

HELIOTERM INVERTER

Fan coils with Brushless motor



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Energy For Life

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WALL DESIGN, BEAUTIFUL AND SILENT

IN THE WIDE HELIOTERM INVERTER RANGE, THE DESIGN WALL WALL-MOUNTED FAN COIL STANDS OUT FOR ITS SILENCE AND ESSENTIAL AESTHETICS.

The DESIGN WALL range, thanks to its modern and elegant design and small dimensions (high power contained in just 128 mm of depth!), finds its place in any type of environment, providing excellent thermal comfort in every season.

The DESIGN WALL fan coil can be combined with high temperature heat generators, such as boilers, and with heating and air conditioning generators, such as heat pumps and integrated hybrid systems.

DESIGN WALL heats and cools very quickly and, once the desired temperature has been reached, maintains it with precision in maximum silence.

The air distribution takes place via a motorized flap, for uniform diffusion within the environment. DESIGN WALL is able to carry out a dehumidification action proportional to the difference between the total yield and the sensible yield.

DESIGN WALL can be positioned both high on the wall and low on the floor, offering maximum installation versatility.

Available in 3 different power sizes, it is completed with a wide choice of valve control devices, with numerous installation possibilities.



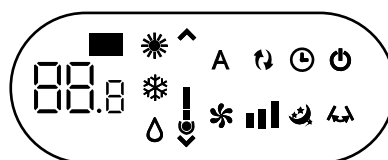
INVERTER TECHNOLOGY WITHIN TOUCH REACH

DESIGN WALL is equipped with a fan with a brushless motor driven by a DC inverter, which allows continuous variation of the air flow.

DESIGN WALL is available in two versions: with remote control and soft touch display on the machine, or combined with an optional wall control.



Remote control as standard



On-board touch display

ICONS	FUNCTIONS
	On / Off
	Cooling mode
	Ventilation mode
	Heating mode
	Night wellness mode
	Airflow direction control
	Fan speed control
	Timer function setting

Through the soft touch display, located at the bottom left of the unit, all functions can be managed: power on and off, temperature change, fan speed setting and operation mode.

The remote control reproduces the functions of the display, with the possibility of managing the unit remotely.

TECHNOLOGY AT THE SERVICE OF WELL-BEING

THE HELIOTERM INVERTER RANGE IS THE PERFECT SOLUTION FOR HEATING AND COOLING ROOMS

INVERTER TECHNOLOGY

Continuous variation of air flow rate to ensure high environmental comfort.

SILENCE

The extreme silence during operation makes it particularly suitable for installations in residential environments.

DC BRUSHLESS MOTORS

For consumption savings of up to 50% compared to fan coils with traditional asynchronous motors.

FANCOIL WITH RADIANT EFFECT

The HELIOTERM INVERTER PLUS range is also equipped with a specific technology which, in heating, adds the comfort of the radiant effect to ventilation, which allows people to increase their feeling of well-being.



INNOVATION WITHIN EVERYONE'S REACH

FULL FLAT FOR VERSION WITH RADIANT EFFECT

The elegant design of the Full Flat aesthetic, with motorized front panel, makes it fully integrable into residential locations.

THE RADIANT EFFECT FOR THE PLUS MODELS

An innovative technical solution to provide superior heating comfort

SOFT TOUCH CONTROLS

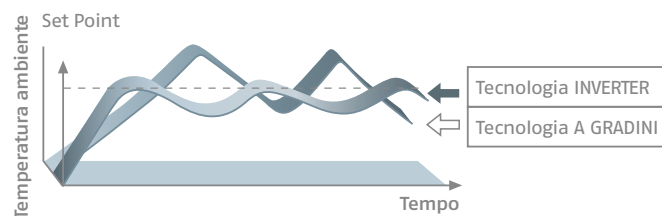
For a touch of high tech and elegance.

MINIMUM DEPTH

An ultra slim aesthetic with a depth of only 13 cm.

INVERTER TECHNOLOGY

DC Inverter technology, combined with high-efficiency permanent-magnet motors, enables the elimination of vibration and noise and the reduction of power consumption by 30% to 50%, with a range of fan speed modulation from 10 to 100% of maximum speed.



THE CONTROLS

On-board panel TOP

Electronic control panel with TOUCH LCD technology, which allows the management of all the operating parameters of the individual fan coil. Modulating control and possibility of communication with ModBus RTU protocol.



Wall panel TOP

Control panel with extremely thin LCD TOUCH (only 8 mm), which allows up to 30 fan coil units, connected over Modbus network, to be controlled from a single room control.

A WIDE CHOICE OF SOLUTIONS FOR AN EXCLUSIVE AESTHETIC



DESIGN WALL

Wall-mounted fan coil for residential and small commercial applications. It integrates perfectly into the interior, thanks to its slim aesthetic, with less than 13cm in depth.



INVERTER PLUS DESIGN

DESIGN INVERTER PLUS combines delicate and elegant aesthetics with the highest environmental comfort, thanks to the radiant effect.



INVERTER DESIGN / DESIGN S INVERTER

DESIGN INVERTER is specifically designed for complete integration into residential environments. DESIGN S INVERTER, with a height of just 38 cm, is ideal for environments where you want to minimize the aesthetic impact of the fan coil.



FREEDOM IN DESIGN



INVISIBLE INVERTER / INVISIBLE INVERTER PLUS
INVISIBLE INVERTER is the fan coil specifically designed for built-in installations and the rationalization of spaces.
INVISIBLE INVERTER PLUS is also enriched with the radiant function.



INVISIBLE INVERTER CEILING
INVISIBLE INVERTER CEILING it is the ideal solution for installation in false ceilings.



IN INVERTER / IN INVERTER PLUS
IN INVERTER is the suitable solution for built-in installations in limited spaces.
IN INVERTER PLUS is also enriched with the radiant function.

AVAILABLE INTERFACES



On-board control panel TOP:
The advanced control on the machine, with TOUCH LCD and Modbus RTU on RS485



On-board control panel BASE: The essential control on the machine, with buttons



Wall control panel TOP:
The wall control with TOUCH LCD and Modbus RTU on RS485



Recessed remote control panel:
The built-in wall control panel in the 503 box

MAXIMUM VERSATILITY

For the entire range (with the exception of the DESIGN S Inverter version) you have the possibility to choose between two predefined operating modes:

COMFORT: the solution for residential environments, to guarantee maximum silence;

PERFORMANCE: the solution for commercial environments, which require high performance and effectiveness.



ELEGANCE AND SILENCE



DESIGN WALL

The DESIGN WALL wall-mounted fan coil, thanks to the brushless motor, is able to work with a high modulation of the air flow, from 0 up to 100%, to maintain a comfortable temperature inside the room and guarantee maximum silence during operation.

Accessories:

Mandatory for P models:



Control panel
wall mounted TOP

Other accessories:



Two-way tap kit
with fittings



Two-way valve kit
motorized



Three-way valve kit
motorized

	MODEL		11/11P	17/17P	23/23P
Code (models with remote control)			20186360	20186361	20186362
Code (P models for combination with wall control panel TOP)			20186363	20186364	20186365
Output in cooling (1)	W		1070	1650	2310
Output in heating (2)	W		1270	1800	2600
Water flow rate (3)	l / h		239	354	492
Supply	V-Ph-Hz		230-1-50	230-1-50	230-1-50
Max air flow (4)	m³/h		228	331	440
Max-min sound pressure (5)	dB(A)		39,7-24,9	42,4-25,2	42,6-25,8
Overall dimensions	mm		902x335x128	1102x335x128	1302x335x128
Net weight	kg		14	16	19

(1) Water 12/7°C – Ambient air 27°C d.b.
(2) Water 45/x°C – Ambient air 20°C db.

(3) 70°C ΔT 10
(4) Air flow measured with clean filters
(5) According to UNI EN ISO 7779:2001



Compact design with a
depth of just 128mm



Night function



A single fan coil for cooling
and heating operation



Management with remote control
included or, in P models, with TOP
wall control panel
(available as an accessory)

DESIGN AND INNOVATION



INVERTER PLUS DESIGN

Model INVERTER PLUS DESIGN, Thanks to the exclusive operating principle that combines the convective and ventilating effect with the radiant effect of the front panel, ensures absolute well-being for the people present in the room.

Recommended accessories for optimal operation:

Available commands:



Remote control panel built-in



Control panel BASE on-board



TOP control panel on-board



TOP wall control panel

Other accessories:



Feet Kit



2-way and 3-way valve kit

Model		11	21	33	40	46
Code		20116258	20116260	20116261	20116263	20116264
Output in cooling (1)	W	830	1760	2650	3340	3800
Output in heating (2)	W	1150	2460	3410	4400	5200
Output in heating without ventilation (2)	W	320	380	460	550	660
Water flow rate (2)	l / h	143	303	456	574	654
Supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Max air flow (3)	m³/h	162	320	461	576	648
Sound pressure (3)	dB(A)	39,4	40,2	42,2	42,5	43,9
Overall dimensions	mm	770x580x129	970x580x129	1170x580x129	1370x580x129	1570x580x129
Net weight	kg	17	20	23	26	29

(1) Water 12/7°C – Ambient air 27°C d.b.

(2) Water 50/x°C – Ambient air 20°C db.

(3) COMFORT setting



Compact design with a depth of just 130 mm



Facilitated management thanks to LCD display (optional)



Night function



A single terminal for cooling and heating operation



Terminal with radiant effect



Standard aesthetics, Full Flat

SIMPLICITY AND VERSATILITY



INVERTER DESIGN

Model INVERTER DESIGN offers an aesthetic very refined without sacrificing effectiveness and performance.

Recommended accessories for optimal operation:

Available commands:



Remote control panel built-in



Control panel BASE on-board



TOP on-board control panel



TOP wall control panel

Other accessories:



Feet Kit



2-way and 3-way valve kit

MODEL		11	21	33	40	46
Code		201616254	20116244	20116246	201162250	20116252
Output in cooling (1)	W	830	1760	2650	3340	3800
Output in heating (2)	W	1090	2350	3190	4100	4860
Water flow rate (2)	l / h	143	303	456	574	654
Supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Max air flow (3)	m³/h	162	320	461	576	648
Sound pressure (3)	dB(A)	39,4	40,2	42,2	42,5	43,9
Dimensions	mm	770x580x129	970x580x129	1170x580x129	1370x580x129	1570x580x129
Net weight	kg	17	20	23	26	29

(1) Water 12/7°C – Ambient air 27°C d.b.

(2) Water 50/x°C – Ambient air 20°C db.

(3) COMFORT setting



Compact design with a depth of just 130 mm



Facilitated management thanks to LCD display (optional)



A single terminal for cooling and heating operation



Night function

COMPACTNESS AND FUNCTIONALITY



DESIGN S INVERTER

The DESIGN S INVERTER model has a height of just 38cm and is the ideal solution for environments where you want to reduce the size of the fan coil to a minimum, without sacrificing efficiency and aesthetics.

Recommended accessories for optimal operation:

Available commands:



Remote control
panel
built-in

Control panel
BASE on-board

TOP on-board
control panel

TOP wall
control panel

Other accessories:



Feet Kit



2-way and 3-way valve kit

MODEL		6BS	11BS	17BS	23BS	32BS
Code		20116265	20116267	20116271	20116272	20116273
Output in cooling (1)	W	560	1040	1640	2310	3140
Output in heating (2)	W	780	1570	2380	3250	3910
Water flow rate (2)	l / h	95	179	281	397	539
Supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Max air flow (3)	m³/h	140	250	390	540	600
Sound pressure (3)	dB(A)	38,8	39,5	41,4	41,6	42,6
Dimensions	mm	770x379x129	970x379x129	1170x379x129	1370x379x129	1570x379x129
Net weight	kg	12	14	16	19	23

(1) Water 12/7°C – Ambient air 27°C d.b.

(2) Water 50/x°C – Ambient air 20°C db.

(3) COMFORT setting



Compact design with a depth of 130 mm and a height of just 379 mm



Facilitated management thanks to LCD display (optional)



A single terminal for cooling and heating operation



Night function

INVISIBLE AND EFFECTIVE



INVISIBLE CEILING INVISIBLE INVERTER

The INVISIBLE models are the offers dedicated to recessed installations, complete with template for installation in the wall or ceiling, depending on the system requirements.

