANAL 19



TECHNICAL TABLE - CLIMA CANAL 19 2-PIPE

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts				
CCAF 019	105	34	2	164	378	267	308	560	685	743	1245	17.0	97	1.5	CCAF 019 105 34 XXX
			4	321	729	522	486	884	1082	1172	1965	21.0	167	2.7	
			6	474	1069	775	635	1154	1413	1531	2567	27.0	236	4.8	
			8	626	1405	1030	768	1395	1707	1850	3102	35.0	309	9.3	
			10	777	1739	1290	889	1615	1977	2143	3593	40.0	351	15.0	
120	34	2	204	469	332	383	696	852	923	1548	19.0	82	3.2	CCAF 019 120 34 XXX	
		4	398	906	649	604	1098	1344	1457	2442	22.0	179	6.7		
		6	589	1328	962	789	1434	1755	1902	3189	28.0	260	12.1		
		8	778	1746	1280	954	1733	2121	2299	3854	36.0	351	18.4		
		10	965	2160	1602	1105	2007	2457	2662	4464	41.0	401	24.0		
200	34	2	398	916	648	748	1359	1663	1802	3021	21.1	179	4.6	CCAF 019 200 34 XXX	
		4	778	1770	1267	1180	2144	2624	2844	4768	24.6	346	9.4		
		6	1151	2594	1879	1541	2800	3427	3714	6227	30.5	496	16.9		
		8	1519	3409	2499	1862	3384	4141	4488	7525	38.5	660	27.7		
		10	1885	4218	3128	2157	3919	4796	5198	8716	43.5	752	38.9		
280	34	2	592	1363	964	1112	2021	2474	2681	4495	22.5	276	6.1	CCAF 019 280 34 XXX	
		4	1157	2633	1885	1756	3190	3904	4231	7094	26.1	513	12.1		
		6	1712	3859	2796	2293	4166	5098	5525	9264	32.1	732	21.7		
		8	2260	5072	3718	2770	5034	6161	6677	11196	40.1	969	37.0		
		10	2804	6275	4655	3209	5831	7136	7734	12967	45.1	1103	53.8		

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

TECHNICAL TABLE - CLIMA CANAL 19 4-PIPE

HEIGHT H cm	LENGTH L cm	WIDTH B cm	CONTROL VOLTAGE U V	COOLING <i>(non-condensing) room temperature 27°C</i>			HEATING <i>room temperature 20°C</i>					SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	ORDER CODE	
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts	75/65 Watts					
QCAF 019 105 34			2	149	343	243	205	373	457	495	830	17.0	97	1.5	QCAF 019 105 34 XXX	
				4	291	663	475	324	589	721	781	1310	21.0	167		2.7
				6	431	972	704	423	769	942	1021	1711	27.0	236		4.8
				8	569	1277	937	512	930	1138	1233	2068	35.0	309		9.3
				10	706	1581	1172	593	1077	1318	1428	2395	40.0	351		15.0
120 34			2	185	427	302	255	464	568	615	1032	19.0	82	3.2	QCAF 019 120 34 XXX	
				4	362	824	590	403	732	896	971	1628	22.0	179		6.7
				6	536	1208	875	526	956	1170	1268	2126	28.0	260		12.1
				8	707	1587	1164	636	1155	1414	1532	2570	36.0	351		18.4
				10	878	1964	1457	736	1338	1638	1775	2976	41.0	401		24.0
200 34			2	362	833	589	498	906	1108	1201	2014	21.1	179	4.6	QCAF 019 200 34 XXX	
				4	707	1609	1152	787	1429	1749	1896	3179	24.6	346		9.4
				6	1046	2358	1708	1027	1867	2285	2476	4151	30.5	496		16.9
				8	1381	3099	2272	1241	2256	2761	2992	5017	38.5	660		27.7
				10	1714	3834	2844	1438	2613	3198	3465	5810	43.5	752		38.9
280 34			2	538	1239	877	742	1348	1649	1787	2997	22.5	276	6.1	QCAF 019 280 34 XXX	
				4	1052	2394	1713	1170	2127	2603	2821	4729	26.1	513		12.1
				6	1556	3508	2542	1528	2777	3399	3683	6176	32.1	732		21.7
				8	2055	4611	3380	1847	3356	4108	4451	7464	40.1	969		37.0
				10	2549	5705	4231	2139	3887	4757	5156	8645	45.1	1103		53.8

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

HYDRONIC CONNECTION

HYDRONIC CONNECTION

2-pipe

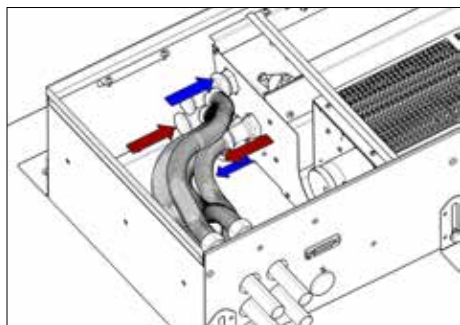
the two-pipe heat exchangers with single-sided connection are always connected to the leftside of a two-pipe installation

4-pipe

the 4-pipe heat exchanger with single connection is always connected to the left of an installation with two separate hydronic circuits

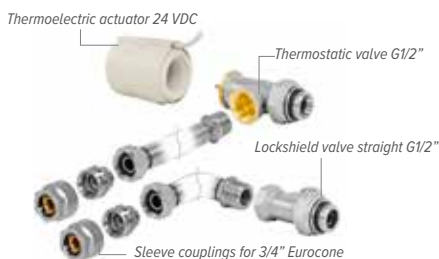
General

always install with the heat exchangers facing the window or the wall



OPTION: CONNECTION SETS

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

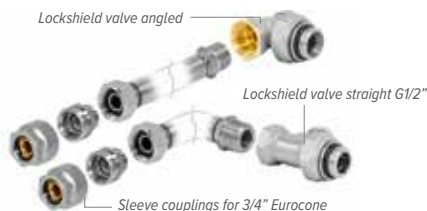


set 298 KVS 1.0 - without default setting

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

fill in sleeve coupling code

Connection set with 2 lockshield valves G1/2"



set 299 KVS 1.2 - Kv max. 0.6

CODY LOM 00 4...

fill in sleeve coupling code

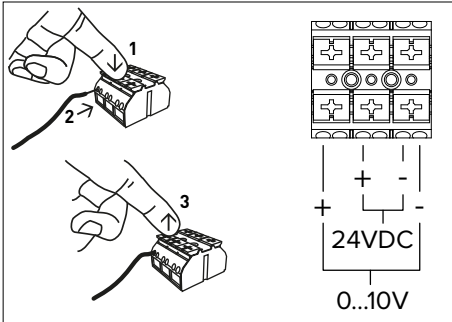
Sleeve couplings 3/4" Eurocone

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

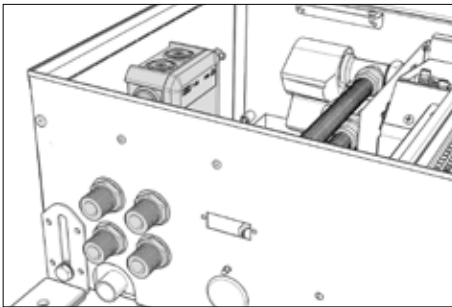
ELECTRICAL CONNECTION

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.



OPTION: POWER SUPPLIES

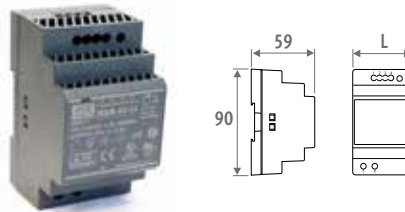
Waterproof power supply 24 VDC with waterproof cable gland



- 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

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / IEC 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

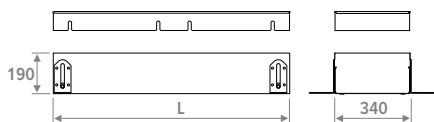
MAXIMUM CABLE LENGTH

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

CABLE LENGTH (M)	NUMBER OF CLIMA CANAL									
	10	20	30	40	50	60	70	80	90	100
L 105 15 Watts										
1 mm ²	5	2	1	1	1					
1.5 mm ²	7	3	2	1	1	1	1	1		
2.5 mm ²	13	6	4	3	2	2	1	1	1	1
L 120 24 Watts										
1 mm ²	3	1	1							
1.5 mm ²	4	2	1	1						
2.5 mm ²	8	4	2	2	1	1	1	1	1	
L200 39 Watts										
1 mm ²	2	1								
1.5 mm ²	4	2	1	1						
2.5 mm ²	5	2	1	1	1					
L280 54 Watts										
1 mm ²	1									
1.5 mm ²	2	1								
2.5 mm ²	3	1	1							

ACCESSORIES

EMPTY HOUSING



- to fill open spaces for a continuous installation
- aluminium or wooden grille
- duct with stainless steel grille support
- height adjustment 19 > 23 cm
- height control with fine adjustment to align with the finished floor
- protection panel

CODE	L cm
CCAD 019 105 34 XXX	105
CCAD 019 120 34 XXX	120
CCAD 019 200 34 XXX	200
CCAD 019 280 34 XXX	280

fill in grille code

CORNER PIECE



- aluminium grille natural or coated
- duct with stainless steel grille support
- height adjustment: 19 > 23 cm

CODE	
CCAD 019 040 34 BNA	Alu. natural
CCAD 019 040 34 BNC XXX	Alu. coated

fill in grille code

NOZZLE FOR VENTILATION DUCT

Metal connection adapter

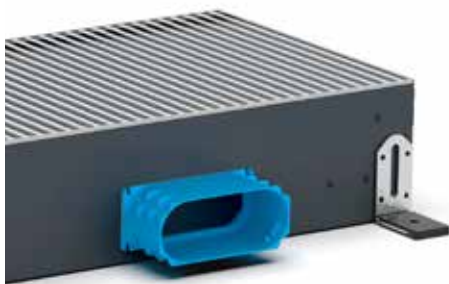


- connection for pretreated air
- supply diameter: Ø8 - Ø10 - Ø12.5
- made from galvanised steel plate

CODE	
CCAD 019 XXX 34 VENA	Ø8 cm
CCAD 019 XXX 34 VENB	Ø10 cm
CCAD 019 XXX 34 VENC	Ø12.5 cm
QCAD 019 XXX 34 VENA	Ø8 cm
QCAD 019 XXX 34 VENB	Ø10 cm
QCAD 019 XXX 34 VENC	Ø12.5 cm

fill out length

Synthetic connection adapter



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

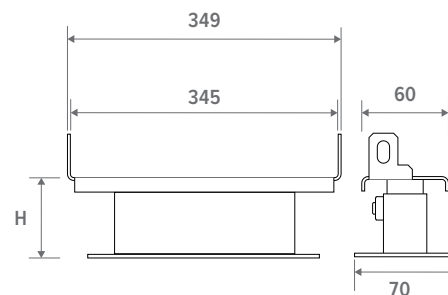
CODE	DIMENSIONS
CCAD 019 XXX 34 BUR	5.2 x 13.2 cm

fill out length

Max. number of connection adapters per length

LENGTH	
105	2 connection adapters
120	2 connection adapters
200	4 connection adapters
280	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 100 = 1 set
█	L 120 = 1 set
█	L 200 = 2 sets
█	L 280 = 3 sets

CODE	H cm
5212 0507 0000	5 / 7
5212 0813 0000	8 / 13
5212 1323 0000	13 / 23
5212 2030 0000	20 / 30



CONTROL SYSTEMS

JDPC (JAGA DYNAMIC PRODUCT CONTROLLER)



Control panel

Multifunctional controller for dynamic heating and cooling units provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and delivered pre-assembled inside the unit.

CODE	POSITION	CONTROL PANEL	EXTERNAL 0-10 V CONTROL	2-PIPE	4-PIPE	WATER TEMPERATURE SENSOR	AIR TEMPERATURE SENSOR
Clima Canal 008							
DPC CC 24 22		✓	-	✓	-	✓	-
DPC CC 25 22		✓	-	✓	-	✓	-
DPC CC 71 20		-	✓	✓	-	✓	-
DPC CC 72 20		-	✓	✓	-	✓	-
Clima Canal 010, 013 & 019							
DPC CC 24 22		✓	-	✓	-	✓	-
DPC CC 25 22		✓	-	✓	-	✓	-
DPC CC 25 42		✓	-	-	✓	✓	-
DPC CC 71 20		-	✓	✓	-	✓	-
DPC CC 72 20		-	✓	✓	-	✓	-
DPC CC 72 40		-	✓	-	✓	✓	-

THERMOSTATS

JRT-100 TW
BLACK



8751 050017

JRT-100 TW
WHITE



8751 050019

JRT-100



8751 050012

JRT-200



8751 050013

RDG 160T



8751 050009

RDG264KN



8751 050018

	JRT-100 TW	JRT-100	JRT-200	RDG 160T	RDG264KN
POWER SUPPLY					
supply voltage	24V DC	24V DC	24V DC	24V DC	24V DC
OUTPUT / INPUT VOLTAGE					
valve 24V DC contact	2 (NO)	2 (NO)	-	-	-
potential-free contact	-	-	2 (NO)	3 (NO)	3 (NO)
input from keycard	-	-	✓	✓	✓
input from window contact	-	-	-	✓	✓
fan (0 - 10 V DC)	max. +/- 10 mA	max. +/- 10 mA	max. +/- 10 mA	max. +/- 5 mA	max. +/- 5 mA
manual 3-position speed controller	✓	✓	✓	✓	✓
automatic mode	✓	✓	✓	✓	✓
APPLICATIONS					
2-pipe					
manually (H/C)	✓	✓	✓	✓	✓
auto (H/C) - water temperature sensor necessary	-	-	-	✓	✓
4-pipe					
manually (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

SAMPLE WIRE DIAGRAMS ELECTRICAL INSTALLATION

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 RDG160T

Option 5: home automation

4. HYDRONIC

Option 1: two-pipe system

Option 2: 4-pipe system

5. TEMPERATURE MONITORING

Option 1: with temperature monitoring

Option 2: without temperature monitoring

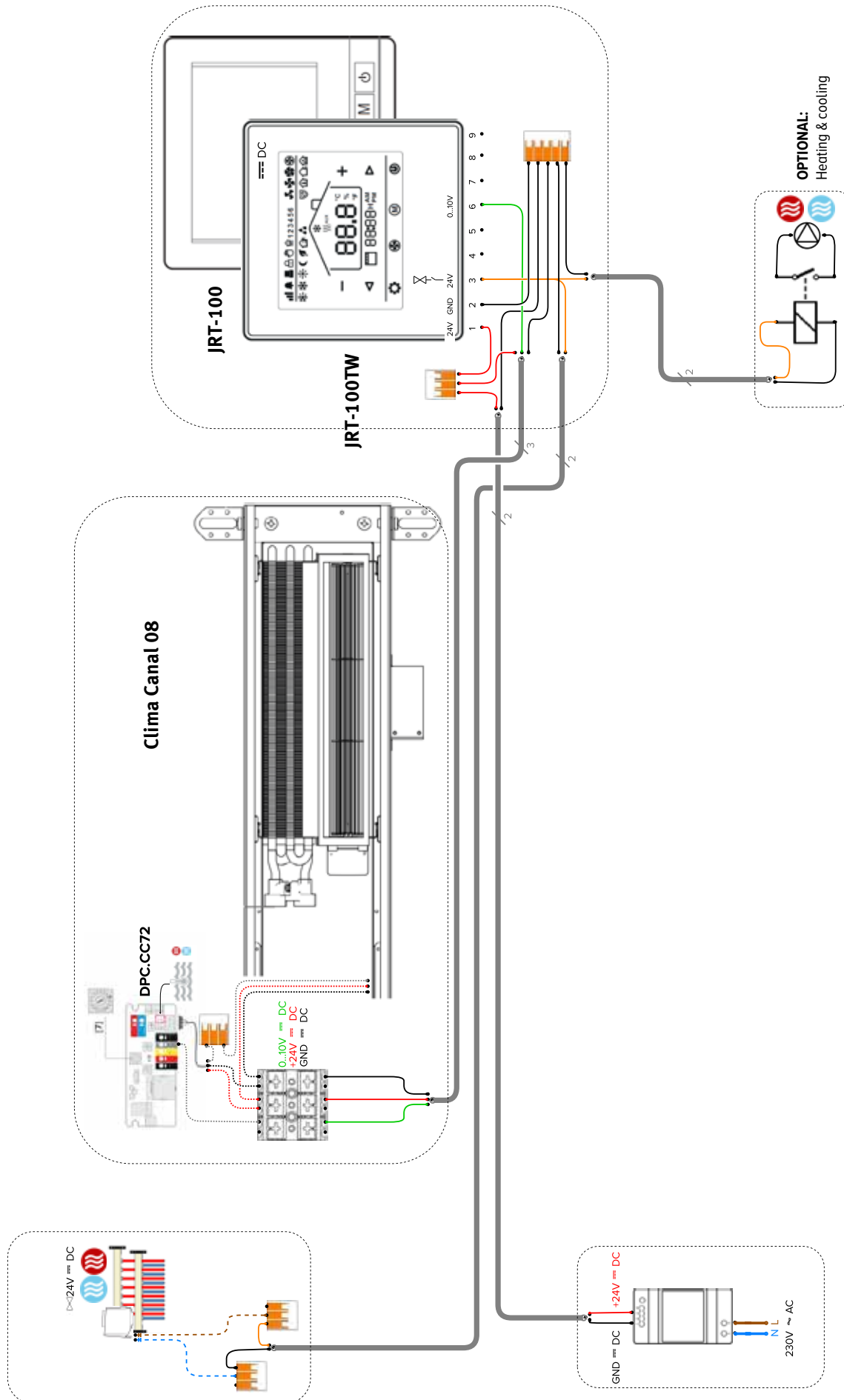
6. UNITS / ZONE

Option 1: one unit

Option 2: multiple units

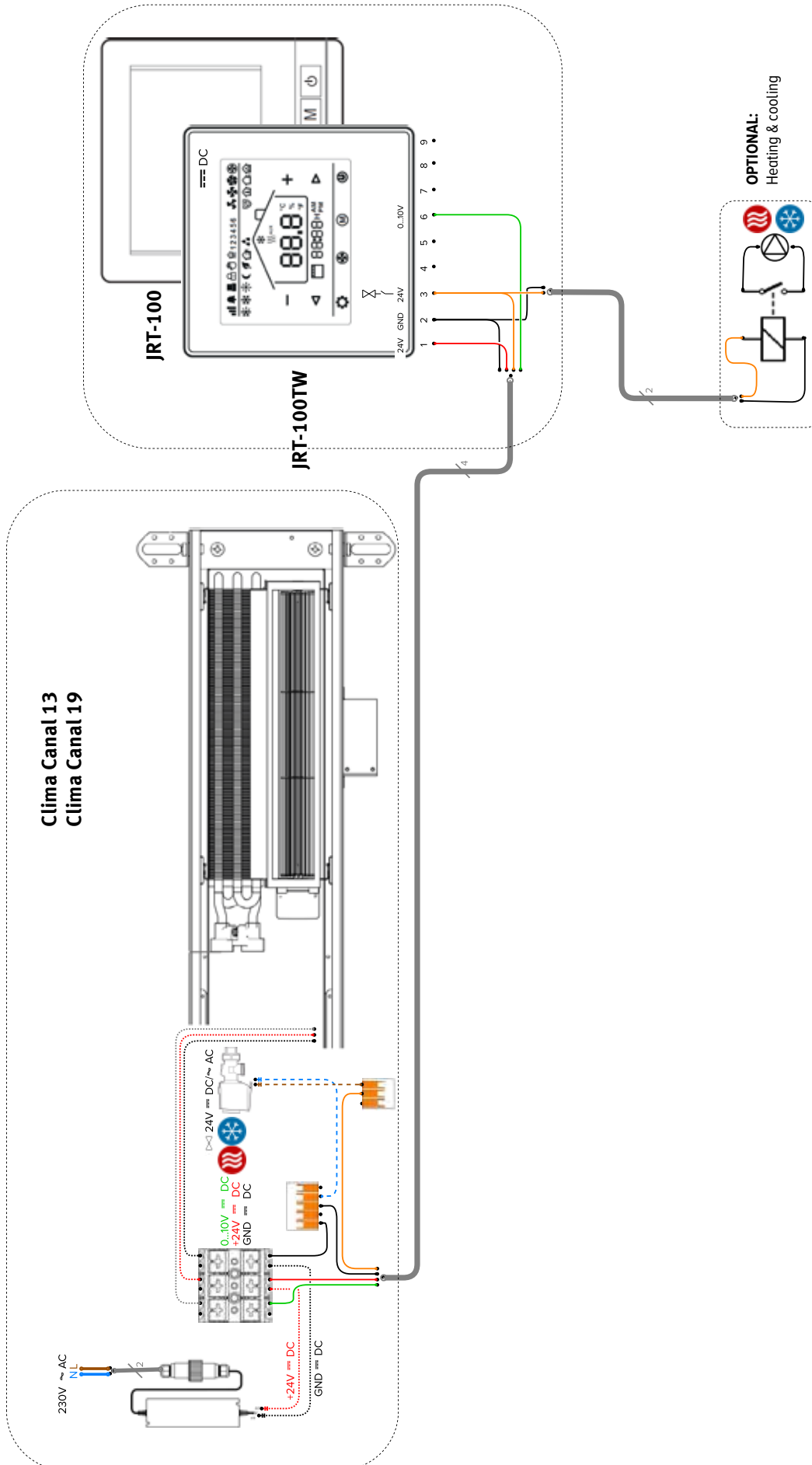
SAMPLE DIAGRAM 1: CLIMA CANAL

power supply DIN-rail assembly - thermostatic valve outside the unit -
 JDPC - JRT100 & JRT 100TW - 2-pipe - temperature monitoring - 1 unit per area



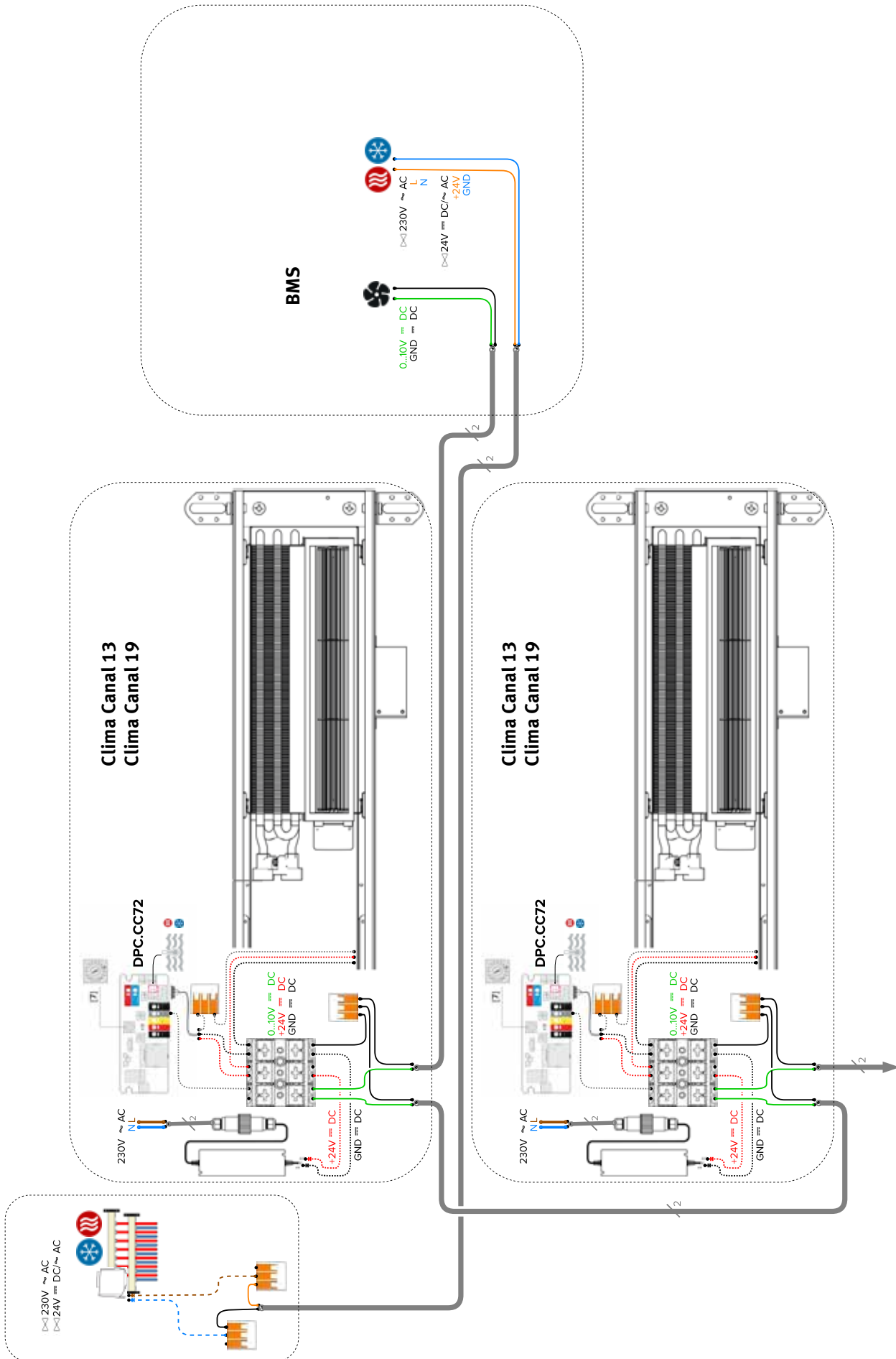
SAMPLE DIAGRAM 2: CLIMA CANAL

component power - thermostatic valve inside the unit -
 JRT100 & JRT 100TW - 2-pipe - without temperature monitoring - 1 unit per area



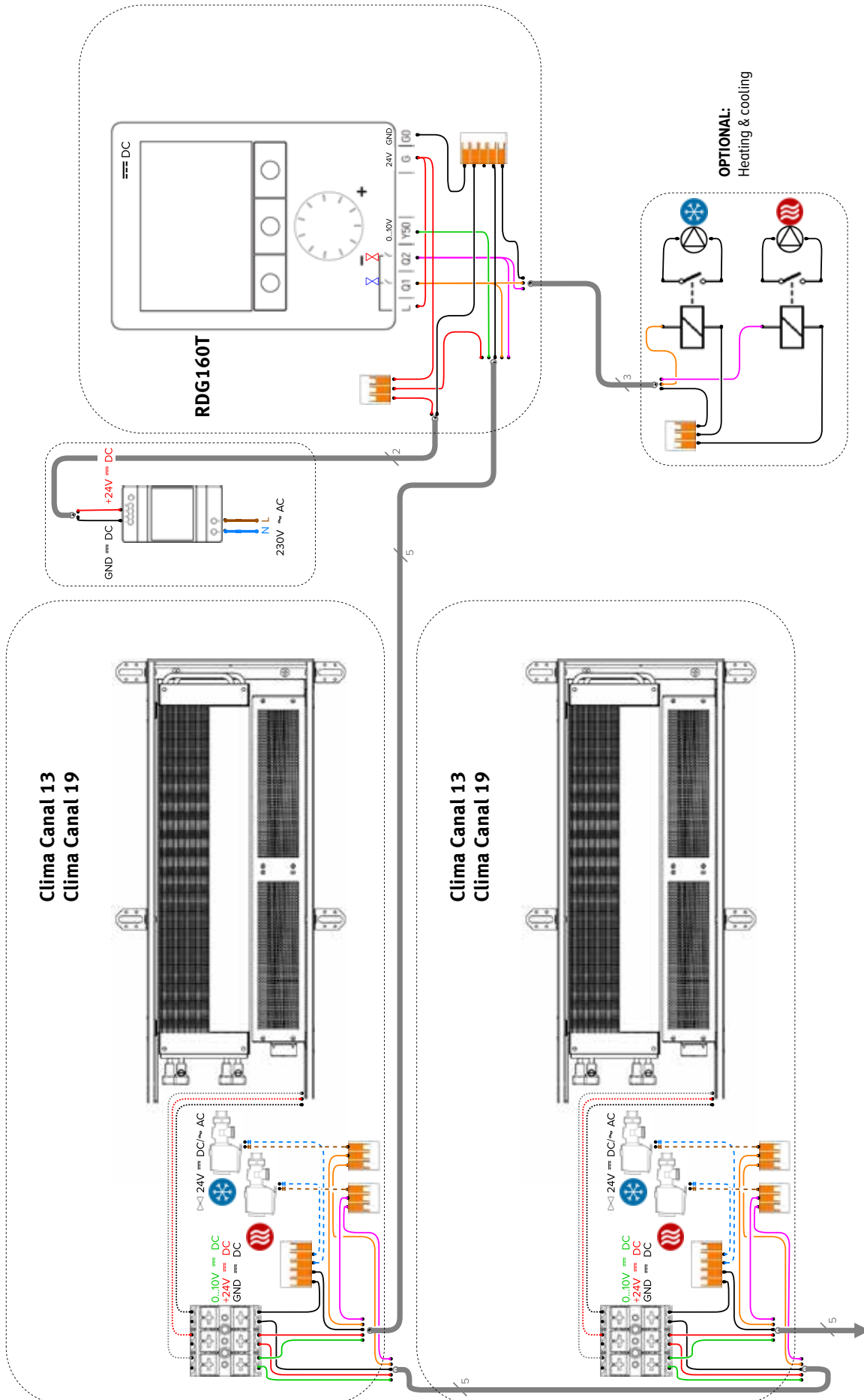
SAMPLE DIAGRAM 3: CLIMA CANAL

component power - thermostatic valve outside the unit - BMS -
2-pipe - temperature monitoring - JDPC - multiple units per area



