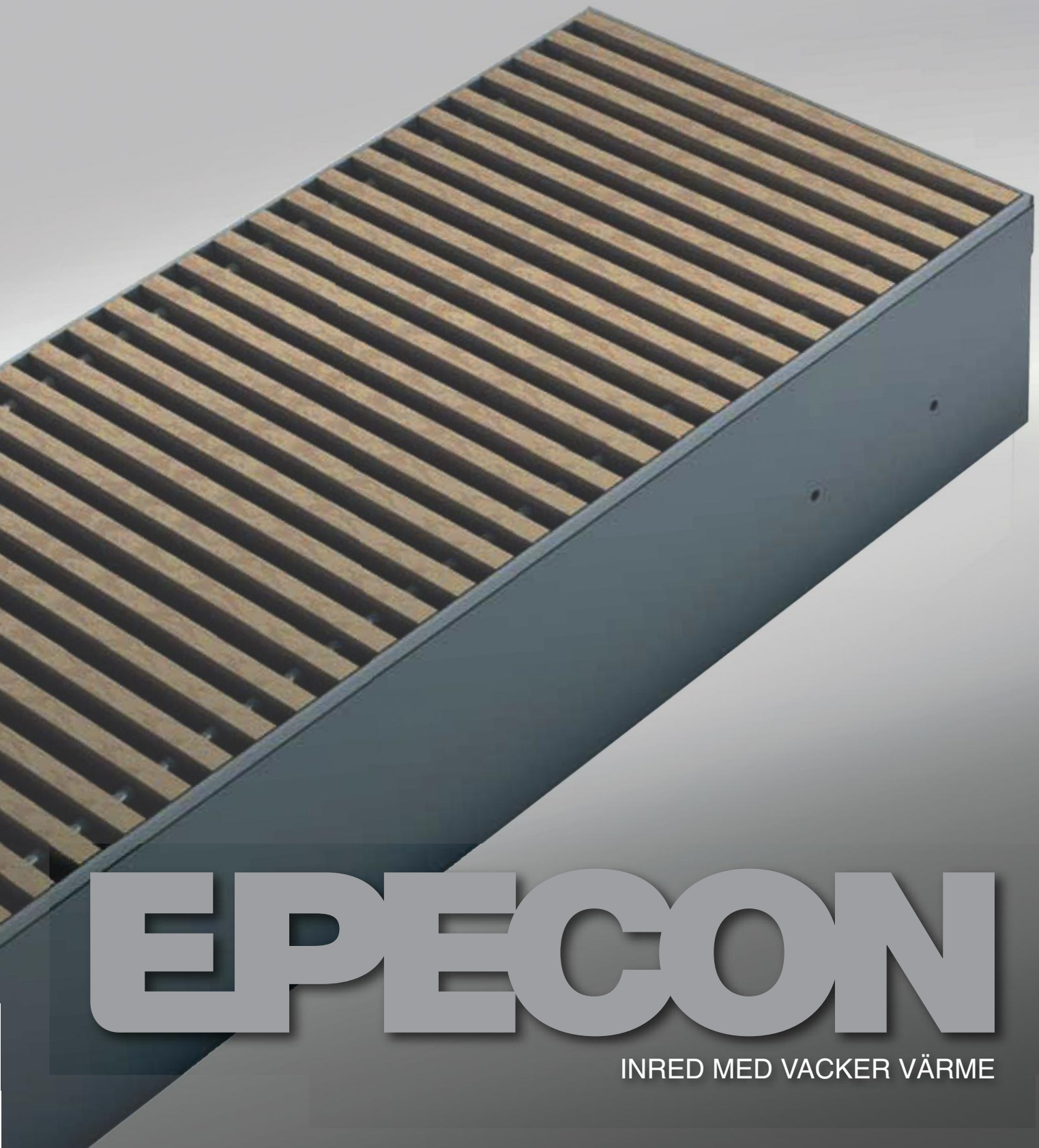
TOP PERFORMERS

CLIMA CANAL

2016-2017.EX



EPECON

INRED MED VACKER VÄRME

jaga TOP PERFORMERS

jagaHybridHeating

CLIMA CANAL

Complete climate control and high power

Heating, cooling, ventilation.
Despite it's 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_2O 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.

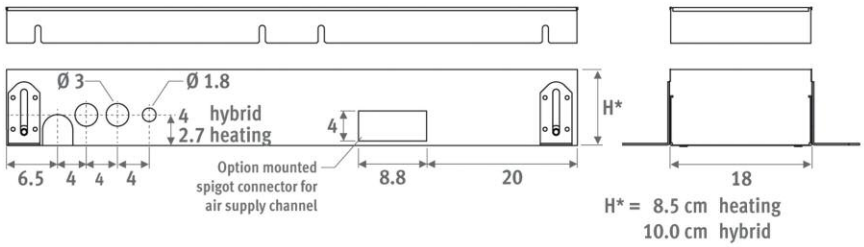
Using the latest EC motors enables Clima Canals to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

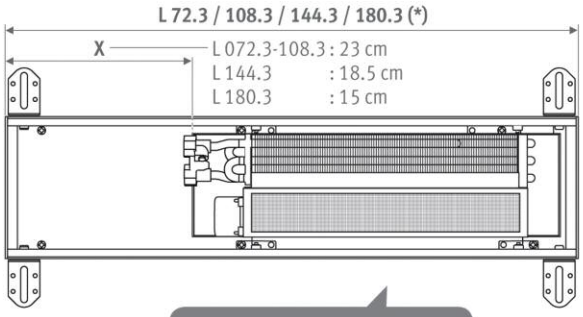
CLIMA CANAL · SUMMARY

EPECON

EN 442 EUROPEAN NORM

DIMENSIONS *(in cm)*





(*) In case of through-mounting, do not install the intermediate tops. Reduce length by 1 mm for each top.

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 to 25 cm.
- thermal activator(s), (tangential mini activator)

With energy efficient EC motor

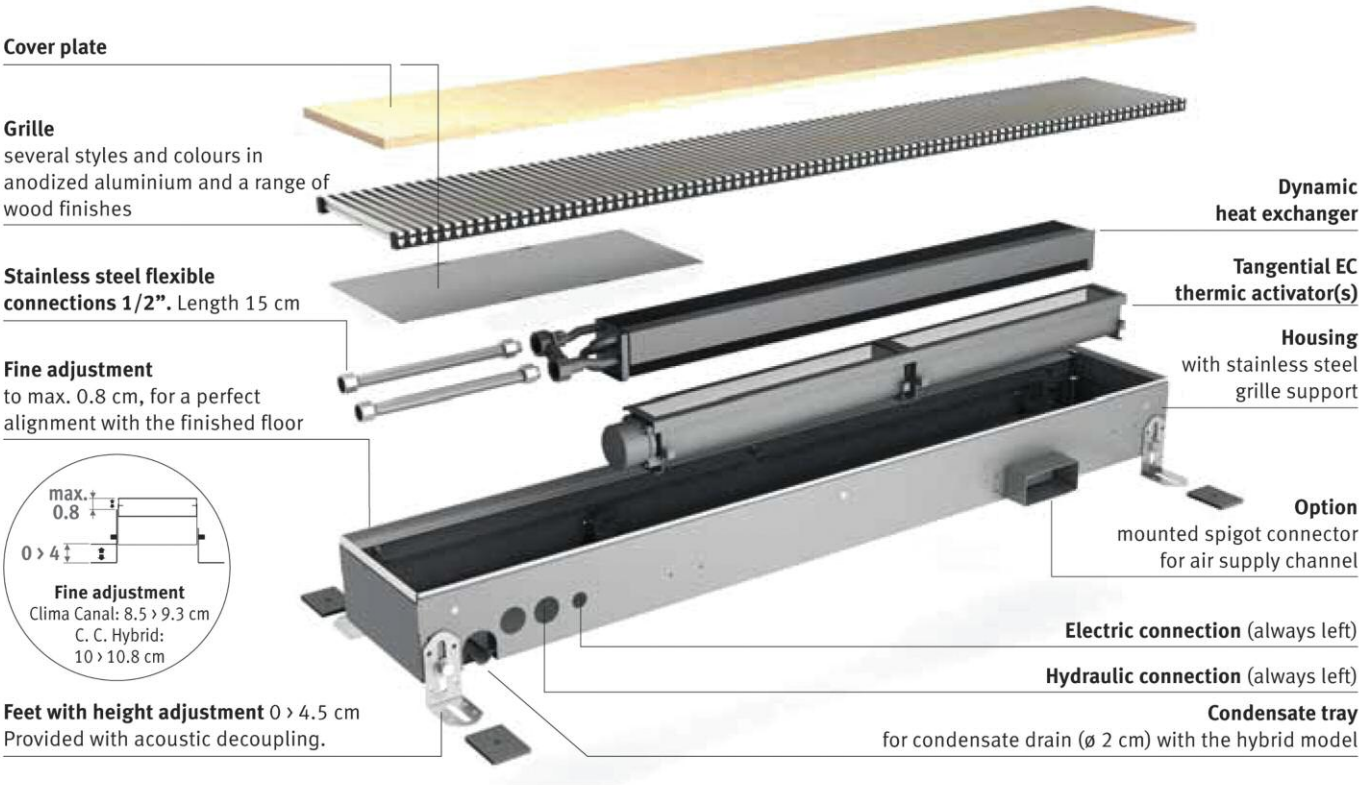
HYDRAULIC CONNECTION

- 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.

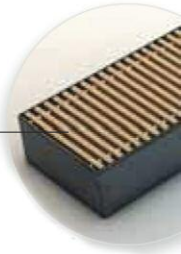
ELECTRIC CONNECTION

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

COMPOSITION



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.		
		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	---	**---**	---	---	**---**	---
	108	2075	**2009**	1137	1238	**1201**	682	514	**501**	284	---	**---**	---	---	**---**	---
	144	3011	**2912**	1654	1798	**1744**	992	747	**728**	413	---	**---**	---	---	**---**	---
	180	4145	**4018**	2274	2474	**2403**	1364	1028	**1001**	569	---	**---**	---	--	**---**	---
H	**L**	**CLIMA CANAL HYBRID**														
010	072	945	**903**	517	563	**546**	310	234	**228**	129	284	**273**	110	213	**205**	83
	108	2075	**2009**	1137	1238	**1201**	682	514	**501**	284	576	**545**	219	433	**410**	165
	144	3011	**2912**	1654	1798	**1744**	992	747	**728**	413	849	**818**	330	638	**615**	248
	180	4145	**4018**	2274	2474	**2403**	1364	1028	**1001**	569	1152	**1090**	440	866	**820**	330

TECHNICAL DATA

			FAN	SOUND PRESSURE**			POWER CONSUMPTION			AIR FLOW			WATER FLOW	
				dB(A)			Watts			m³/h			l/h	l/h
			Number	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*

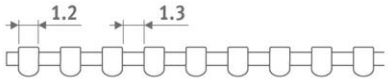
Correction factors & pressure drop: see "Technical info" chapter

OVERVIEW GRILLES

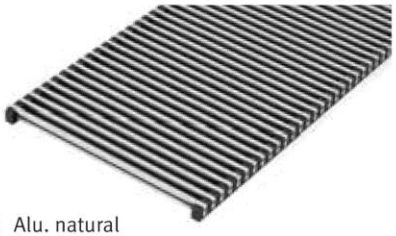
Wooden grilles

BON Oak
BOV Oak varnished

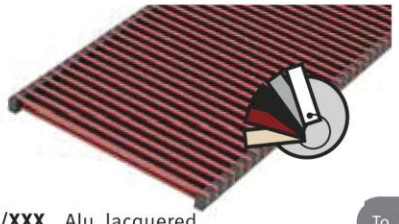
BBN Beech
BBV Beech varnished



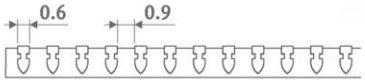
Aluminium grilles



BNA Alu. natural

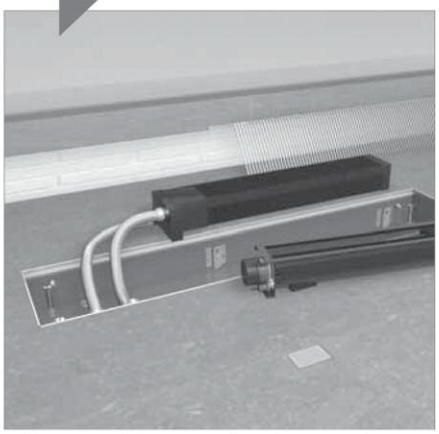


BNC/XXX Alu. lacquered



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..)

