



Soloclim

Stylish reversible airconditioner without outdoor unit

Reversible air conditioning has become essential for indoor comfort in summer as well as in winter. Too often, airconditioning means to install bulky condensing units on the outside wall of the buildings. Now, Frico presents Soloclim, a new approach to airconditioning without outdoor unit that dramatically improves the "monobloc" technology.

Almost invisible, outdoor and indoor
With a depth of only 16 cm, Soloclim is by far the slimmest of its category. It provides thus a real design solution, not only outdoor, but indoor as well.

Optimised performances
Soloclim ensures a comfortable room temperature and reduced consumption. The noise level is similar to a conventional wall split. With a new generation DC Inverter system, Soloclim Inverter significantly reducing energy consumption further. Soloclim SC23DCI1000 is equipped with an electrical resistance of 1000 W for additional heating.

Dual Power function
In order to exploit all the capacity of Soloclim, such as reach the set temperature very quickly, it is possible to select the highest cooling capacity just by pushing a button on the remote control. When the set temperature is reached, Soloclim will automatically switch to comfort function.

Product facts

- Without outdoor unit
- Stylish
- Very quiet
- Slim design
- Integrated and remote control
- Smartphone application
- Horizontal ou vertical



Self foldable outdoor grills

Soloclim has self foldable grills activated by the inlet and outlet airflow; they open when the unit is running and close when the unit is switched off. This way Soloclim offers a better indoor climate with less dust, pollution and noise and the outdoor visibility of the system is even further reduced.



162 mm holes

Soloclim just requires two holes of 162 mm and a drainage to be drilled. An easy "ready-made" solution for a discreet and stylish installation.

Easy to install

Soloclim can be installed on any type of wall, both in low and high position. The accessories needed for installation (installation template, mounting bracket, insulating wall pipes, outdoor grills) are supplied with the product. An optional side installation kit makes it possible to place the outlet grills on the side of the unit. For a high installation, a bottom plate is available as accessory.



Exhibition mounting, the two holes should be made on the outside of the building.



Soloclim with a side installation kit.

Remote control and control panel

In addition to the remote control, all functions can be managed by the control panel on the unit, and a "lock" function is available to prevent changing the settings. The orientation of the air outlet flap, up or down, can be programmed with a button on the control panel.



Smartphone control

The new application InnovApp (for iOS, Android, Windows) can be downloaded free of charge and turns your smartphone or your tablet into a remote control for Soloclim Inverter.

Soloclim Inverter can thus be programmed and controlled from a far distance and several units can be managed by the same smartphone, very useful in hotels, offices, etc.



Soloclim

Soloclim DC Inverter, top of technology, now in A+ class

The new Inverter control BLDC (Brushless Direct current) has made it possible to completely eliminate vibrations and to reduce sound level to exceptionally low values.

Both fan motors are BLDC to further reduce consumption and adjust the air flow more precisely.

Energy consumption is extremely low thanks to the absorbed values which, in the case of a partial load, are below 300 W. Very high EER values permit to achieve the “A+” energy efficiency class, the best in the category of installed monobloc airconditioners.



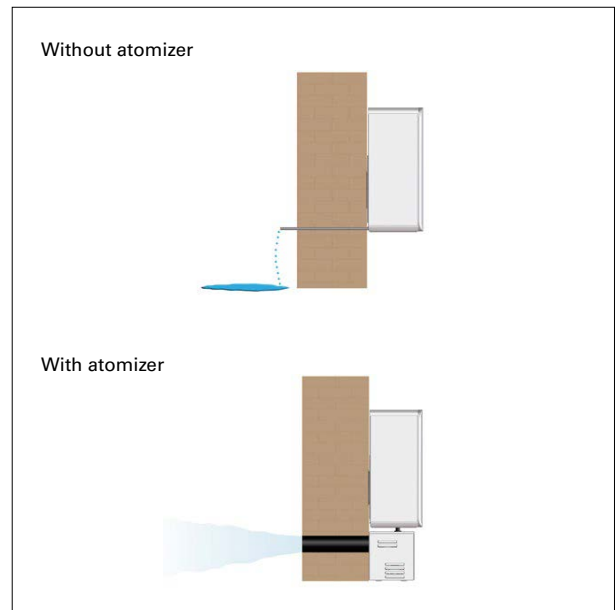
Condensate atomizer

Condensation from air conditioning systems can sometimes be a problem to eliminate. With Soloclim in winter mode, condensation is brought outside the building through a drain pipe. If the installation of such a pipe is difficult, the best solution is Soloclim atomizer SCBR3. Condensation is brought into SCBR3 and atomized by an innovative system using piezoelectric cells, and afterwards expelled by a microfan. SCBR3 can be installed either inside (with a 80 mm hole on the wall) or outside.



SCBR3 Condensation atomizer

Dimensions	378 x 140 x 232 mm
Weight	4,8 kg
Capacity	2 L / h
Colour	white RAL 9003
Inlet	16 mm hole on the top cover
Outlet	80 mm hole at the back
Consumption	Max 220 W
Voltage	230 V
Components	10 cells piezoelectric atomizer Fan to discharge condensate steam Supply 230 V – 48 V Floater No frost heating resistance (consumption 15 W) Steel tank



Technical specifications Soloclim

		Horizontal			Vertical	
		SC21DCI	SC23DCI	SC23DCI1000	SCV21DCI	SCV23DCI
Cooling capacity (1)	kW	2,04	2,35	2,35	2,04	2,35
Dual Power maximum cooling output	kW	2,6	3,1	3,1	2,6	3,1
Minimum cooling output	kW	0,8	0,9	0,9	0,8	0,9
Heating output (2)	kW	2,10	2,36	2,36	2,10	2,36
Heating output -7°C (3)	kW	0,98	1,11	1,11	0,98	1,11
Additional output by electrical resistance	kW	-	-	1,0	-	-
Dual Power maximum heating output	kW	2,64	3,05	3,05	2,64	3,05
Minimum heating output	kW	0,7	0,8	0,8	0,7	0,8
Power input cooling (1)	W	630	730	730	750	855
Power input heating (2)	W	638	720	720	675	770
Dehumidifying capacity	l/h	0,8	0,9	0,9	0,8	0,9
Supply voltage	V-F-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
EER	W/W	3,24	3,22	3,22	2,72	2,75
COP	W/W	3,29	3,28	3,28	3,10	3,15
Energy efficiency in cooling (6)		A+	A+	A+	A	A
Energy efficiency in heating (6)		A	A	A	A	A
Fan speed in/out	Nr.	3	3	3	3	3
Maximum air flow in/out	m ³ /h	380/460	400/480	400/480	380/460	400/480
Middle air flow in/out	m ³ /h	310/380	320/390	320/390	310/380	320/390
Minimum air flow in/out	m ³ /h	260/330	270/340	270/340	260/330	270/340
Dimensions (LxHxD)	mm	1030x555x165	1030x555x165	1030x555x165	500x1400x185	500x1400x185
Weight	Kg	48,5	48,5	48,5	53	53
Minimum/maximum sound level (4)	dB (A)	26/39	27/41	27/41	26/39	27/41
Minimum/maximum sound power LWA (5)	dB (A)	44/57	45/58	45/58	44/57	45/58
Diameter of wall holes	mm	162	162	162	162	162
Interaxis distance between wall holes	mm	293	293	293	293	293
Refrigerant gaz		R-410A	R-410A	R-410A	R-410A	R-410A

(1) (2) Conditions according to standard EN 14511.

(4) Indoor sound pressure measured in anechoic room.

(5) Indoor sound power measured according to standard EN 12102.

(6) Energy efficiency according to Directive 626/2011.

Max work conditions

Cooling temperature, (indoor/outdoor, DB) ; minimum 18 °C/-5 °C, maximum 32 °C/43 °C

Heating temperature, (indoor/outdoor, DB) ; minimum 5 °C/-10 °C, maximum 25 °C/18 °C

Test conditions

Test conditions, cooling (1)

Test conditions, heating (2)

Test conditions, heating (3)

Room temperature

DB 27 °C - WB 19 °C

DB 20 °C - WB 15 °C

DB 20 °C - WB 15 °C

Outdoor temperature

DB 35 °C - WB 24 °C

DB 7 °C - WB 6 °C

DB -7 °C - WB -8 °C

Accessories Soloclim

Type	Description
SCKR	Lateral kit for outlet on the right side
SCKL	Lateral kit for outlet on the left side
SCSFH1	Bottom plate for high installation
SCBR3	Condensation atomizer

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