

# ELO SLIM

High efficiency hydronic fan coils

## Technical and construction characteristics

ELO SLIM is the hydronic system terminal created for the high energy efficiency air conditioning systems of modern residential buildings, powered by water, it heats the environment in winter and cools it in summer. ELO SLIM is a plate with a thickness of only 13 cm, which contains the best inverter thermal technology in a compact and elegant shape.

Its ideal application occurs in heat pump systems and renewable systems, including solar ones.

Quick and effective, it heats, cools and dehumidifies with maximum silence, incorporating the most advanced thermal, electromechanical and electronic technology.

DC Inverter tangential fans which ensure minimum energy consumption, high aerodynamic performance and maximum silence.

ELO SLIM is equipped with advanced electronic control, which can be integrated into Modbus logic, suitable for the creation of scalable BMS systems for almost unlimited climate management. ELO SLIM synthesizes thermal and electromechanical efficiency performances such as to make it extremely advantageous in buildings with very high energy performance, in particular in class A and A+ buildings.

The rapidity of the thermal response and the on-board control of the climatic conditions in each individual environment allow you to obtain environmental well-being, hot or cold, only when needed and only where needed.

ELO SLIM has a depth of only 13 cm, approximately half that of traditional fan coils which instead have an average thickness of 25 cm (reduced to 20 cm for the so-called "compact" versions). This result is achieved by means of an innovative heat exchanger, with a high ratio between dimensions and effectiveness and a tangential fan unit with asymmetrical blades which optimizes performance in minimal space, with maximum acoustic comfort and with maximum savings.



SILENT VENTILATION



EFFECTIVE AND QUICK HEATING



COOLS AND DEHUMIDIFIES



MODULATING



AIR FILTRATION



VENTILATORI EC INVERTER



RADIANT TECHNOLOGY



INSTALLABLE ON WALL AND CEILING



LEFT SIDE HEELS



VERY THIN

Model	Thermal power kW	Cooling power kW	Code	€
Fan coil EOLO SLIM 250	1,25	0,80	52200010	690,00
Fan coil EOLO SLIM 400	2,40	1,65	52220010	820,00
Fan coil EOLO SLIM 600	3,25	2,50	52240010	960,00
Fan coil EOLO SLIM 800	4,00	3,25	52260010	1.190,00
Fan coil EOLO SLIM 1000	4,75	4,05	52280010	1.250,00

## Accessories EOLO SLIM



LCD electronic control on board with temperature probe

52200101 160,00



LCD + Modbus electronic control on board the machine with on-board temperature probe

52200102 180,00



Design feet kit for anchoring to the floor

52200103 60,00



Hydraulic connection kit and motorized 2-way valve

52200104 126,00



Hydraulic connection kit and motorized 3-way valve

52200105 160,00







Remote control

52200106 44,00

# EOLO SLIM

High efficiency hydronic fan coils

## Accessories EOLO SLIM

		Code	€
	Integra Touch Screen for programming the temperature on a daily and weekly basis	<b>Integra touch screen kit</b>	<b>52200120 732,00</b>
		<b>fix integra touch screen</b>	<b>52200121 74,00</b>
	Built-in daily/weekly On/Off Chrono Programmer		<b>52200107 218,00</b>
	Daily/weekly On/Off Chrono programmer from electrical panel		<b>52200108 168,00</b>
	230V electrothermal HD head for motorized hydraulic connection kit		<b>52200109 38,00</b>

## EOLO SLIM complete climate control



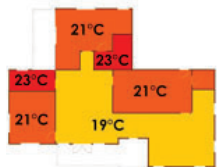
Each single EOLO SLIM allows you to set the desired temperature value on the appropriate panel, so that the electronic control regulates the operation of the thermal device, according to a logic that optimizes the balance between energy efficiency and climate comfort.



Advanced electronic systems, and in particular the most modern building-automation and home automation systems, can count on EOLO SLIM as the optimal system terminal to fulfill the widest range of climate functions, leaving the designer with total construction freedom. The reliability and flexibility of Modbus technology allows complete control of the device and climate zones.



The communication protocols can therefore also lead to the remote control of domestic environments with web-based cloud solutions.



It is possible to set the desired temperature in the specific environment on each EOLO SLIM, so that, for example, it is possible to have more or less heat in the bedrooms in winter, and perhaps a few degrees less in the living room.

Or, just as conveniently, it will be possible to manually set the desired power, perhaps to obtain maximum dehumidifying power in summer operation in a certain room.



EOLO SLIM is available with the PCB electronic module with Modbus technology on board, which allows the integration of EOLO SLIM within the most advanced air conditioning and BMS systems. The climate control of environments can thus take place by fully exploiting the multiple solutions deriving from these technologies.



### INTEGRA TOUCH SCREEN

EOLO SLIM regulates one's well-being, that is, it means constantly controlling and managing, with the minimum use of energy, the environmental conditions to have, in summer as in winter:

- Comfortable temperature
- Humidity below 55%
- Constantly fresh air and oxygenated.



DC Inverter

DC INVERTER TECHNOLOGY EOLO SLIM is equipped as standard with the new DC Inverter technology with high efficiency permanent magnet motors. This new technology drastically reduces the power absorbed, and at the same time allows for effective control of the permanent magnet motor. The maximum electrical consumption is similar to that of a LED bulb: the maximum power absorbed by EOLO SLIM 1000 is, at maximum speed, only 32 W (15 W for EOLO SLIM 250).



**FLEXIBLE INSTALLATION** Each EOLO SLIM is supplied as standard with a passive steel plate. The shape is designed to collect any condensation in such a way as to make it installable both vertically and horizontally without any further accessories or modifications.

### MAXIMUM SILENCE

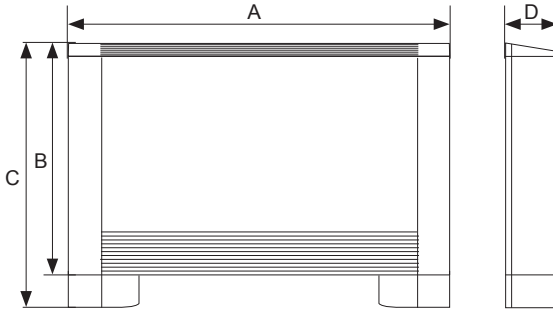
EOLO SLIM is equipped as standard with an asymmetrical tangential type fan unit driven by a DC Inverter motor. In addition to the compactness of the fan, which has allowed its thickness to be reduced to just 13 cm, this technology allows for the movement of high air flow rates with low linear speed, which corresponds to negligible levels of turbulence, hiss and noise, which make the device silent.



# EOLO SLIM

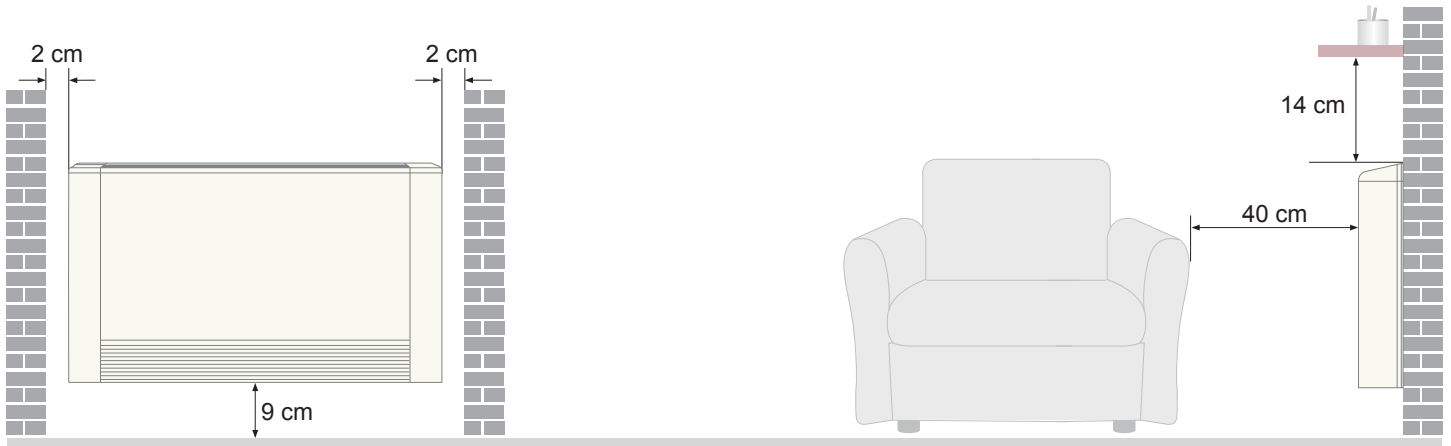
High efficiency hydronic fan coils

## Dimensions EOLO SLIM



Model	A mm	B mm	C mm	D mm
<b>EOLO SLIM 250</b>	700	670	745	130
<b>EOLO SLIM 400</b>	900	670	745	130
<b>EOLO SLIM 600</b>	1100	670	745	130
<b>EOLO SLIM 800</b>	1300	670	745	130
<b>EOLO SLIM 1000</b>	1500	670	745	130

## Indications for correct installation EOLO SLIM



## Tabella dati tecnici EOLO SLIM

Model	U.M.	250	400	600	800	1000
Thermal power 70 °C (1)	kW	2,00	3,80	5,45	6,95	8,60
Water flow (1)	l/min	2,80	5,50	7,92	10,10	12,45
Pressure drops (1)	kPa	6,5	13,0	29,0	23,5	26,2
Thermal power 50 °C (2)	kW	1,25	2,40	3,25	4,00	4,75
Water flow (2)	l/min	2,80	5,50	7,92	10,10	12,45
Pressure drops (2)	kPa	6,5	13,0	29,0	23,5	26,2
Thermal power with ventilation stopped (1)	W	340	390	460	570	700
Refrigeration power 7 °C (3)	kW	0,80	1,65	2,50	3,25	4,05
Water flow (3)	l/min	2,35	4,70	7,00	9,15	11,40
Pressure drops (3)	kPa	6,50	12,50	30,25	24,20	28,20
Air flow	m <sup>3</sup> /h	160	320	460	580	650
Sound pressure mode SUPER SILENCE (4)	dB(A)	16,5	14,2	15,4	16,10	16,60
Sound pressure speed mode max (4)	dB(A)	37,7	38,0	39,6	39,9	42,9
Sound pressure speed mode min	dB(A)	24,3	22,7	23,9	24,3	27,2
Power supply		230V/1/50Hz				
Degree of protection		IP23				
Max current absorbed	W	11,70	15,10	16,60	23,10	30,28
Hydraulic connections		3/4" M				
Condensate drainage pipe diameter	mm	16				
Empty weight	Kg	16	20	24	28	33

(1) Winter heating:

$T_{inlet}$  water temperature 70 °C,  $\Delta T$  10 °C; Ambient air temperature 20 °C - d.b. (UNI EN 1397) Inlet water temperature 50 °C, ;  $\Delta T$  5 °C - d.b. (UNI EN 1397)

(2) Winter heating:

Inlet water temperature 7 °C,  $\Delta T$  5 °C; Ambient air temperature 27 °C - b.s. / 19 °C - b.u. (UNI EN 1397)  $r = 2$  m,  $Q = 2$ , reverberation = 0.5s, Volume = 45 m<sup>3</sup>

(3) Summer cooling:

(4) Noise: