



jaga

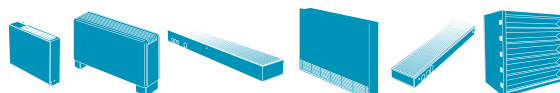
«Студия Тепловых Решений»
С 01.01.2013

1. Цены на приборы умножить на коэффициент 1,1
2. Цены на арматуру умножить на коэффициент 1,45

CLIMA CANAL

TOP
PERFORMERS

BROCHURE € 2012-2013.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-H₂O heat exchanger with its thermal activator has been specially developed to deliver record output within super-compact dimensions. All this at an inaudible noise level of less than 29 dbA! 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, and enables remote control using the latest home automation and building management systems.

Suitable for non-condensing and condensing cooling with chilled water

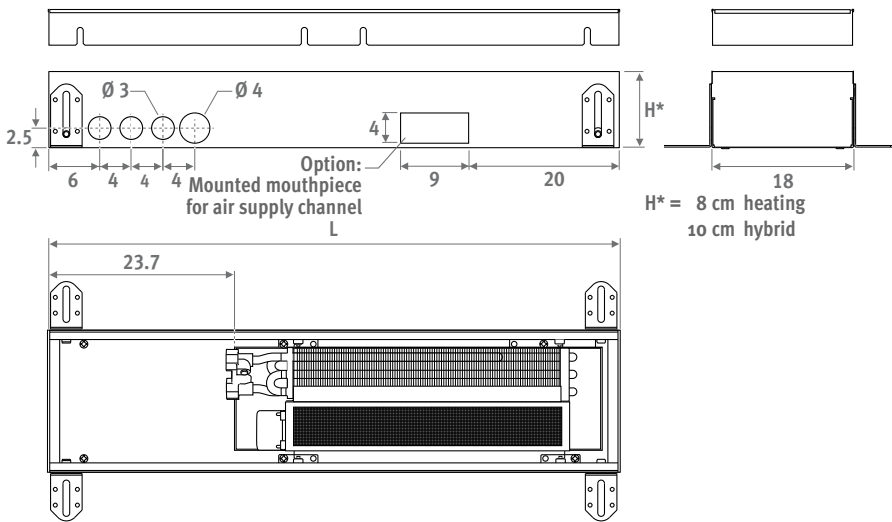




CLIMA CANAL - SUMMARY



DIMENSIONS (in cm)



ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX /XXX
				fill in grille code ↓
grille colour to be completed in BNC				

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 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the Clima 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, right side, to be connected via external power supply.
- control of speed activator(s) 0-10V

COMPOSITION

Cover plate

Grille

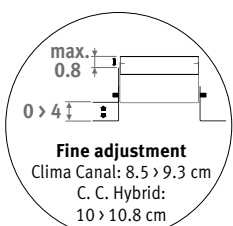
several styles and colours in anodized aluminium and a range of wood finishes

Stainless steel flexible connections 1/2"

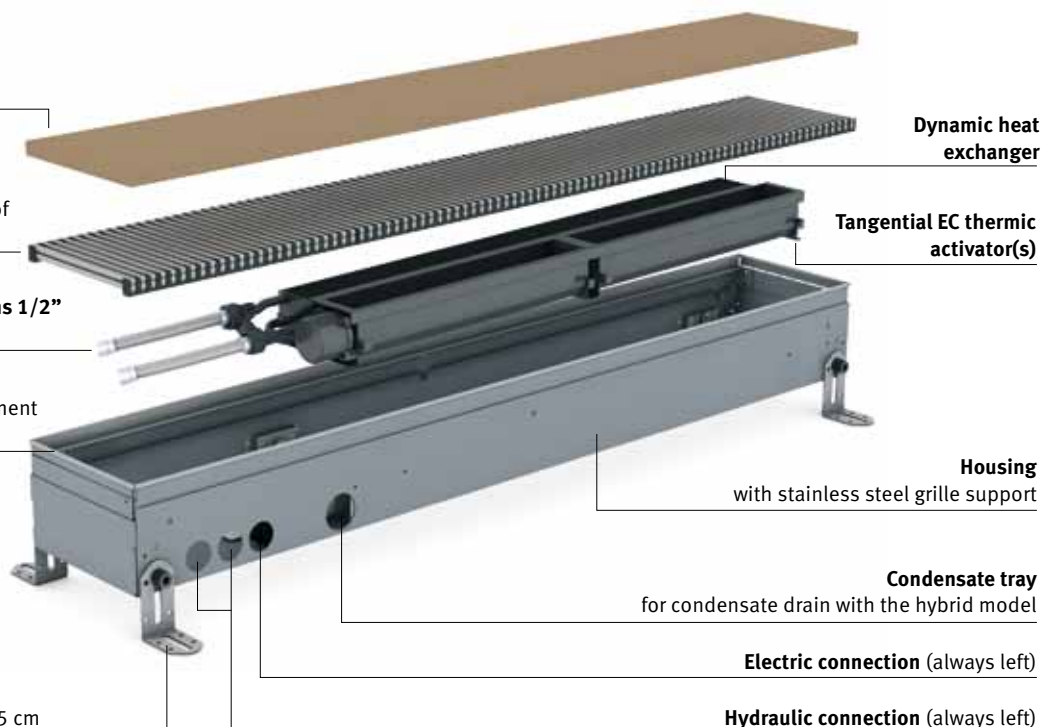
Length 15 cm

Fine adjustment

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



Feet with height adjustment 0 > 4.5 cm



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.				
H L CLIMA CANAL																		
008	072	945	903	517	563	546	310	234	228	129	---	---	---	---	---	---	646,60	711,20
	108	2075	2009	1137	1238	1201	682	514	501	284	---	---	---	---	---	---	884,20	972,60
	144	3011	2912	1654	1798	1744	992	747	728	413	---	---	---	---	---	---	1232,40	1355,60
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	---	---	---	---	---	---	1398,20	1538,00
H L CLIMA CANAL HYBRID																		
010	072	945	903	517	563	546	310	234	228	129	284	273	110	213	205	83	663,20	729,50
	108	2075	2009	1137	1238	1201	682	514	501	284	576	545	219	433	410	165	911,80	1003,00
	144	3011	2912	1654	1798	1744	992	747	728	413	849	818	330	638	615	248	1271,10	1398,20
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	1152	1090	440	866	820	330	1436,80	1580,50

EN442 output at 20°C room temperature

TECHNICAL DATA

			FAN		SOUND PRESSURE**			RATED INPUT			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	4.37	3.17	1.56	70	59	40	78	47
	108		1		37	32	20	6.70	4.80	1.98	142	119	83	175	94
	144		2		39	34	22	10.30	6.70	2.30	213	178	123	250	140
	180		2		40	35	23	12.10	8.25	2.83	284	238	165	345	187

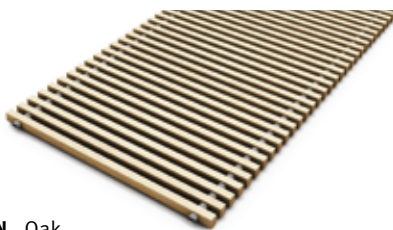
** Height 1 metre, 2 metres from the air exhaust grille..

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

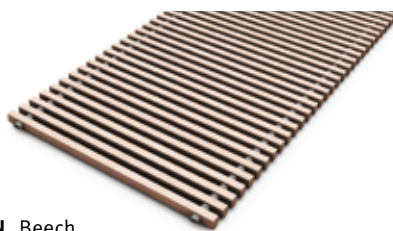
Correction factors & pressure drop: see "Technical info" chapter

OVERVIEW GRILLES

Wooden grilles



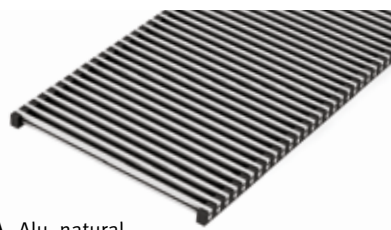
BON Oak
BOV Oak varnished



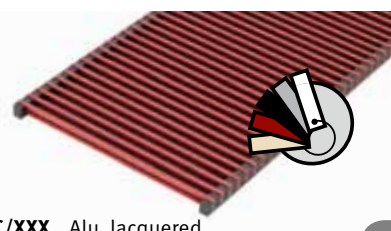
BBN Beech
BBV Beech varnished



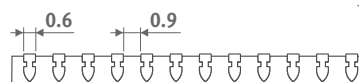
Aluminium grilles



BNA Alu. natural



BNC/XXX Alu. lacquered



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

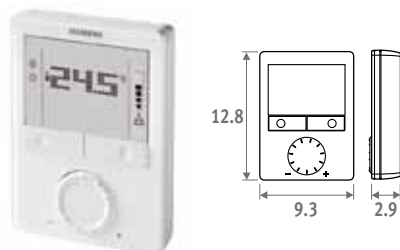


Fully removable internal mechanism for easy cleaning.

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

THERMOSTAT HEATING / COOLING



- room regulator for one room
- automatic or manual changeover heating/cooling
- display with background lighting
- power supply 24 VDC
- output control 0-10 VDC
- valve control 0-10 VDC
- min. and max. temperature control

CODE	€
8751.050006	252,00

CONNECTION SET 24 VDC (0-10 VDC)



- 24 VDC thermal motor 0-10 V
- valve G1/2" x M24 180°
- lockshield G1/2" x M24 180°
- control 0-10 V
- sleeve couplings M24 not included (see page 168)

CODE	Description	€
7990.220	180° - G1/2" F / NG 24V 2Watts	226,60

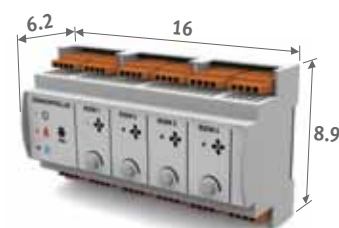
JAGA CLOCK THERMOSTAT



Automatic thermostat with day - night and week programme. Activators: auto / continuous. Batteries included

CODE	€
7990.073	128,50

CONTROL FOR MULTIPLE ROOMS



- control of multiple rooms (max. 4 zones)
- control of the heating installation
- control of the cooling installation
- control of three-way valves
- control of zone valves per room
- control of fans via 0-10VDC signal
- manual adjustment of fan speed
- indication of the operating mode by means of LEDs
- for DIN rail mounting
- to be used with thermostats with potential-free contacts
- (f.e., Jaga clock thermostat 7990.073)
- screw connectors

CODE	€
7990.035	474,00

JAGA TWO-WAY VALVE AND MOTOR 230V



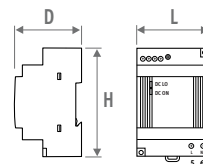
- only for mounting on the distributor, not in the Clima Canal!
- with varistor to protect against overvoltage
- with position indicator (open/closed)

CODE	Description	€
7990.409	180° - G1/2" F / NG 230V 2Watts	78,00
7990.411	180° - G3/4" F / NG 230V 2Watts	88,00

POWER SUPPLY



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



Code	H	L	D
7990.050	9.1	5.3	5.5
7990.051	9.1	7.1	5.5
7990.052	9.1	8.9	5.5
7990.053	12.5	8.3	11.6

- for DIN-rail or wall mounting
- safety: UL1310 Class 2
- output voltage between 24 - 28 VDC
- input voltage 90 - 264 VAC
- screw connection
- LED display
green = on
red = DC low power / short circuit

CODE	Output Watts	Output current A	€
7990.050	31	1.3	85,45
7990.051	60	2.5	109,30
7990.052	100	4.2	133,00
7990.053	240	10	147,30

Required power = sum of the power consumption of the devices

MAX. CABLE LENGTH (in metre)

Number of ventilators	Min. cable thickness mm ²				
	2.5	1.5	1	0.75	0.5
1	357.1	214.3	142.9	107.1	71.4
2	178.6	107.1	71.4	53.6	35.7
3	119.0	71.4	47.6	35.7	23.8
4	89.3	53.6	35.7	26.8	17.9
5	71.4	42.9	28.6	21.4	14.3
6	59.5	35.7	23.8	17.9	11.9
7	51.0	30.6	20.4	15.3	10.2
8	44.6	26.8	17.9	13.4	8.9
9	39.7	23.8	15.9	11.9	7.9
10	35.7	21.4	14.3	10.7	7.1
11	32.5	19.5	13.0	9.7	6.5
12	29.8	17.9	11.9	8.9	6.0
13	27.5	16.5	11.0	8.2	5.5
14	25.5	15.3	10.2	7.7	5.1
15	23.8	14.3	9.5	7.1	4.8
16	22.3	13.4	8.9	6.7	4.5
17	21.0	12.6	8.4	6.3	4.2
18	19.8	11.9	7.9	6.0	4.0
19	18.8	11.3	7.5	5.6	3.8
20	17.9	10.7	7.1	5.4	3.6
21	17.0	10.2	6.8	5.1	3.4

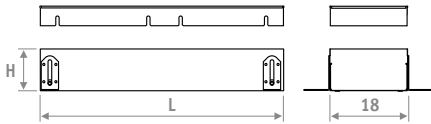
Cable length in function of the number of fans (max. tension loss 5%)

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

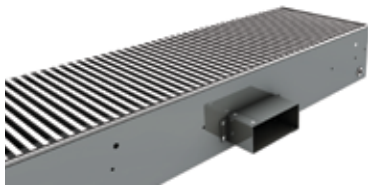
ORDERING CODE		code	height	length	width	grille
		CLCD.	008	072	18	BNA
H	L		BNA	BNC/XXX		BOV
			BON			BBV
			BBN			
008	072		359,20			395,10
	108		552,60			607,90
	144		635,50			699,10
	180		718,40			790,30

Empty housing Clima Canal Hybrid

ORDERING CODE		code	height	length	width	grille
		CLCD.	010	072	18	BNA
H	L		BNA	BNC/XXX		BOV
			BON			BBV
			BBN			
010	072		359,20			395,10
	108		552,60			607,90
	144		635,50			699,10
	180		718,40			790,30

MOUNTED MOUTHPIECE FOR AIR SUPPLY CHANNEL

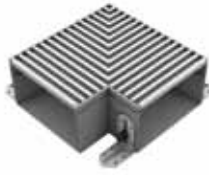
Height 4 cm x length 9 cm



CODE	€
/VEN	56,00

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	469,70
CLCD.008 025 18/BNC/ ...	Alu. lacquered	

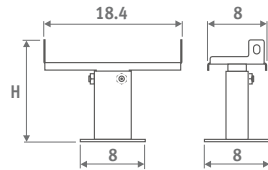
fill in colour code

Corner piece Clima Canal Hybrid

CODE		€
CLCD.010 025 18/BNA	Alu. natural	489,00
CLCD.010 025 18/BNC/ ...	Alu. lacquered	

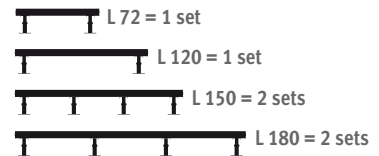
fill in colour code

FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



- lacquered in dark grey RAL 7024.
- easy installation by means of "stainless steel spring system"
- 1 set includes 2 height adjusting controls

Number of sets per Clima Canal



CODE	H	€/set
5209.05070000	5 > 7 cm	50,80
5209.08130000	8 > 13 cm	51,40
5209.13230000	13 > 23 cm	53,60
5209.20300000	20 > 30 cm	55,30

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