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

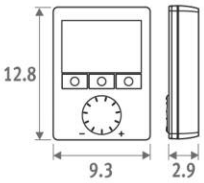


Fully removable internal mechanism for easy cleaning.

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**

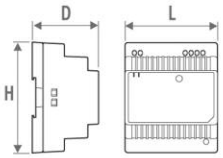
Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test

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	Output current
	Watts	A
7990.050	36	1.5
7990.051	60	2.5
7990.052	100	4.2
7990.053	240	10

Required power = sum of the power consumption of the devices

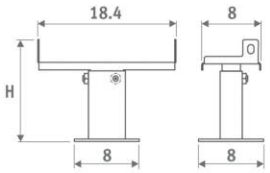
MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 cm x length 9 cm

CODE
/VEN

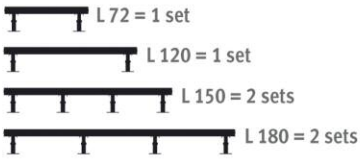
Add /VEN to the code of Clima Canal.
Example: CLCM. 008 072 18 /XXX **/VEN**

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

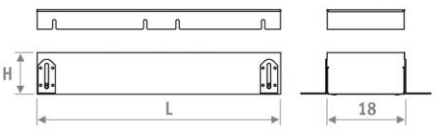
Number of sets per Clima Canal



CODE	H
5209.05070000	5 › 7 cm
5209.08130000	8 › 13 cm
5209.13230000	13 › 23 cm
5209.20300000	20 › 30 cm

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

Empty housing Clima Canal Hybrid

	code	height	length	width	grille
ORDERING CODE	CLCD.	010	072	18	BNA

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
CLCD.008 025 18/BNC/ ...	Alu. lacquered

fill in colour code

Corner piece Clima Canal Hybrid

CODE	
CLCD.010 025 18/BNA	Alu. natural
CLCD.010 025 18/BNC/ ...	Alu. lacquered

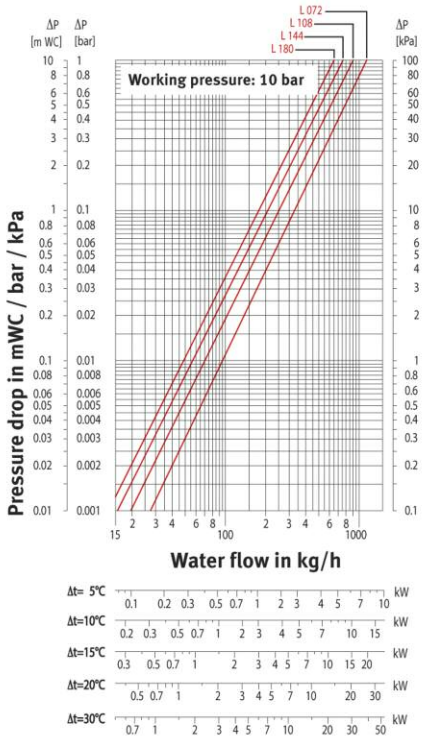
fill in colour code

AVERAGE CORRECTION FACTORS ACCORDING TO EN442 - 75/65/20°C

Tv	Tl	Tr	25	30	35	40	45	50	55	60	65	70	75	80	85
90	18		0.56	0.67	0.76	0.84	0.92	0.99	1.05	1.11	1.17	1.24	1.29	1.34	1.39
	20		0.49	0.62	0.71	0.80	0.87	0.94	1.01	1.07	1.13	1.20	1.25	1.30	1.35
	22		0.42	0.56	0.66	0.75	0.83	0.90	0.97	1.03	1.09	1.16	1.21	1.26	1.31
	24		0.31	0.50	0.61	0.71	0.79	0.86	0.93	0.99	1.05	1.11	1.17	1.22	1.27
85	18		0.53	0.64	0.73	0.81	0.88	0.95	1.01	1.07	1.14	1.19	1.24	1.29	
	20		0.47	0.59	0.68	0.76	0.84	0.91	0.97	1.03	1.09	1.15	1.20	1.25	
	22		0.39	0.53	0.63	0.72	0.79	0.86	0.93	0.99	1.05	1.11	1.16	1.21	
	24		0.29	0.47	0.58	0.67	0.75	0.82	0.89	0.95	1.01	1.07	1.12	1.17	
80	18		0.50	0.61	0.70	0.77	0.84	0.91	0.97	1.03	1.09	1.14	1.19		
	20		0.44	0.56	0.65	0.73	0.80	0.87	0.93	0.99	1.05	1.10	1.15		
	22		0.37	0.50	0.60	0.68	0.76	0.82	0.89	0.95	1.01	1.06	1.11		
	24		0.27	0.45	0.55	0.64	0.71	0.78	0.85	0.91	0.97	1.02	1.07		
75	18		0.48	0.58	0.66	0.74	0.80	0.87	0.93	0.99	1.04	1.09			
	20		0.42	0.53	0.62	0.69	0.76	0.82	0.88	0.95	1.00	1.05			
	22		0.35	0.48	0.57	0.65	0.72	0.78	0.84	0.91	0.96	1.01			
	24		0.25	0.42	0.52	0.60	0.68	0.74	0.80	0.87	0.92	0.97			
70	18		0.45	0.55	0.63	0.70	0.76	0.82	0.89	0.94	0.99				
	20		0.39	0.50	0.58	0.65	0.72	0.78	0.85	0.90	0.95				
	22		0.32	0.45	0.54	0.61	0.68	0.74	0.80	0.86	0.91				
	24		0.24	0.39	0.49	0.57	0.64	0.70	0.76	0.82	0.87				
65	18		0.42	0.51	0.59	0.66	0.72	0.78	0.84	0.89					
	20		0.36	0.47	0.55	0.62	0.68	0.74	0.80	0.85					
	22		0.30	0.42	0.50	0.57	0.64	0.70	0.76	0.81					
	24		0.22	0.36	0.46	0.53	0.60	0.66	0.72	0.77					
60	18		0.39	0.48	0.55	0.62	0.68	0.74	0.79						
	20		0.34	0.43	0.51	0.58	0.64	0.70	0.75						
	22		0.28	0.39	0.47	0.54	0.60	0.66	0.71						
	24		0.20	0.33	0.42	0.49	0.56	0.62	0.67						
55	18		0.36	0.44	0.51	0.58	0.64	0.69							
	20		0.31	0.40	0.47	0.54	0.60	0.65							
	22		0.25	0.35	0.43	0.49	0.55	0.61							
	24		0.17	0.30	0.39	0.45	0.51	0.57							
50	18		0.33	0.41	0.47	0.53	0.59								
	20		0.28	0.36	0.43	0.49	0.55								
	22		0.22	0.32	0.39	0.45	0.51								
	24		0.15	0.27	0.35	0.41	0.47								
45	18		0.30	0.37	0.43	0.49									
	20		0.25	0.33	0.39	0.45									
	22		0.20	0.28	0.35	0.41									
	24		0.13	0.24	0.31	0.37									
40	18		0.26	0.33	0.39										
	20		0.22	0.29	0.35										
	22		0.17	0.25	0.31										
	24		0.11	0.20	0.27										
35	18		0.23	0.29											
	20		0.18	0.25											
	22		0.14	0.21											
	24		0.08	0.16											
30	18		0.19												
	20		0.14												
	22		0.10												
	24		0.06												

The indicated outputs with ΔT 50 and ΔT 60 are the exact outputs. ΔT 50 output measured in accordance with EN 442 and ΔT 60 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions.

CLIMA CANAL



WEIGHT IN KG

CLIMA CANAL		
Type	**H 008**	**010**
072	6.4	7.8
108	10.1	12.5
144	14.4	17.9
180	18.8	23.9

WATER CONTENT IN LITRES

CLIMA CANAL	
Type	
072	0.120
108	0.279
144	0.439
180	0.598

www.ultra-design.no-3899-09.2016

Modul, PRE och Lisa radiatorerna produceras vid Lyngson/Epecons fabrik.

Värme i flera former

I Epecons breda sortiment hittar du även konvektorer och designradiatorer i olika storlekar och former. Gemensamt för dem alla är att de har en väl fungerande konstruktion samt en formgivning som uppfyller de allra högsta krav som ställs vid ny- och ombyggnation.

För att upprätthålla en ständig produktutveckling förbehåller Epecon sig rätten att ändra tekniska specifikationer utan föregående meddelande. Epecon reserverear sig för eventuella feltryck.

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