

jaga

CLIMATE DESIGNERS

FREEDOM € 2020.EX

Heating



Light cooling



Deep cooling



jaga

CLIMATE DESIGNERS

FREEDOM

Freedom of choice in energy source, installation and application

Effective at the lowest water temperatures

Freedom is super-efficient in combination with any energy source. The lower the water temperature, the clearer the benefits of its power and flexibility! It is the perfect solution for use with heat pumps and new heating systems operating at very low water temperatures.

Compact elegant design

Freestanding Freedom radiators present Jaga's innovative and environmentally friendly Hybrid technology in its most compact and beautiful design yet. From its compact design, it packs a powerful punch and performs much more effectively than a bulky traditional radiator or fan convector and can be sympathetically integrated into any interior design concept.

Heating and cooling

Despite its compact design, Freedom can meet your heating and cooling requirements! It's suitable for non-condensing and condensing cooling using chilled water. Freedom comes fitted with a condensate tray as standard.





FREEDOM





THE BEST TECHNOLOGY AND BEAUTIFUL DESIGN IN HARMONY

The casing shell is based on a gently curved, double-skin aluminium profile, resulting in an extremely strong radiator with a stylish and unique design. Elegant aluminium or stainless steel grilles complete the refined finish. Freedom represents the pinnacle of energy-efficiency, sustainability and beautiful design!



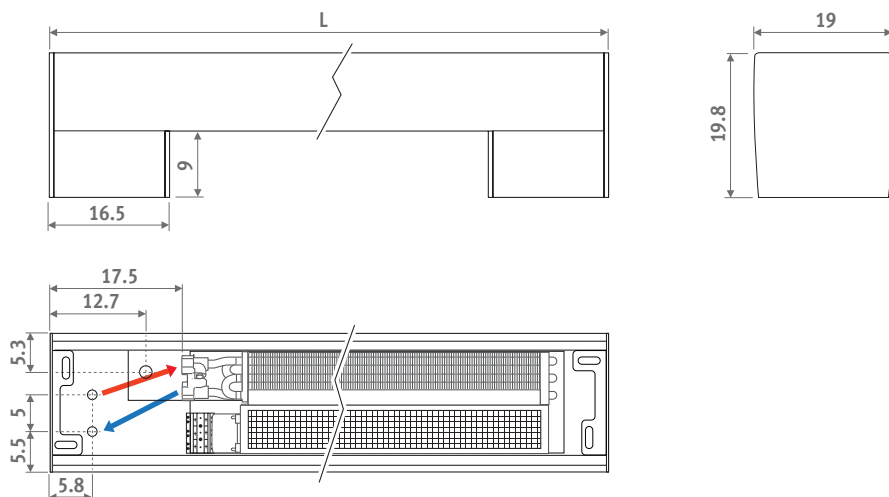
PERFECT FOR FREE COOLING

When using water/water heat pumps, summer cooling can be provided using groundwater. This extremely eco-friendly form of cooling will become more and more popular, and may become compulsory in some countries. Freedom is one of the most efficient and environmentally-friendly solutions for this type of climate control



FREEDOM

DIMENSIONS (in cm)



STANDARD DELIVERY

Fully pre-mounted free-standing radiator consisting of:

- aluminium casing
- aluminium cover panels
- aluminium grilles
- dynamic heat exchanger with flexible stainless steel connections 1/2", 15 cm long
- 24 VDC tangential activator(s), with integrated stainless steel filter
- hydraulic and electrical connections integrated in the left foot

COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface. High UV resistance.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer

Other colours: see colour chart

HYDRAULIC CONNECTION

- the heat exchangers are same-end connection and are always connected to a two pipe installation on the left hand side, using the stainless steel flexible hoses
- allow extra space for curtains between the Freedom casing and the window.
- always install Freedom Clima with the heat exchanger on the window side or on the wall side, not on the room side
- insulate valve and pipes to prevent condensation when cooling

ELECTRICAL CONNECTION

- 24 VDC clamp connector for electrical connection on the left, to be connected to an external power supply
- speedcontrol activator(s) 0-10 V:
- Jaga room controller (4 zone(s))
- thermostat (for heating and cooling) with 0-10 VDC output control (1 zone)
- through home automation 0-10 VDC



CONNECTION SETS

With Jaga valve and lockshield M24



- thermoelectric drive 24 VDC
- valve G1/2" x M24 180°
- lockshield G1/2" x M24 180°
- pressure drop graph Jaga valve: see p. 342

