



jaga



TOP
PERFORMERS

CLIMA CANAL



€ 2019.EX



CLIMA CANAL

Complete climate control and high power

Heating, cooling, ventilation.

Despite its modest size, Clima Canal is a powerful heating, cooling and ventilation unit all in one. Silent and unobtrusive, Clima Canal provides the greatest possible climatic comfort.

Super-compact and silent

This high-tech Low-H₂O heat exchanger with its thermal activator has been specially developed to deliver record output within super-compact dimensions. All this at a very low noise level! In boost mode, for ultra-quick heating or cooling, the output is even higher.

Using the latest EC motors enables Clima Canals to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

Suitable for non-condensing and condensing cooling with chilled water

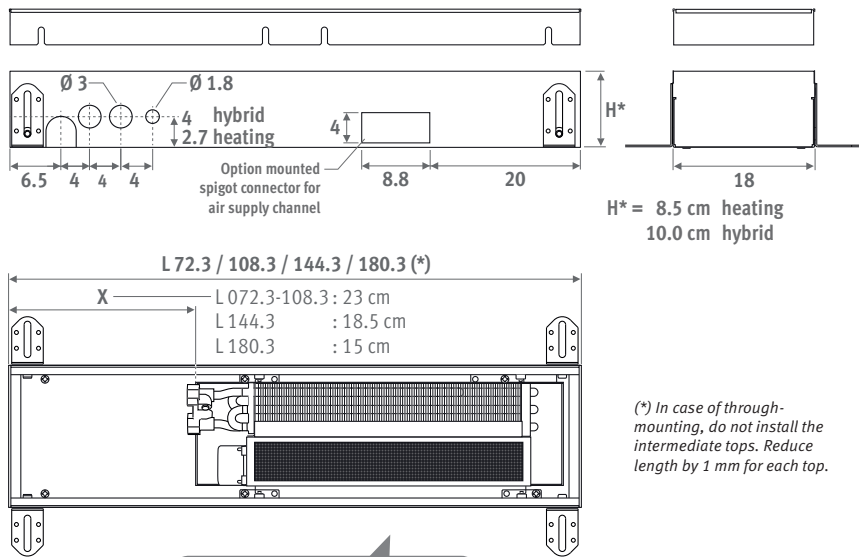




CLIMA CANAL - SUMMARY



DIMENSIONS (in cm)



Building in-opening: +0.5 cm

ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX
fill in grille code ↓				

STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)

With energy efficient EC motor

HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

COMPOSITION

Cover plate

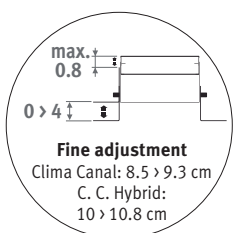
Grille

several styles and colours in anodized aluminium and a range of wood finishes

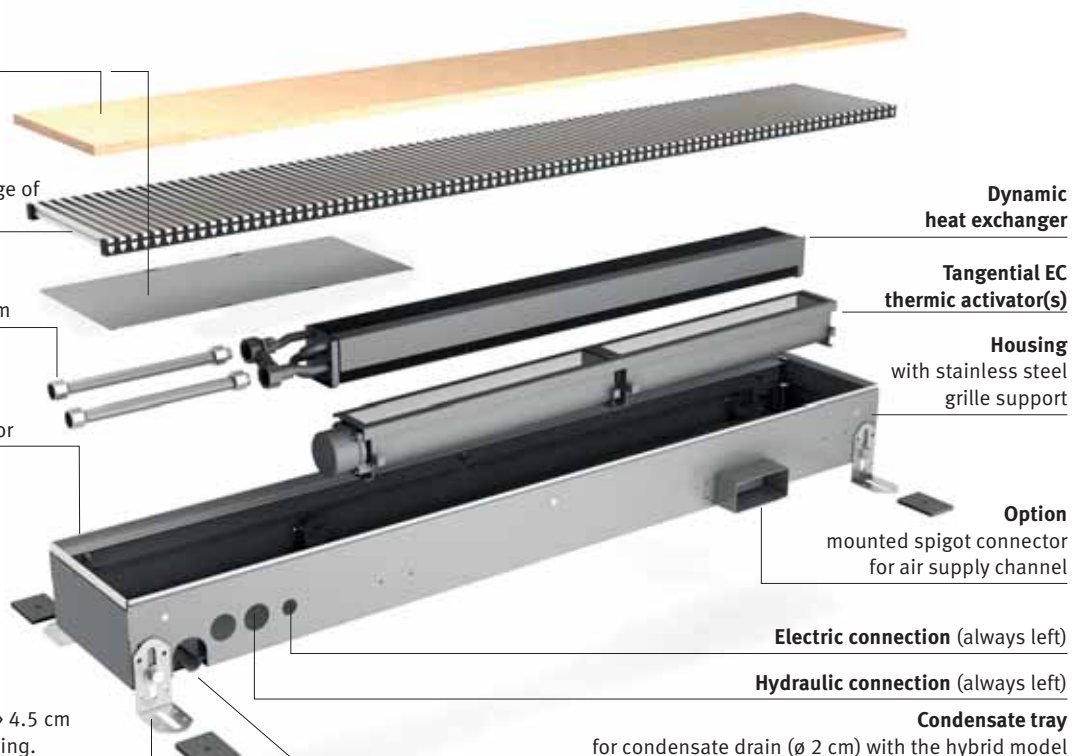
Stainless steel flexible connections 1/2". Length 15 cm

Fine adjustment

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



Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling.



CLIMA CANAL

CLCM.HHH LLL 18/XXX



HEATING										COOLING									
Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30/20°C			Watts total 7/12°C - 27°C D.B. 50% R.H.			Watts sensible 7/12°C - 27°C D.B. 50% R.H.			€ BNA	€ BNC	€ BOV		
max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	BON	BBN	BBV		
H L CLIMA CANAL																			
008	072	1075	891	496	645	534	298	269	223	124	---	---	---	---	---	---	691,00	794,70	760,00
	108	2214	1834	1021	1328	1100	613	553	458	255	---	---	---	---	---	---	944,80	1086,40	1039,20
	144	3479	2881	1605	2087	1729	963	870	720	401	---	---	---	---	---	---	1316,80	1514,30	1448,50
	180	4744	3929	2188	2846	2358	1313	1186	982	547	---	---	---	---	---	---	1494,00	1718,10	1643,40
H L CLIMA CANAL HYBRID																			
010	072	1075	891	496	645	534	298	269	223	124	452	348	147	308	234	96	708,70	814,80	779,50
	108	2214	1834	1021	1328	1100	613	553	458	255	931	717	303	634	481	198	974,30	1120,50	1071,70
	144	3479	2881	1605	2087	1729	963	870	720	401	1463	1127	476	996	757	311	1358,20	1561,90	1494,00
	180	4744	3929	2188	2846	2358	1313	1186	982	547	1995	1537	650	1358	1032	424	1535,20	1765,60	1688,80

Tested at HLK Stuttgart according to new standard EN 16430:2015

TECHNICAL DATA

			FAN			SOUND PRESSURE**			POWER CONSUMPTION			AIR FLOW			WATER FLOW			
			Number			dB(A)			Watts			m³/h			l/h			
			max.*			med.*			min.*			max.*			heating		cooling	
H	L	B																
008/010	072	18	1	34	28	15	3.1	2.1	0.7	70	63	37	93	78				
	108		1	37	32	19	5.3	3.5	1.2	142	129	75	191	161				
	144		2	39	35	20	8.6	6.1	2.2	213	191	113	300	252				
	180		2	41	37	22	11.5	7.9	2.7	284	256	150	409	344				

** Noise measurement according to ISO 3741:2010 with an assumed room attenuation of 8 dB(A) / room volume 75 m³ / reverberation time 0.5 sec.

* max. 10 VDC / med. 8 VDC / min. 4 VDC

Correction factors & pressure drop: see "Technical info" chapter

OVERVIEW GRILLES

Wooden grilles



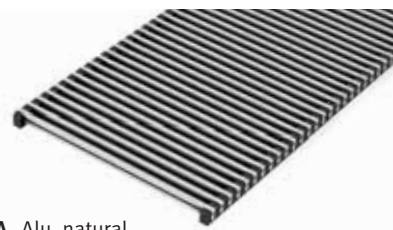
BON Oak
BOV Oak varnished



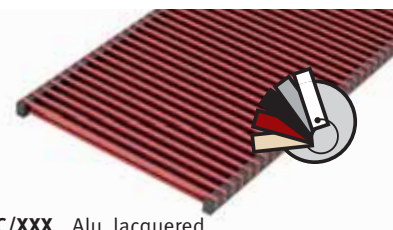
BBN Beech
BBV Beech varnished



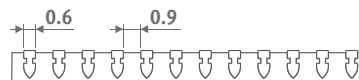
Aluminium grilles



BNA Alu. natural



BNC/XXX Alu. lacquered



Fully removable internal mechanism for easy cleaning.

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..) and special colours 006, 005, 026, 028.

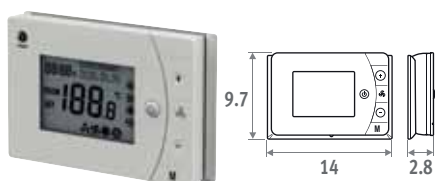
CLIMA CANAL - OPTIONS

CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009

- automatic thermostat for 2-pipe: heating/cooling or auto
- ventilator speed: min./med./max. or auto
- power supply 24 VDC
- output control(s) 0-10 VDC
- 1 clock thermostat per room
- programmable zones
- LCD display with background lighting
- protection category IP30

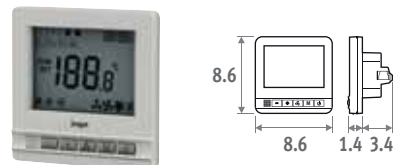
Jaga clock thermostat for wall mounting



- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

CODE		€
8751.050013	wall mounted	76,30

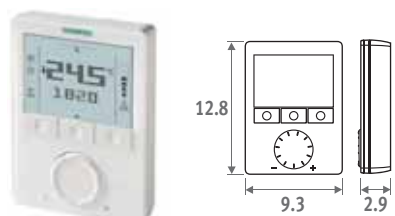
Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
 - spacing holes at 6 cm
 - minimum depth 4.5 cm
 - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	80,90

Siemens clock thermostat for wall mounting



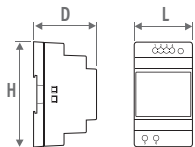
- unlimited adjustment possibilities: 74 features and diagnostic test
- For more information contact Jaga:
 - ☎ +32 11 29 41 12 - ✉ export@jaga.be
 - or your local dealer

CODE		€
8751.050009	wall mounted	239,60

POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.053	12.5	12.6	8.3

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	36,90
7990.055	60	2.5	49,80
7990.056	92	3.9	71,80
7990.053	240	10	157,50

Required power = sum of the power consumption of the devices

MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/clima-canal>

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	output Watts	Output current A	€
37603.010002	30	1.25	71,80

PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- ventilator settings:
 - o standby
 - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
 - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga

☎ +32 11 29 41 12 - ✉ export@jaga.be or your local dealer.

CODE		€
DPC.CC24	Heating	74,00
DPC.CC25	Heating and cooling	79,00



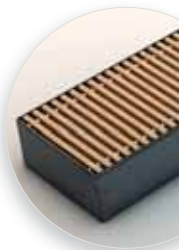
Touch operation

Product controller

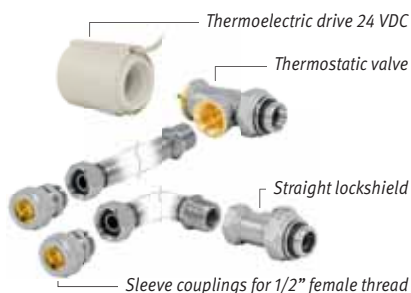
RECOMMENDED COMBINATIONS

	Heating and/or cooling	
	Including thermostat for readjustment	Excluding thermostat
Product	Clima Canal	Clima Canal
Regulation	Thermostat heating / cooling Ordering code 8751.050009	Pre-mounted JDPC with control panel DPC.CC24 for heating or DPC.CC25 for heating and cooling
Power supply	Power supply: ordering code 37603.010002	Power supply: ordering code 37603.010002
Connection set	Connection set 97 with 24 VDC 0-10V motor CODY.JA4.10.2... <i>fill in sleeve coupling code: see p. 325)</i>	Connection set 99 with 2 lockshields CODY.LOM.00.2... <i>fill in sleeve coupling code: see p. 325)</i>

