

# SLIM INCASSO

High efficiency wall-mounted, ceiling-mounted hydronic fan coil



SLIM RECESSED on the wall



SLIM RECESSED ceiling



SILENT VENTILATION



EFFECTIVE AND QUICK HEATING



COOLS AND DEHUMIDIFIES



MODULATING



AIR FILTRATION



VENTILATORI EC INVERTER



RADIANT TECHNOLOGY



INSTALLABLE WALL CEILING



LEFT SIDE CONNECTIONS



VERY THIN

## Technical and construction characteristics

The slim and silent SLIM INCASSO fan coil allows the best of hydronic technology to be applied recessed (flush to the wall). The crossflow fans, combined with power modulation and the passive steel plate offer unparalleled power and silence. SLIM INCASSO is a hydronic terminal, which can be installed inside a niche with a thickness of 14.3 cm, with high efficiency exchange battery and tangential fan unit with very silent DC Inverter motor.

SLIM INCASSO can be equipped with an autonomous digital regulation system on board the machine with integrated Modbus (optional).

For the correct installation of the SLIM INCASSO fan coil it is possible to purchase the wall-mounting template with the relative frame equipped with a white steel door and complete with condensation collection tray and removable thin-mesh filter. Connections on the left side (3/4" M diameter), for vertical and horizontal installation.

### OPERATION WITH INVERTER TECHNOLOGY

The diffusion of heat occurs in a homogeneous and effective manner. In automatic "Super-Silence" mode, the inverter technology conveys heat with minimal or even zero air movements, very silently.

SLIM RECESSED is equipped with:








- Super-silence mode, for high thermal emission very high levels of silence;
- Advanced climate control, with the possibility of command with remote control or with integration home automation systems via the modbus connection (optional);
- "Radiant" technology in heating and cooling, for gentle thermal emission minimizing air movement;
- Night sleep function;
- On and off timer, solo operation dehumidification or ventilation only;
- "Boost heating" and "boost cooling" function.

The control of the SLIM INCASSO fan coil can be carried out via the infrared remote control or via the invisible electronic control on the machine with integrated Modbus RTU protocol (both to be chosen from the accessories).

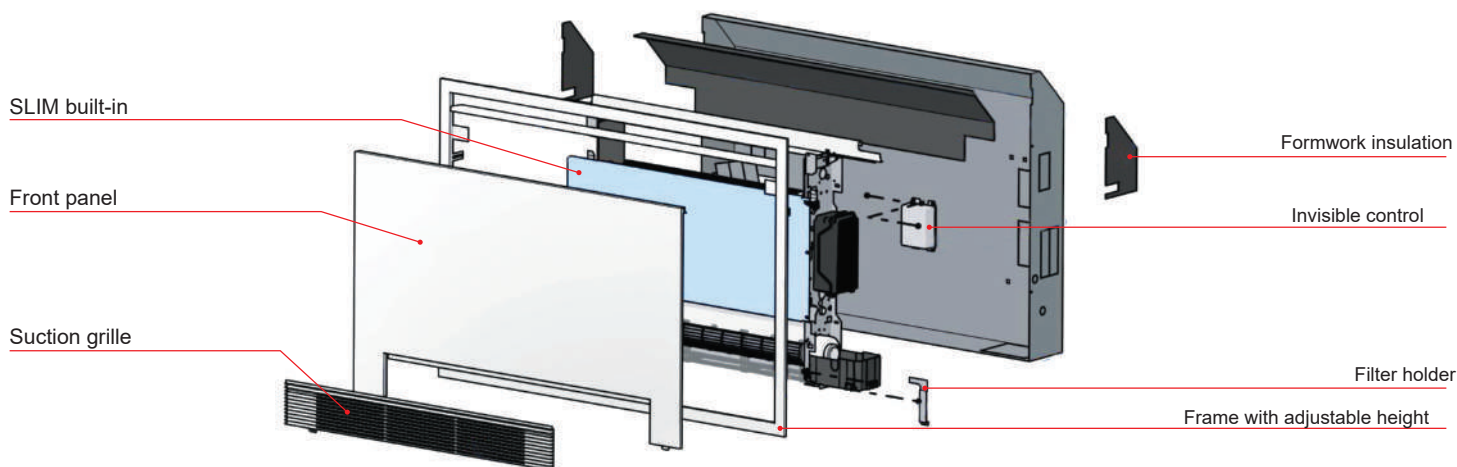
Model	Thermal power kW	Cooling power kW	Code	€
SLIM BUILT-IN fan coil 250	2,00	0,80	52200111	950,00
SLIM BUILT-IN fan coil 400	3,80	1,65	52200112	1.070,00
SLIM BUILT-IN fan coil 600	5,45	2,50	52200113	1.200,00
GALVANIZED FORMWORK 250	-	-	52200114	170,00
GALVANIZED FORMWORK 400	-	-	52200115	190,00
GALVANIZED FORMWORK 600	-	-	52200116	200,00
FRONT PANEL 250	-	-	52200117	210,00
FRONT PANEL 400	-	-	52200118	230,00
FRONT PANEL 600	-	-	52200119	250,00

# SLIM INCASSO

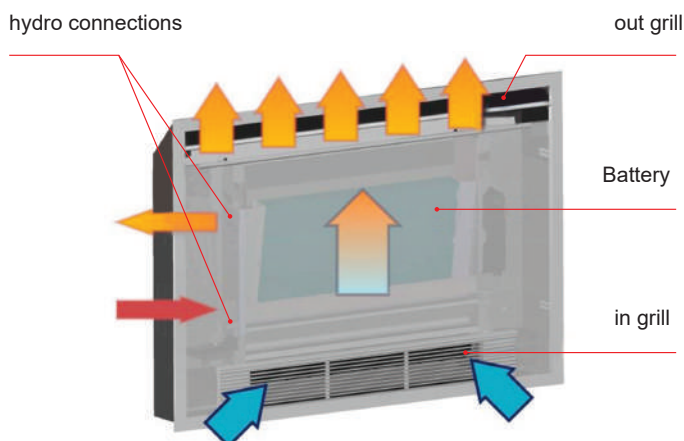
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Accessories built-in	Code	€
 Invisible electronic control on the machine with temperature probe and Modbus	52200110	160,00
 Hydraulic connection kit and motorized 2-way valve	52200104	126,00
 Hydraulic connection kit and motorized 3-way valve	52200105	160,00
 Remote control	52200106	44,00
 230V electrothermal HD head for motorized hydraulic connection kit	52200109	38,00
 Built-in daily/weekly On/Off Chrono Programmer	52200107	218,00
 Daily/weekly On/Off Chrono programmer from electrical panel	52200108	168,00

## SLIM RECESSED structure



## SLIM RECESSED winter operation



In winter the appliance sucks cold air from the front grill and conveys it silently, via an asymmetrical tangential fan coupled to a DC Inverter motor, towards a heat exchange battery. The task of the battery is to transfer the heat coming from the hydraulic circuit to the ambient air, heating it.

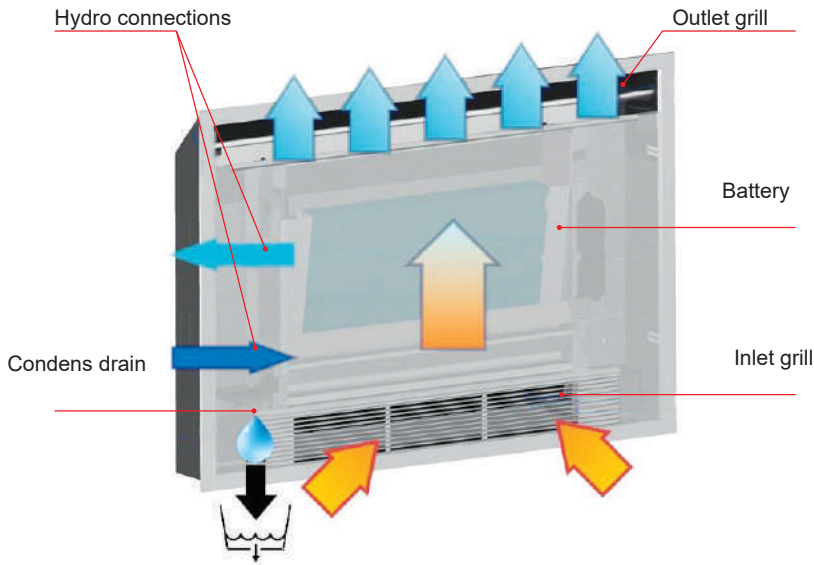
The heated air is introduced into the room through the upper adjustable opening.

N.B. To avoid introducing cold air into the room, the fan does not start until the heat exchange coil is hot enough (above 26 °C).

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## SLIM RECESSED summer operation



In summer the unit sucks hot, humid air from the front grill and conveys it silently via the DC Inverter fan towards the heat exchange battery. The battery takes heat from the air, cooling and dehumidifying it, and transfers it to the hydraulic circuit supplied with cold water.

Through the upper grille, the cooled and dehumidified air returns to the room.

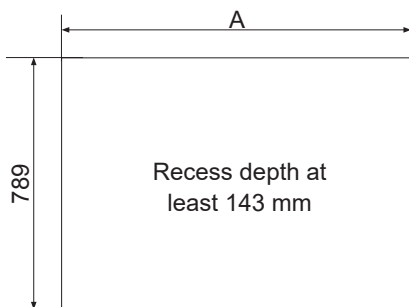
The condensation that forms from the dehumidification process is collected in a tray and conveyed towards the condensate drain.

N.B. To avoid introducing hot air into the room, the fan does not start until the heat exchange coil is cold.

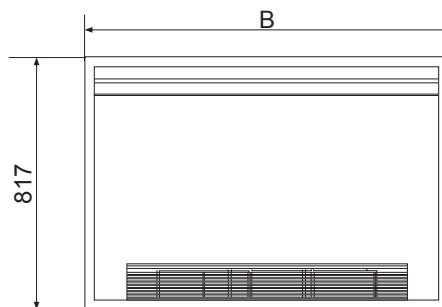
The diffusion of cold air is homogeneous and effective.

In automatic Super-Silence mode, the inverter technology conveys the cold air into the room through minimal movements or even zero, very silent.

## Dimensions and dimensions SLIM RECESSED



Wall cutout dimensions



SLIM RECESSED dimensions installed

Model	A mm	B mm
<b>SLIM RECESSED 250</b>	716	724
<b>SLIM RECESSED 400</b>	916	974
<b>SLIM RECESSED 600</b>	1116	1174

## Example of flush-mount SLIM RECESSED installation



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## Technical data SLIM RECESSED

Description	U.M.	SLIM RECESSED		
		250	400	600
Heating power T=70 °C <sup>(1)</sup>	kW	2,00	3,80	5,45
Water flow <sup>(1)</sup>	l/min	2,8	5,5	7,9
Pressure drop <sup>(1)</sup>	kPa	6,5	13,0	29,0
Thermal power T=50 °C <sup>(2)</sup>	kW	1,25	2,40	3,25
Water flow <sup>(2)</sup>	l/min	2,8	5,6	7,9
Pressure drop <sup>(2)</sup>	kPa	6,5	13,0	29,0
Heating power mod. radiant <sup>(2)</sup>	kW	0,55	0,99	1,35
Thermal power T=7°C <sup>(3)</sup>	kW	0,80	1,65	2,50
Water flow <sup>(3)</sup>	l/min	2,3	4,7	7,0
Pressure drop <sup>(3)</sup>	kPa	6,5	12,5	30,2
Air flow rate max	m <sup>3</sup> /h	160	320	460
Fan heating power stopped <sup>(1)</sup>	kW	0,34	0,39	0,46
Thickness of the fan coil	mm	130		
Sound pressure mod. SUPER SILENCE <sup>(4)</sup>	dB(A)	16,5	14,2	15,4
Sound pressure speed mode max <sup>(4)</sup>	dB(A)	37,7	38,0	39,6
Sound pressure speed mode min. <sup>(4)</sup>	dB(A)	24,3	22,7	23,9
Power supply		230V/1/50Hz		
Degree of protection		IP23		
Electricity consumption at max speed	W	11,7	15,1	16,6
Hydraulic connections		3/4" M		
Condensate drainage pipe diameter	mm	16		
Maximum operating pressure	bar	10		
Empty weight	kg	16	20	24

(1) Winter heating:

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: