



**jaga**



TOP  
PERFORMERS

**CLIMA CANAL**



€ 2016-2017.EX



TOP PERFORMERS

jagaHybridHeating

# 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-H<sub>2</sub>O 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



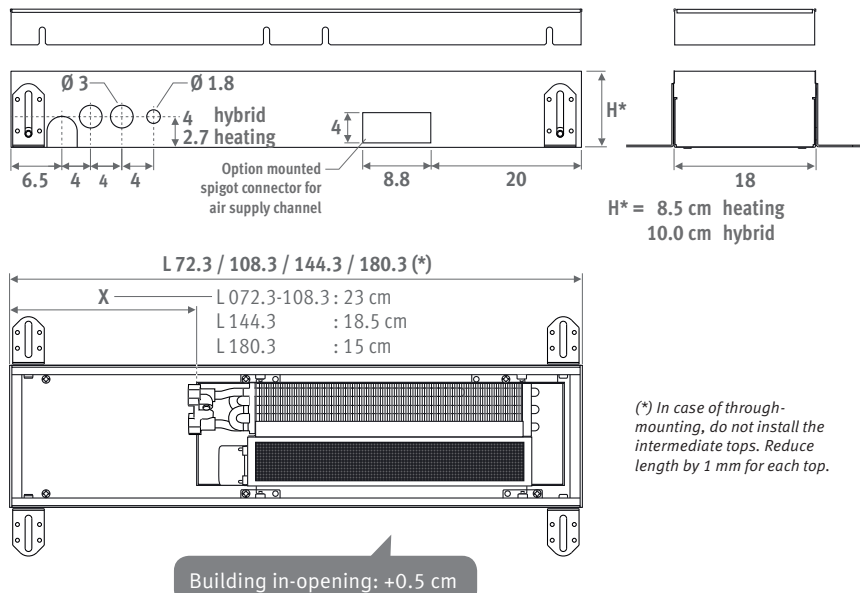




# CLIMA CANAL - SUMMARY



## DIMENSIONS (in cm)



## ORDERING CODE

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

## 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 to 25 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

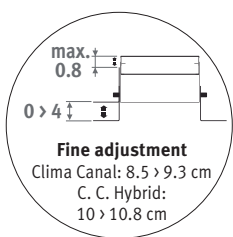
## COMPOSITION

### Cover plate

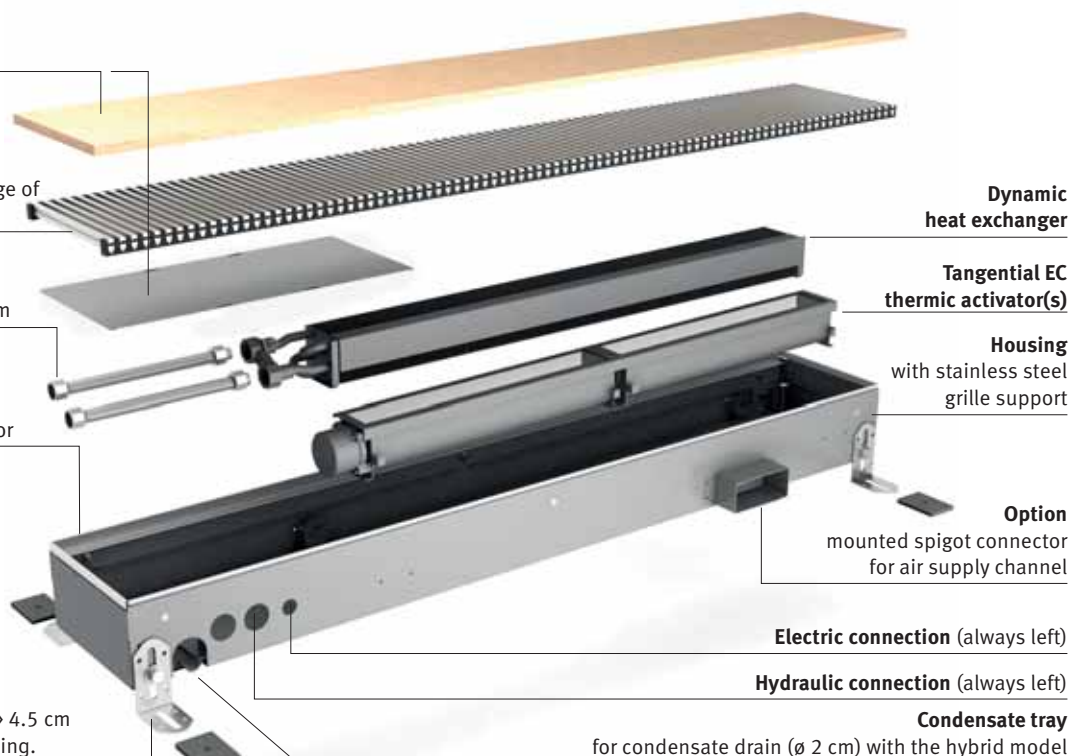
**Grille**  
several styles and colours in anodized aluminium and a range of wood finishes

**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 - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.			€ BNA BON BBN	€ BNC	€ BOV BBV		
max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.					
<b>H L CLIMA CANAL</b>																			
008	072	945	903	517	563	546	310	234	228	129	---	---	---	---	---	645,00	741,80	709,50	
	108	2075	2009	1137	1238	1201	682	514	501	284	---	---	---	---	---	882,00	1014,20	970,10	
	144	3011	2912	1654	1798	1744	992	747	728	413	---	---	---	---	---	1229,30	1413,70	1352,20	
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	---	---	---	---	---	1394,70	1603,90	1534,20	
<b>H L CLIMA CANAL HYBRID</b>																			
010	072	945	903	517	563	546	310	234	228	129	284	273	110	213	205	83	661,60	760,70	727,70
	108	2075	2009	1137	1238	1201	682	514	501	284	576	545	219	433	410	165	909,50	1046,00	1000,50
	144	3011	2912	1654	1798	1744	992	747	728	413	849	818	330	638	615	248	1268,00	1458,10	1394,70
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	1152	1090	440	866	820	330	1433,20	1648,30	1576,50

EN442 output at 20°C room temperature

## TECHNICAL DATA

			FAN		SOUND PRESSURE**			POWER CONSUMPTION			AIR FLOW			WATER FLOW	
			Number		dB(A)			Watts			m³/h			l/h	
					max.* med.* min.*			max.* med.* min.*			max.* med.* min.*			heating cooling	
H	L	B													
008/010	072	18	1		34	29	19	3.1	1.7	0.9	70	59	40	78	47
	108		1		37	32	20	5.3	2.9	1.4	142	119	83	175	94
	144		2		39	34	22	8.6	4.8	2.4	213	178	123	250	140
	180		2		40	35	23	11.5	6.2	2.9	284	238	165	345	187

\*\* With an assumed room attenuation of 8 dB(A) / content of the room 75 m³ / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.

\* max. 10 VDC / med. 7 VDC / min. 4.5 VDC

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

## OVERVIEW GRILLES

### Wooden grilles



**BON** Oak  
**BOV** Oak varnished



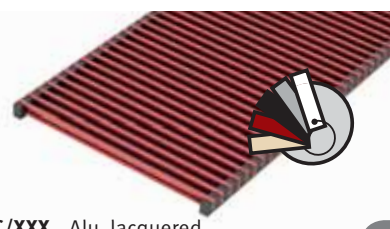
**BBN** Beech  
**BBV** Beech varnished



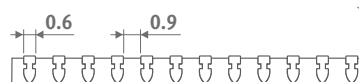
### Aluminium grilles



**BNA** Alu. natural



**BNC/XXX** Alu. lacquered



Complete installation and user manual see:  
<http://www.theradiatorfactory.com>



Fully removable internal mechanism for easy cleaning.

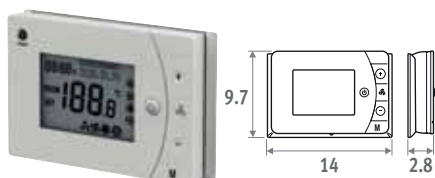
To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

# CLIMA CANAL - OPTIONS

## CLOCK THERMOSTATS HEATING / COOLING

- 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
- 3 programmable zones: 5+1+1
- LCD display with background lighting
- protection category IP30

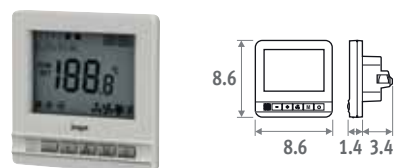
### Jaga clock thermostat for wall mounting



- suitable for use in combination with control for multiple rooms (7990.035)
- 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	71,30

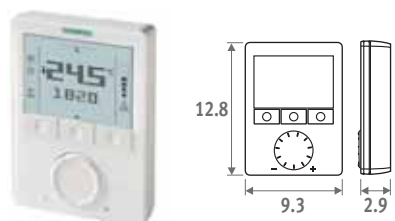
### Jaga clock thermostat for recessed/panel mounting



- DO NOT USE in combination with control for multiple rooms (7990.035)
- 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	75,50

### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- Detailed information: [downloads.theradiatorfactory.com/download-center/general/SiemensRDG160T.zip](http://downloads.theradiatorfactory.com/download-center/general/SiemensRDG160T.zip)

CODE		€
8751.050009	wall mounted	223,70

## CONTROL FOR MULTIPLE ROOMS



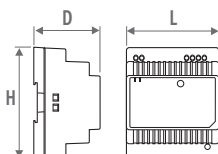
- control for:
  - max. 4 zones
  - heating AND cooling with three-way valves
  - heating OR cooling with one two-way valve per room
  - fans via 0-10 VDC signal
  - only manual speed control of the fan(s) per room by separate rotary knob
- use thermostats fitted with a potential-free contact
- with built-in power supply 24 VDC - 50 watts, use an external power supply when higher output is required (see below)
- contacts by screw connectors
- LED display per area
- din rail mountable
- degree of protection: IP20 - EN 60529

CODE	€
7990.035	471,90

## POWER SUPPLY



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



CODE	H	L	D
7990.050	9.3	7.8	5.6
7990.051	9.3	7.8	5.6
7990.052	9.3	10.0	5.6
7990.053	12.5	12.6	8.3

- for DIN-rail or wall mounting
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

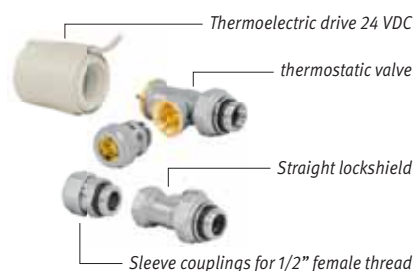
CODE	output Watts	Output current A	€
7990.050	36	1.5	85,20
7990.051	60	2.5	109,10
7990.052	100	4.2	132,70
7990.053	240	10	147,00

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://catalogue.theradiatorfactory.com/ex#clima-canal>

## CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



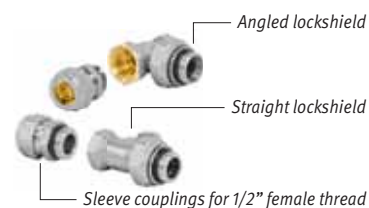
- 24 VDC thermolectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 176

set 97	Kv max. 0.6	TWO PIPE	€
CODY.JA4.24.2...		24 VDC	72,50

set 98	Kv 1.0 - without pre-setting	TWO PIPE	€
CODY.WA4.24.2...		24 VDC	74,50

fill in sleeve coupling code: see p. 340

## CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 99		€
CODY.LOM.00.2...		32,00

fill in sleeve coupling code: see p. 340

## JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V

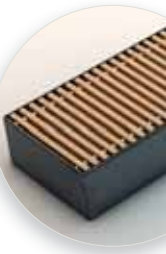


- only for mounting on the distributor, not in the Clima Canal!
- with varistor to protect against power surge
- with position indicator (open/closed)
- sleeve couplings have to be provided by the installer

CODE	Description	€
7990.409	180° - G1/2" F / NG 230V 2Watts	77,80
7990.411	180° - G3/4" F / NG 230V 2Watts	87,80

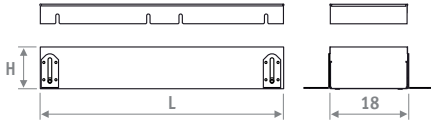


# CLIMA CANAL - OPTIONS



## 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

		code	height	length	width	grille
ORDERING CODE		CLCD.	008	072	18	BNA
H	L		BNA	BNC/XXX		BOV
			BON			BBV
			BBN			
008	072		358,30	412,10		394,20
	108		551,20	633,90		606,40
	144		633,90	729,00		697,40
	180		716,60	824,10		788,30

### Empty housing Clima Canal Hybrid

		code	height	length	width	grille
ORDERING CODE		CLCD.	010	072	18	BNA
H	L		BNA	BNC/XXX		BOV
			BON			BBV
			BBN			
010	072		358,30	412,10		394,20
	108		551,20	633,90		606,40
	144		633,90	729,00		697,40
	180		716,60	824,10		788,30

## MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 cm x length 9 cm



CODE	€
/VEN	55,90

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		€
CLCD.008 025 18/BNA	Alu. natural	473,00
CLCD.008 025 18/BNC/ ...	Alu. lacquered	587,00

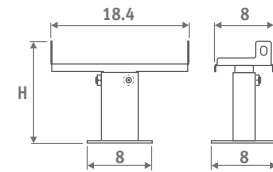
*fill in colour code*

### Corner piece Clima Canal Hybrid

CODE		€
CLCD.010 025 18/BNA	Alu. natural	473,00
CLCD.010 025 18/BNC/ ...	Alu. lacquered	587,00

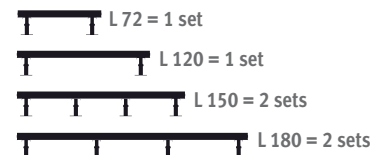
*fill in colour code*

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS

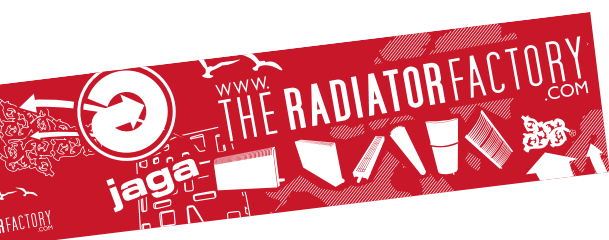


- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

### Number of sets per Clima Canal



CODE	H	€/set
5209.05070000	5 > 7 cm	50,90
5209.08130000	8 > 13 cm	50,90
5209.13230000	13 > 23 cm	53,90
5209.20300000	20 > 30 cm	54,90



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All prices in Euro, exclude VAT. Prices valid from 1st August 2016.  
Replaces all existing price lists.