CLIMA CANAL - OPTIONS



CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermolectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 160

set 97

Kv max. 0.6
TWO PIPE

CODE	Description	Price (€)
CODY.JA4.24.2...	24 VDC	77,70
CODY.JA4.10.2...	0...10 VDC	149,40

set 98

Kv 1.0 - without Pre-setting
TWO PIPE

CODE	Description	Price (€)
CODY.WA4.24.2...	24 VDC	79,80
CODY.WA4.10.2...	0...10 VDC	151,50

fill in sleeve coupling code:
see p. 325

CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 99

CODE	Description	Price (€)
CODY.LOM.00.2...		34,30

fill in sleeve coupling code:
see p. 325

JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V

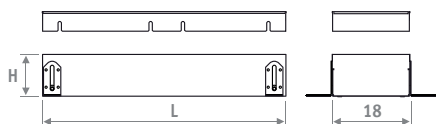


- only for mounting on the distributor, not in the Clima Canal
- with varistor to protect against power surge
- with position indicator (open/closed)

CODE	Description	Price (€)
7990.409	180° - G1/2" F / NG 230V 2Watts	83,30
7990.411	180° - G3/4" F / NG 230V 2Watts	94,00

EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment:
Clima Canal 8.5 > 13.3 cm
Clima Canal Hybrid 9.8 > 14.6 cm
- fine adjustment for alignment with the finished floor
- cover plate

empty housing Clima Canal

H	L	ORDERING CODE		
		code CLCD.	height 008	length 072
008	072	BNA	BNC/XXX	BOV
	108	BON		BBV
	144	BBN		
	180			
	072	383,80	441,50	422,20
	108	590,40	679,00	649,60
	144	679,00	780,90	747,00
	180	767,60	882,80	844,40

empty housing Clima Canal Hybrid

H	L	ORDERING CODE		
		code CLCD.	height 010	length 072
010	072	BNA	BNC/XXX	BOV
	108	BON		BBV
	144	BBN		
	180			
	072	383,80	441,50	422,20
	108	590,40	679,00	649,60
	144	679,00	780,90	747,00
	180	767,60	882,80	844,40

MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 x length 9 cm



CODE	Price (€)
/VEN	59,90

Add /VEN to the code of Clima Canal.
Example: CLCM. 008 072 18 /XXX /VEN

CORNER PIECE



- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment:
Clima Canal 8.5 > 13.3 cm
Clima Canal Hybrid 9.8 > 14.6 cm
- fine adjustment for alignment with the finished floor

Corner piece Clima Canal

CODE		Price (€)
CLCD.008 025 18/BNA	Alu. natural	506,70
CLCD.008 025 18/BNC/ ...	Alu. lacquered	628,80

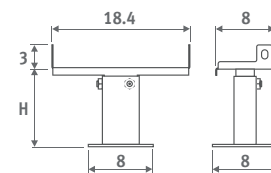
enter colour code

Corner piece Clima Canal Hybrid

CODE		Price (€)
CLCD.010 025 18/BNA	Alu. natural	506,70
CLCD.010 025 18/BNC/ ...	Alu. lacquered	628,80

enter colour code

FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS

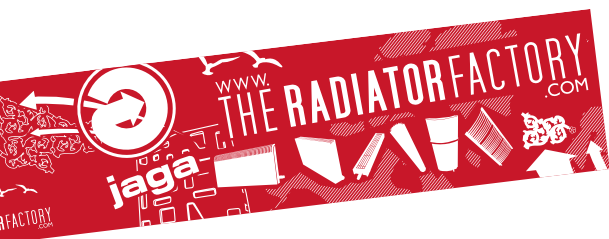


- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Clima Canal

L 72 = 1 set
L 120 = 1 set
L 150 = 2 sets
L 180 = 2 sets

CODE	H	Price (€/set)
5209.05070000	5 > 7 cm	54,50
5209.08130000	8 > 13 cm	54,50
5209.13230000	13 > 23 cm	57,70
5209.20300000	20 > 30 cm	58,80



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