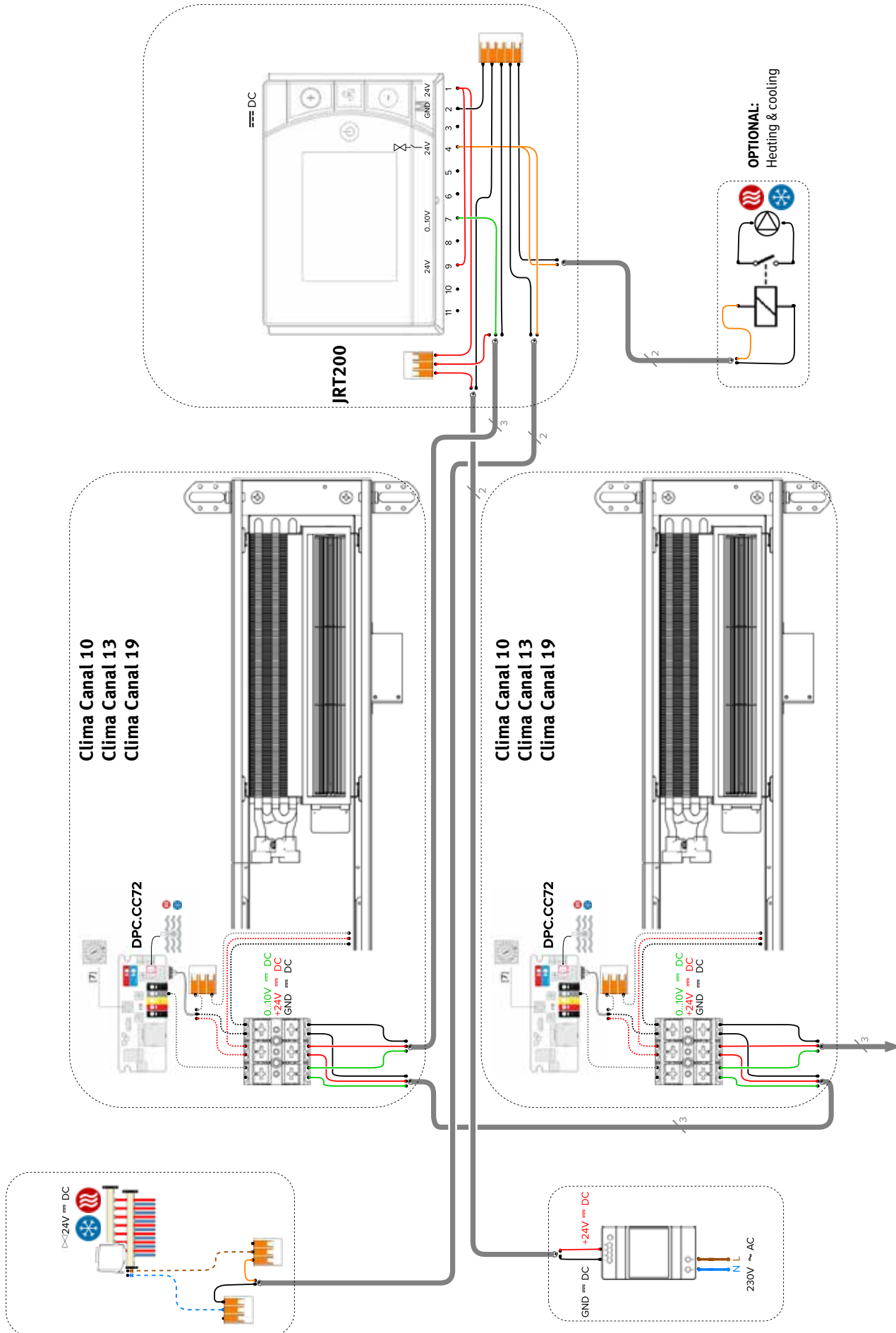
SAMPLE DIAGRAM 4: CLIMA CANAL

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



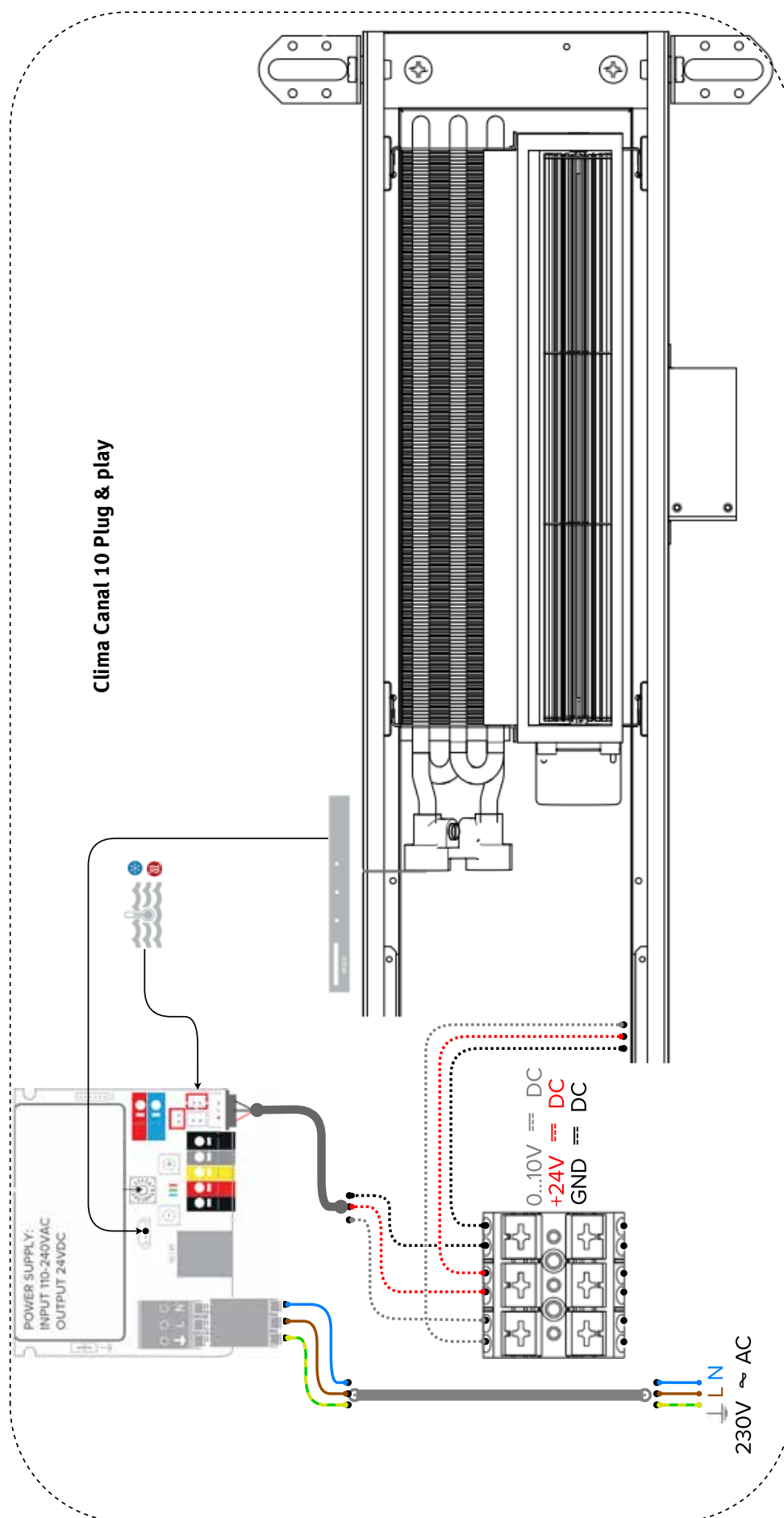
SAMPLE DIAGRAM 5: CLIMA CANAL

power supply DIN-rail assembly - thermostatic valve outside the unit - JRT200 - 2-pipe - temperature monitoring - JDPC - multiple units per area



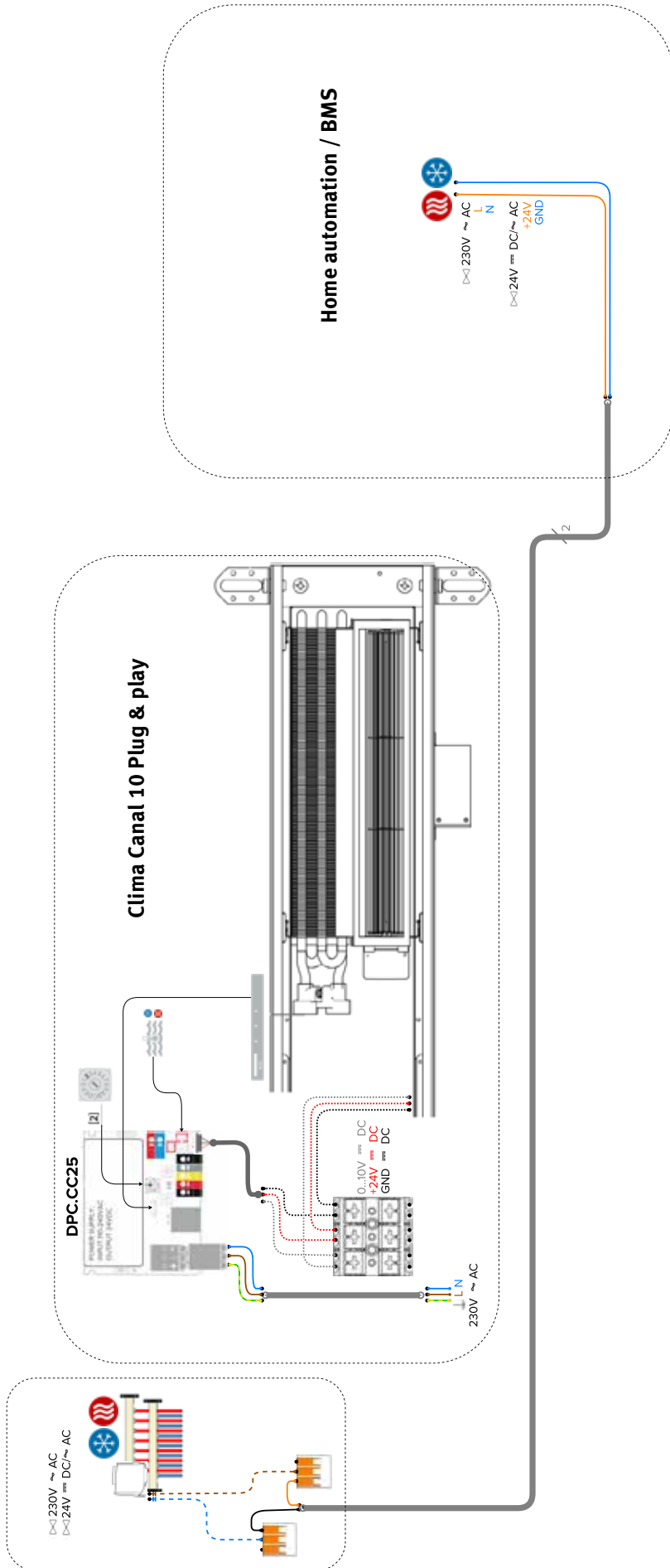
SAMPLE DIAGRAM 6: CLIMA CANAL

thermostatic valve outside the unit - 2-pipe - JDPC - 1 unit per area



SAMPLE DIAGRAM 7: CLIMA CANAL

power supply DIN-rail assembly - thermostatic valve outside the unit - JRT200 - 2-pipe - temperature monitoring - JDPC - multiple units per area



CORRECTION FACTORS

The indicated outputs with ΔT 50 and ΔT 30 are exact values. ΔT 50 output measured in accordance with EN16430 and ΔT 30 output calculated according to EN16430. An average correction factor is applied in this table 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

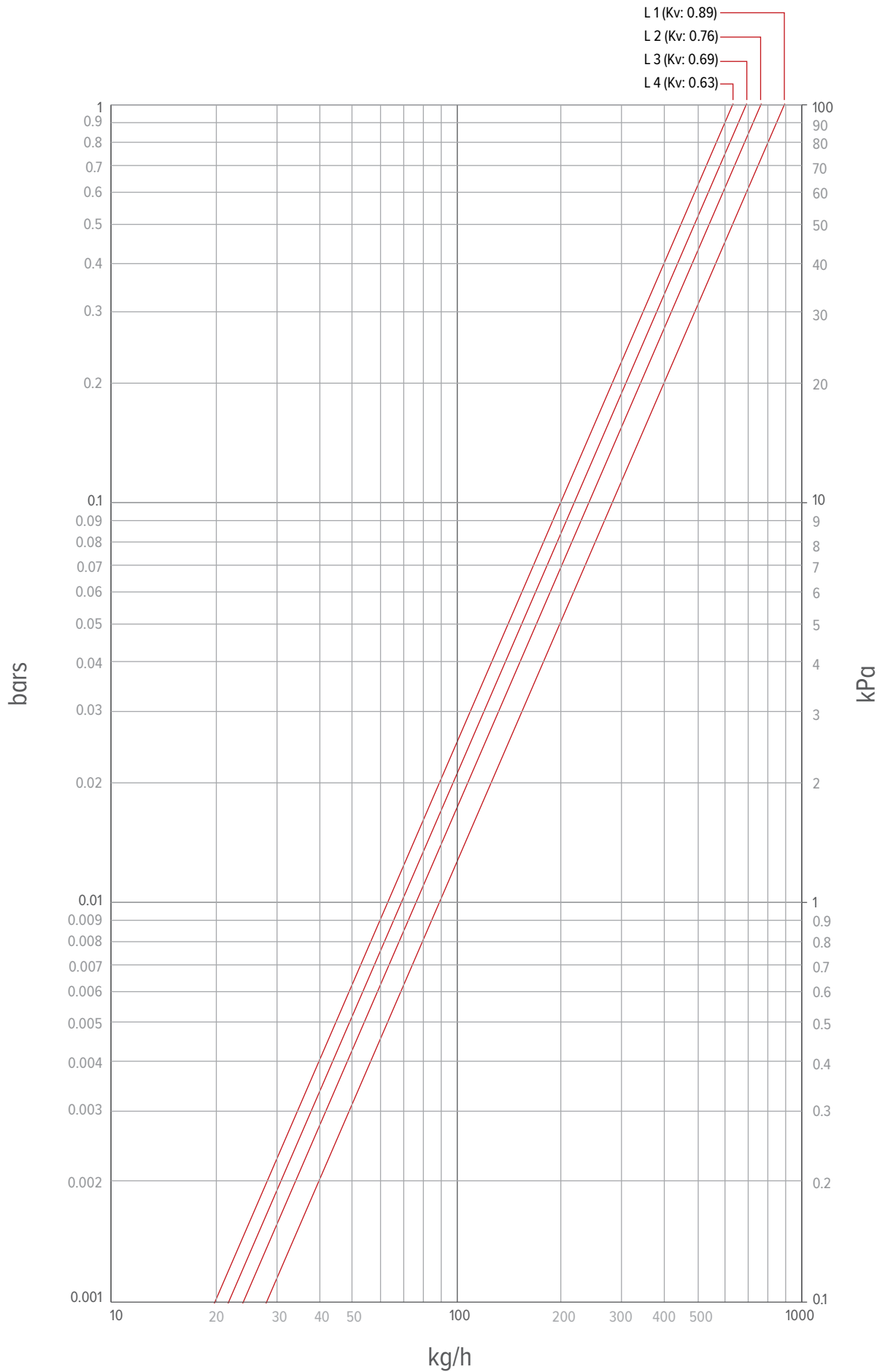
	TR	65	60	55	50	45	40	35	30	25
TA										
75		1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42
70		0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39
65			0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37
60				0.75	0.70	0.64	0.58	0.51	0.43	0.34
55					0.65	0.60	0.54	0.47	0.40	0.31
50						0.55	0.49	0.43	0.37	0.28
45	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