set
94

TWO PIPE

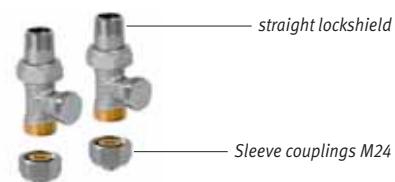
€

CODY.AA4.24.3... 24 VDC **94,00**

CODY.AA4.10.3... 24 VDC (0-10 V) **175,00**

fill in sleeve coupling code: see p. 333

With 2 lockshields M24



set
91

TWO PIPE

€

CODY.LOS.00.3... **42,00**

fill in sleeve coupling code: see p. 333

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	STANDAARD KLEUR ROOSTER BNA		ORDER CODE
H cm	L cm	B cm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts				dB(A)	m³/h	
020 074 19	2	134	80	53	33	50	36	22	14	24	0.5	663,00	762,00	FDCE.020 074 19 /XXX			
	4	367	219	144	91	153	110	67	15	37	0.8						
	6	589	351	232	146	244	177	107	23	52	1.3						
	8	852	508	335	211	324	237	144	28	68	2.1						
	10	1105	659	434	273	392	290	176	34	79	3.0						
110 19	2	276	165	109	68	104	73	45	15	42	0.6	911,00	1048,00	FDCE.020 110 19 /XXX			
	4	755	450	297	187	316	226	137	19	75	1.3						
	6	1213	724	477	300	503	364	221	29	98	2.7						
	8	1755	1047	689	434	666	488	296	32	125	4.6						
	10	2275	1357	894	563	806	598	362	37	160	7.1						
145 19	2	434	259	171	107	163	115	70	16	66	1.1	1270,00	1461,00	FDCE.020 145 19 /XXX			
	4	1187	708	466	294	496	355	215	20	112	2.1						
	6	1907	1137	749	472	790	572	347	30	150	4.0						
	8	2758	1645	1083	682	1047	767	465	35	193	6.6						
	10	3576	2133	1405	885	1267	940	570	39	239	10.1						
181 19	2	592	353	233	146	223	157	95	18	84	1.2	1436,00	1651,00	FDCE.020 181 19 /XXX			
	4	1618	965	636	400	676	484	294	22	150	2.5						
	6	2600	1551	1021	643	1077	781	473	32	196	5.4						
	8	3760	2243	1477	931	1428	1047	634	37	250	9.1						
	10	4876	2908	1915	1207	1728	1281	777	41	320	14.1						

Output measured in accordance with EN 16430

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

enter grille code

FREEDOM

CODE STRUCTURE - OVERVIEW COLOUR COMBINATIONS

Freedom Clima **FDCF. 020 181 19. 133.** /BNA

code height length width colour grille code

Standard colours:
 traffic white RAL 9016 (133)
 sandblast grey (001)

Other colours:
 see colour chart

Freedom Clima:
 Grille aluminium natural: BNA
 Grille aluminium lacquered: BNC/2XX
 enter colour code

EXAMPLES

with standard colours

with other colours

Create your own

Design your own print
 For more information contact Jaga:
 ☎ +32 29 41 12 - ✉ export@jaga.be
 or your local dealer

COMPOSITION

Natural anodized aluminium grilles with aerodynamically designed fin profiles for improved air movement

Dynamic Low-H₂O heat exchanger in copper and aluminium, electrostatically black painted. With "click" steel fastening for easy maintenance

Stainless steel flexible connections 1/2", 15 cm long

Condensate tray with outlet spigot ø 10 mm

Electrical connection

Integrated air filter in stainless steel, with steel click fixing for easy maintenance

Tangential activator(s) with ball-bearing 24VDC EC-motorsaving up to 50% in electricity consumption. With soundproof EPDM damper

Inner casing in black painted steel plate

Cover-up panels in aluminium

Casing in double-skin aluminium

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
- auto switch heating/cooling

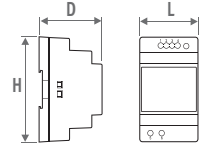


WITH CONTROL PANEL

- indication of operating mode by LED's
- control with touch operation and sensors for water and room temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- heating/cooling/standby with automatic switch (temporary manual adjustment is possible)
- Control:
 - 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 (contact Jaga for more information)

CODE		Surcharge €
DPC.FRC4	Heating	96,00
DPC.FRC6	Heating and cooling	102,00

POWER SUPPLY



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
7990.057	9.0	10.3	5.9

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

CODE	output Watts	Output current A	€
7990.054	30	1.5	38,00
7990.055	60	2.5	51,00
7990.056	92	3.9	74,00
7990.057	150	6.25	105,00

Required power = sum of the power consumption of the devices

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

FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW

Touchscreen

Wi-Fi

App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- 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		€
8751.050017	recessed/panel mounted	139,00

Jaga clock thermostat for recessed/panel mounting JRT-100

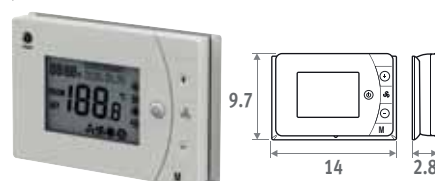


- spacing holes at 6 cm
- minimum depth 4.5 cm
- inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	83,00

FOR WALL MOUNTING

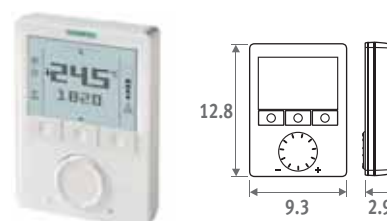
Jaga clock thermostat for wall mounting JRT-200



- 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	79,00

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	247,00

MAXIMUM CABLE LENGTH IN FUNCTION OF THE NUMBER OF DEVICES:

see <http://www.jaga.com/products/freestanding/freedom>

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CLIMATE DESIGNERS

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The information in this price list is correct at the time of printing.
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with our policy of continuous improvement and innovation.
All prices in Euro, exclude VAT. Prices valid from 1st January 2020.
Replaces all existing price lists.