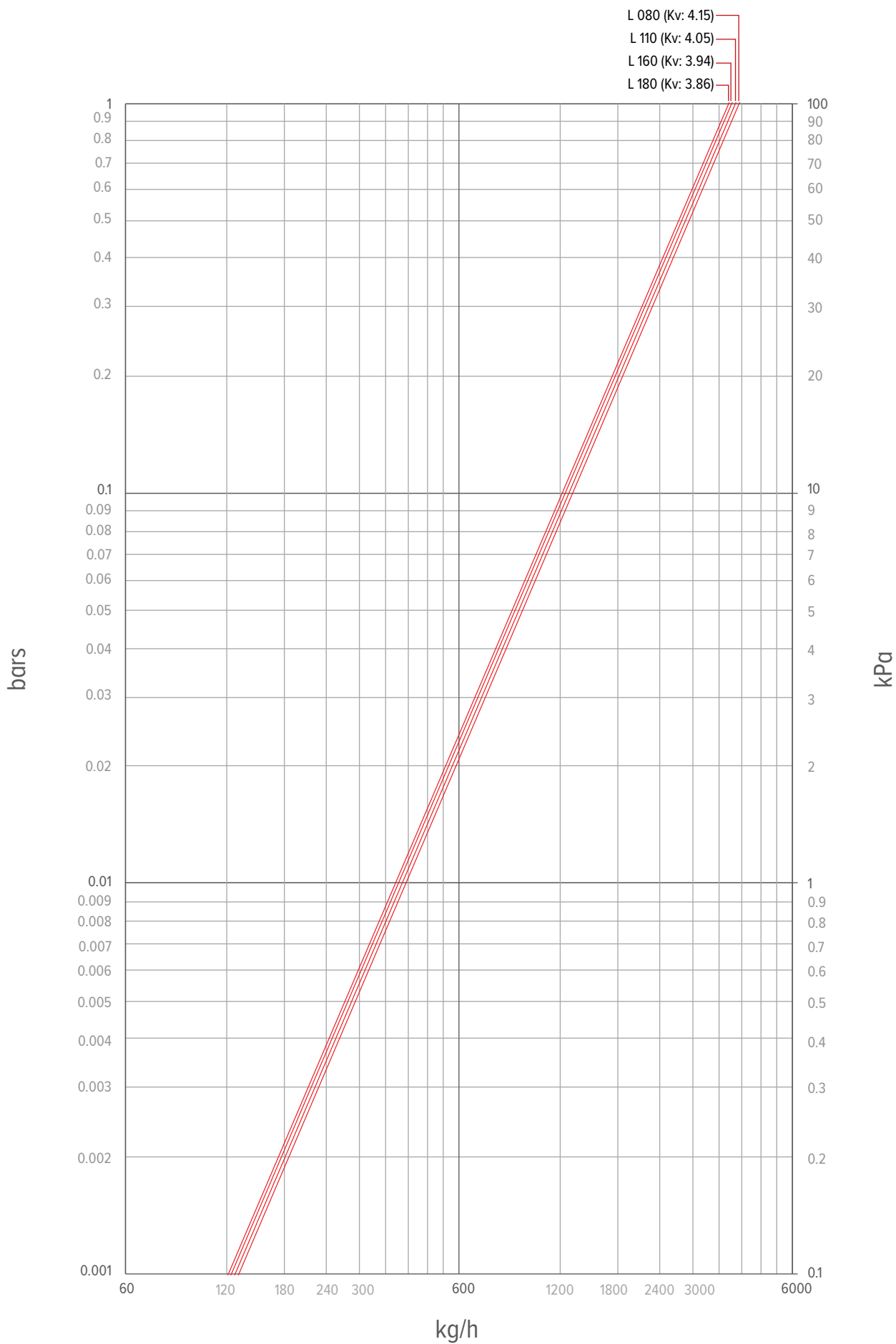
Average N-value: 1.00

	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

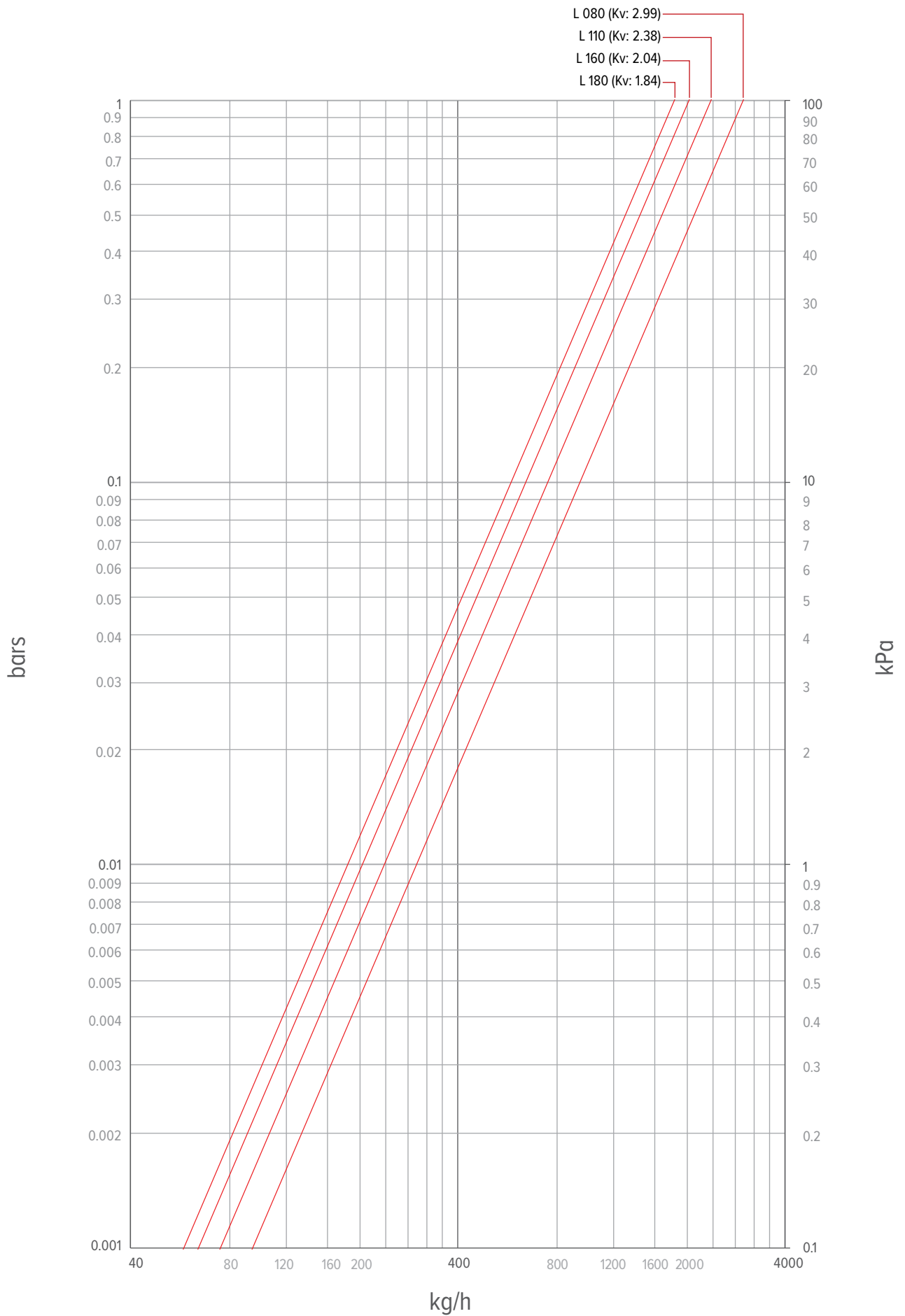
PRESSURE DROP CLIMA CANAL 08, 10 AND 10 PLUG & PLAY



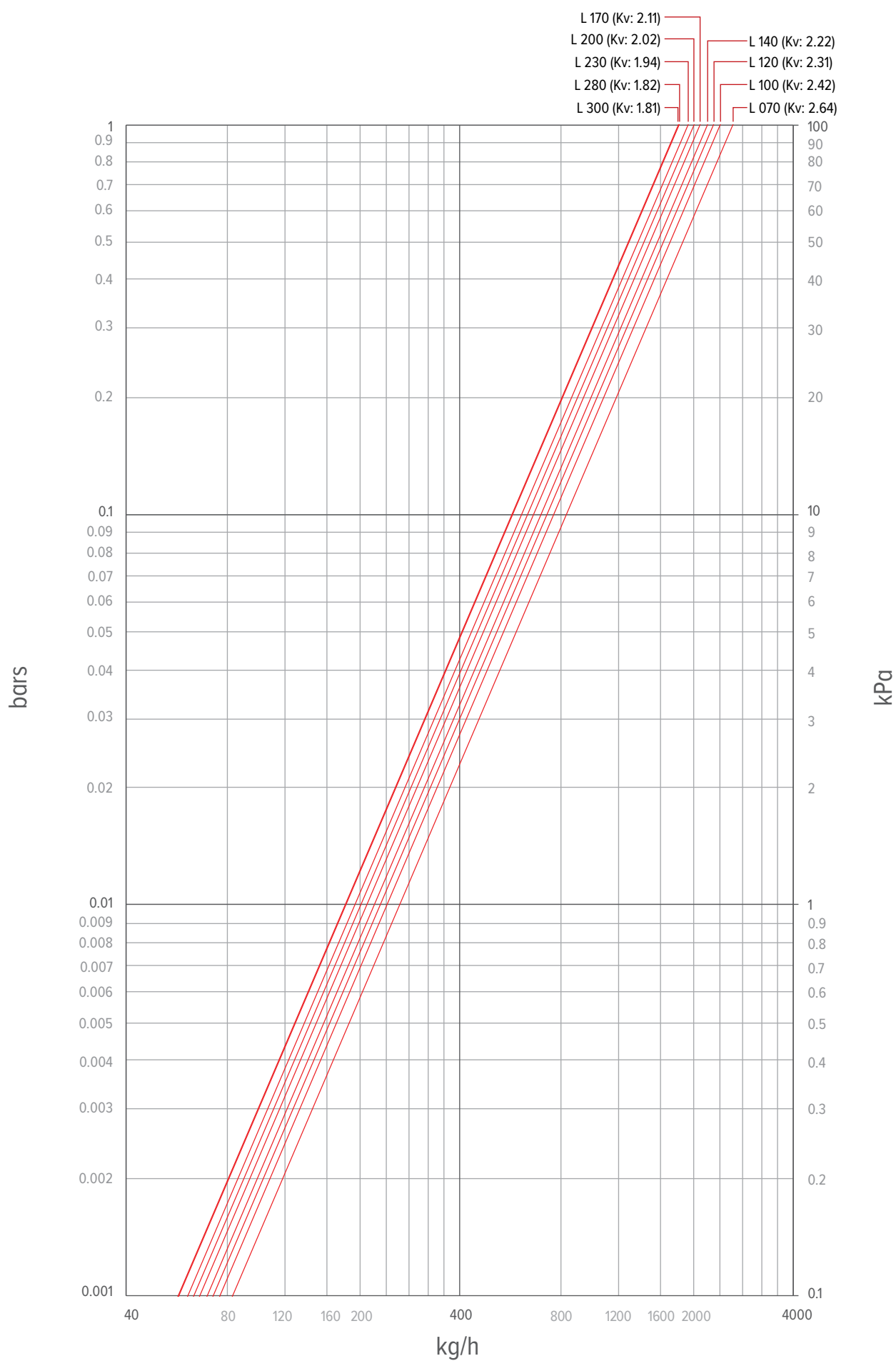
PRESSURE DROP CLIMA CANAL 13 B27 4-PIPE COOLING



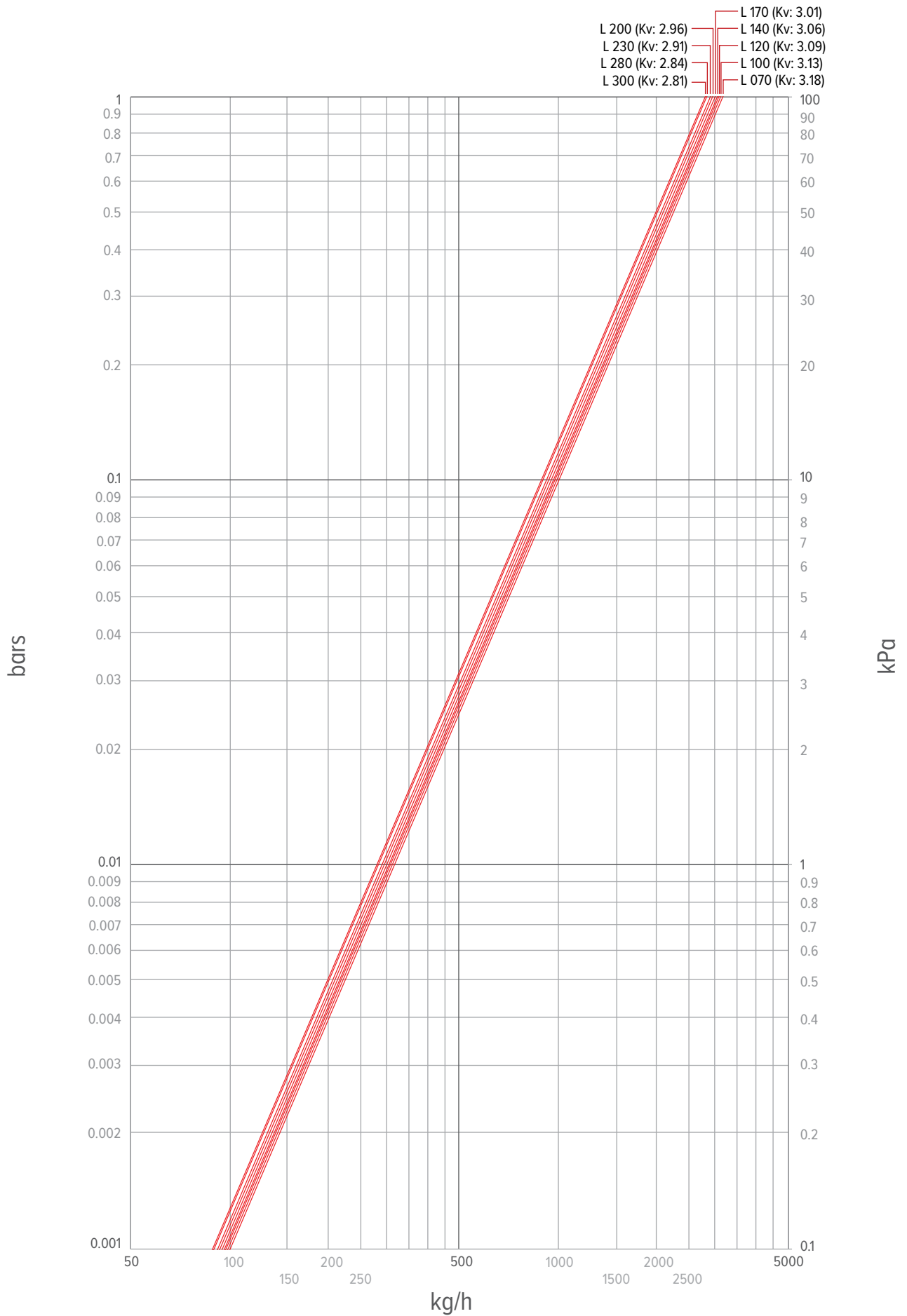
PRESSURE DROP CLIMA CANAL 13 B27 4-PIPE HEATING



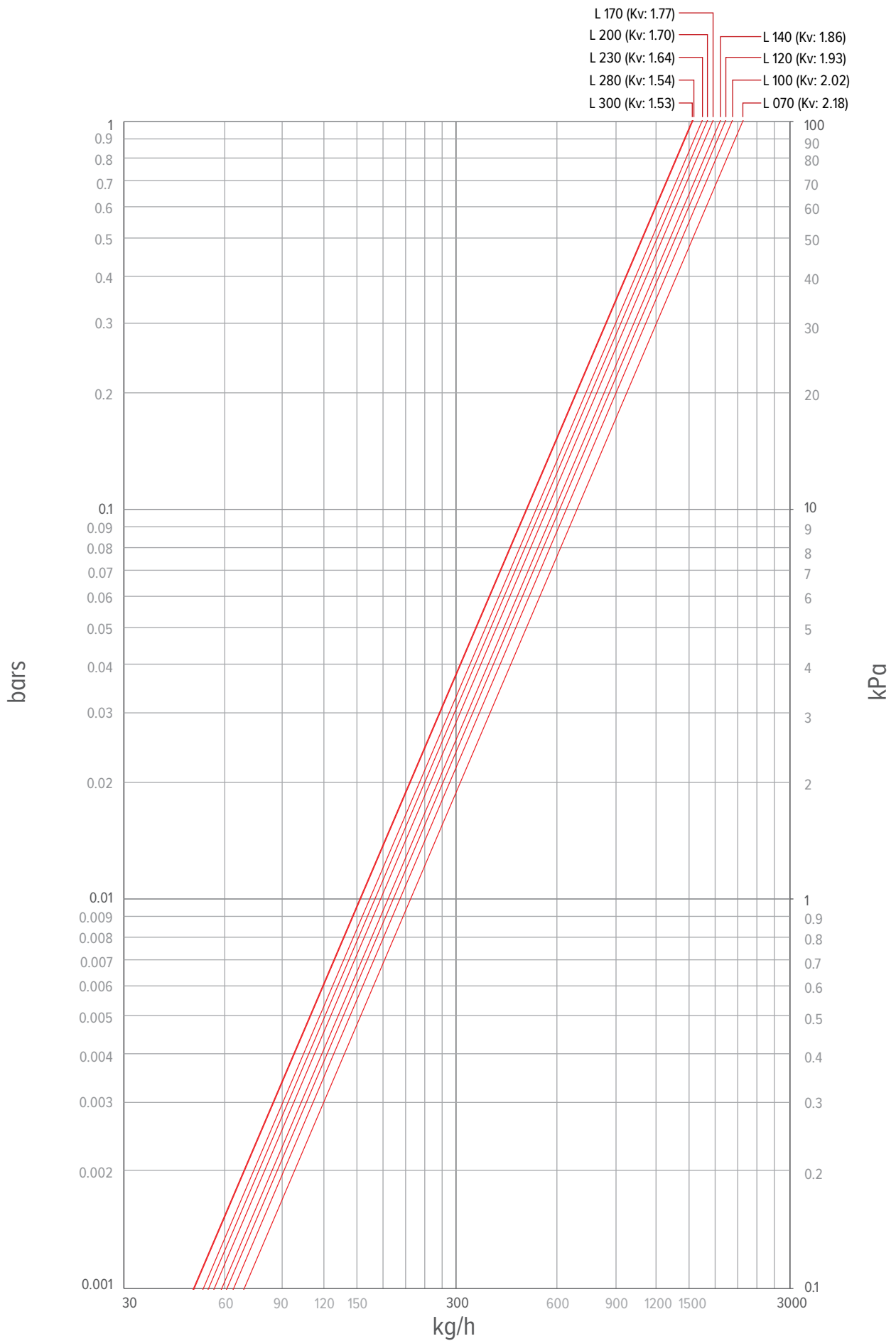
PRESSURE DROP CLIMA CANAL 13 B32 2-PIPE



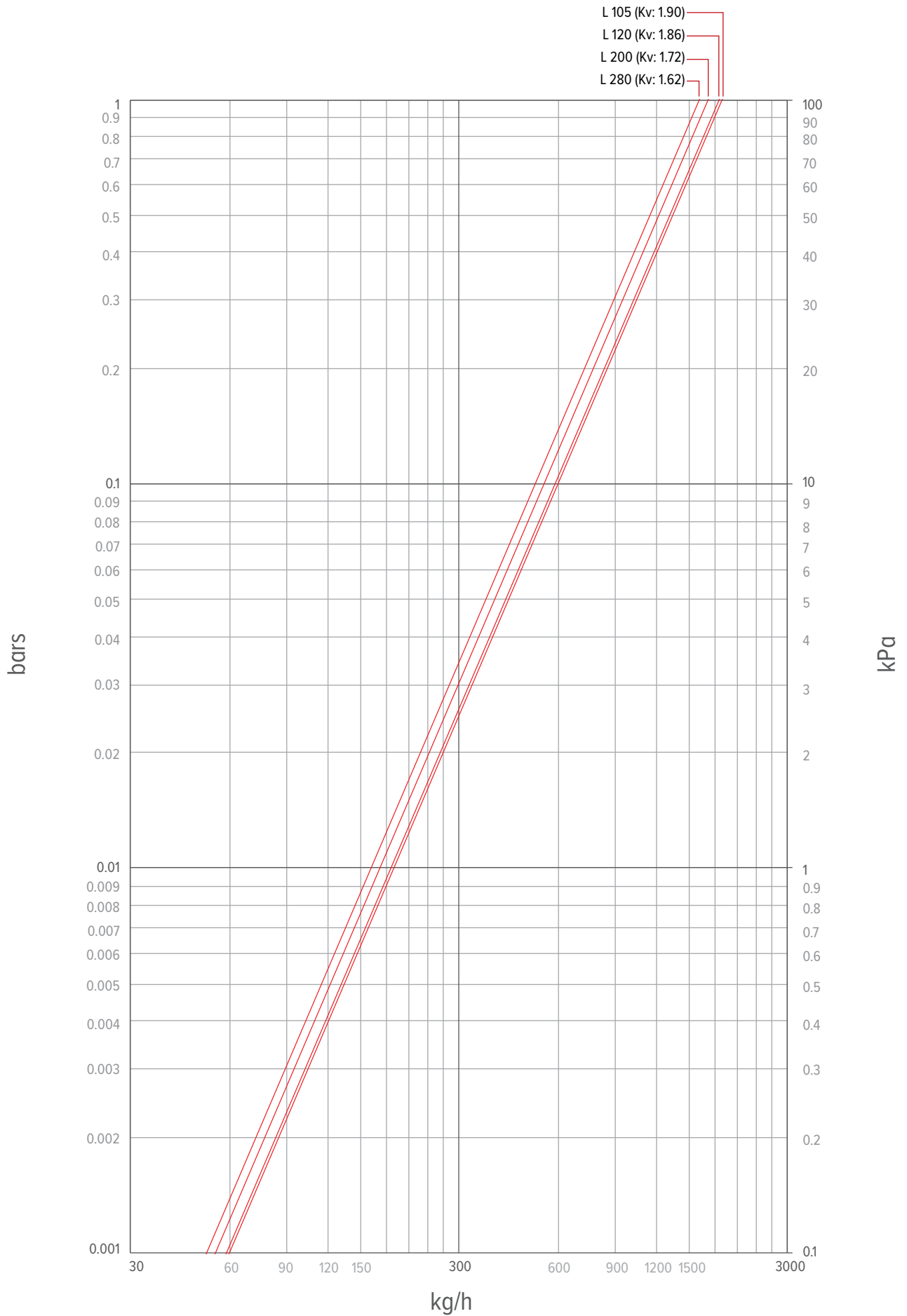
PRESSURE DROP CLIMA CANAL 13 B32 4-PIPE COOLING



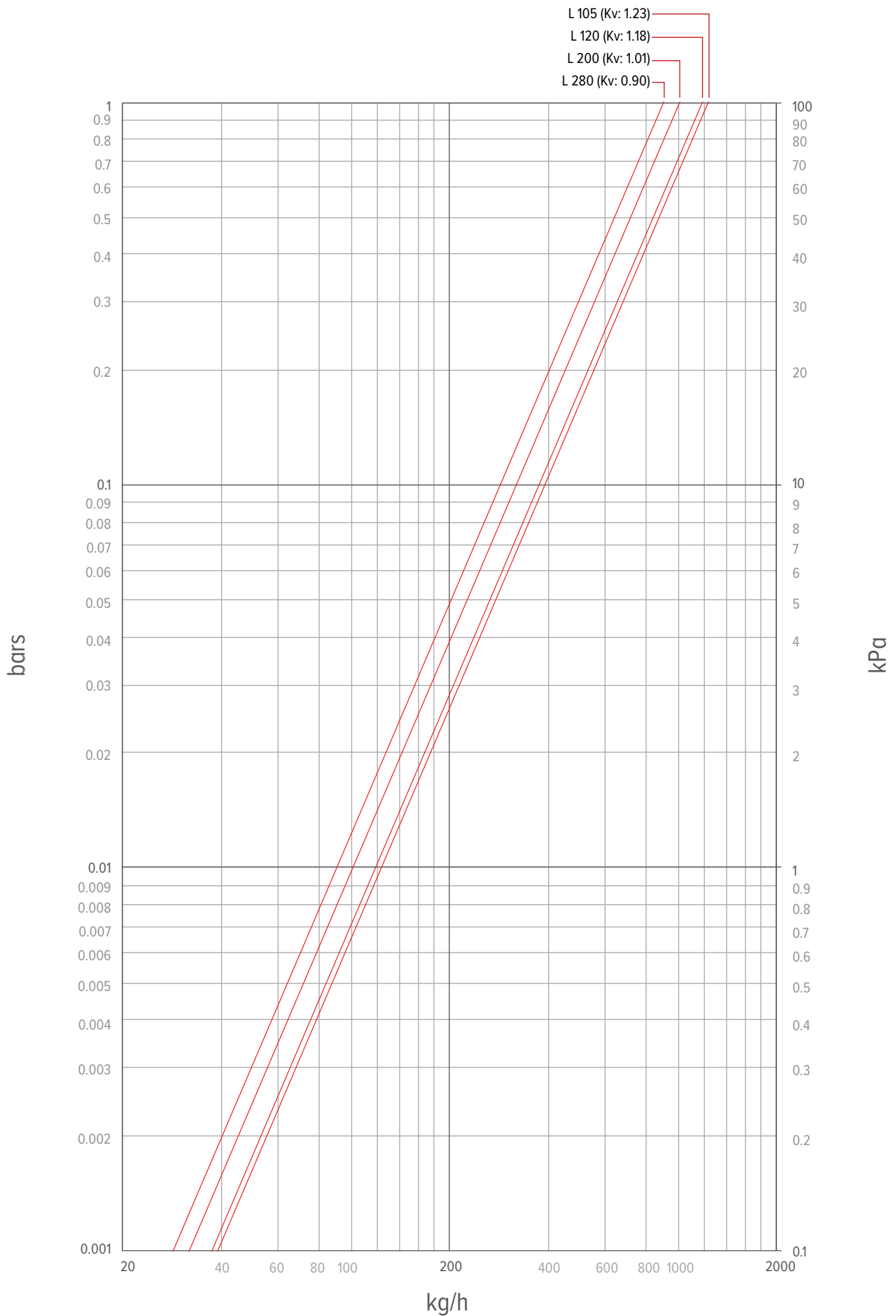
PRESSURE DROP CLIMA CANAL 13 B32 4-PIPE HEATING



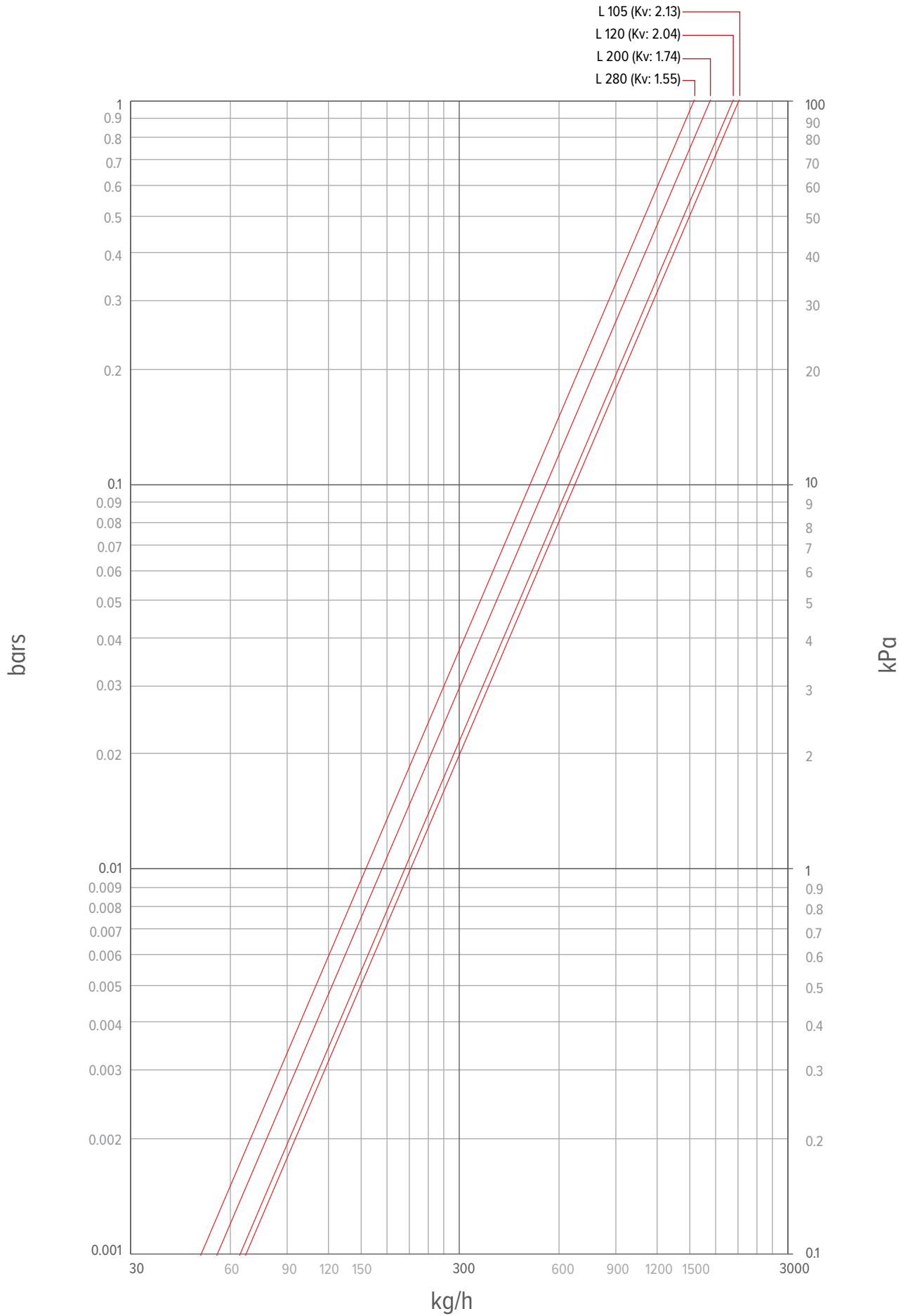
PRESSURE DROP CLIMA CANAL 19 2-PIPE



PRESSURE DROP CLIMA CANAL 19 4-PIPE COOLING



PRESSURE DROP CLIMA CANAL 19 4-PIPE HEATING









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CLIMATE
DESIGNERS

JAGA INTERNATIONAL JAGA NV

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

Verbindingslaan 16
3590 Diepenbeek

+32 (0) 11 29 41 12

export@jaga.be
jaga.com