Recommended accessories for optimal operation:

Available commands:



Panel
remote control
built-in



Panel
command
wall mounted TOP

Other accessories:



2-way and 3-way valve kit

Model		11	21	33	40	46
Variant 1 Front panel and grille code (*)		20116418	20116419	20116420	20116421	20116423
Variant 2 Ceiling panel and grille code (*)		20116425	20116426	20116427	20116428	20116429
Output in cooling (1)	W	830	1760	2650	3340	3800
Output in heating (2)	W	1090	2350	3190	4100	4860
Water flow rate (2)	l/h	143	303	456	574	654
Supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Max air flow (3)	m³/h	162	320	461	576	648
Sound pressure (3)	dB(A)	39,4	40,2	42,2	42,5	43,9
Dimensions	mm	770x750x152	970x750x153	1170x750x154	1370x750x155	1570x750x156
Net weight	kg	9	12	15	18	21

(*) to be added to the panel code, depending on the size: the built-in unit, the fan coil and any delivery channel; refer to the catalog list

(1) Water 12/7°C - Ambient air 27°C d.b.

(2) Water 50/x°C - Ambient air 20°C d.b.

(3) COMFORT setting

The Invisible Inverter model is also available in the plus version; consult the catalog list



Built-in unit suitable for
walls with reduced depth



Facilitated management
thanks to LCD display
(optional)



A single terminal for cooling
and heating operation



Night function

VERSATILE AND FLEXIBLE



IN INVERTER

The IN INVERTER model is the offer dedicated to recessed installations, to rationalize spaces according to modern interior architecture criteria.

Recommended accessories for optimal operation:

Available commands:



Panel
remote control
built-in



Panel
command
wall mounted TOP

Other accessories:



2-way and 3-way valve kit

MODEL		11	21	33	40	46
Code		20069349	20069370	20069371	20069372	20069373
Output in cooling (1)	W	830	1760	2650	3340	3800
Output in heating (2)	W	1090	2350	3190	4100	4860
Water flow rate (2)	l/h	143	303	456	574	654
Supply	V-Ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Max air flow (3)	m³/h	162	320	461	576	648
Sound pressure (3)	dB(A)	39,4	40,2	42,2	42,5	43,9
Dimensions	mm	525x576x126	725x576x126	925x576x126	1125x576x126	1325x576x126
Net weight	kg	9	12	15	18	21

(1) Water 12/7°C – Ambient air 27°C d.b.

(2) Water 50/x°C – Ambient air 20°C db.

(3) COMFORT setting

The In Inverter model is also available in the PLUS version; consult the catalog list



Built-in unit suitable for
walls with reduced depth



Facilitated management
thanks to LCD display
(optional)



A single terminal for cooling
and heating operation



Night function

A CONTROL FOR EVERY NEED



REMOTE CONTROL PANEL BUILT-IN

Control suitable for built-in installation on box 503.



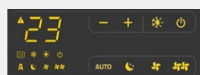
TOP ON-BOARD CONTROL PANEL: ADVANCED, WITH TOUCH LCD

On-board control electronic TOUCH LCD with continuous modulation and possibility of communication with ModBus RTU protocol. The control makes completely autonomous room temperature control through AUTO, QUIET, NIGHT and MAX programs by means of a probe located at the bottom of the unit.

MAIN FUNCTIONS OF THE CONTROLS

	ON BOARD	WALL	BUTTONS	TOUCH LCD	TEMPERATURE PROBE	CONSENT BOILER/CHILLER	STAND-BY CONTACT	AUTOMATIC	SPEED. MINIMUM	SPEED. AVERAGE	SPEED. MAXIMUM	NIGHT	CHECK PROPORTIONAL	CHECK RTU MODBUS
 CONTROL PANEL ON-BOARD TOP	●			●	●	●	●	●	●		●	●	●	●
 CONTROL PANEL ON-BOARD BASE	●		●		●				●	●	●	●		
 CONTROL PANEL TOP ON- WALL *		●		●	●	●	●	●	●		●	●		●
 REMOTE CONTROL PANEL RECESSED				●	●				●	●	●			

* to be combined with the electronic board for TOP wall control (code 20181395)



BASE ON-BOARD CONTROL PANEL: ESSENTIAL, WITH TOUCH LCD

TOUCH LCD type control on board the machine, amber colour, which allows the following operations: ON/OFF, room temperature setting from 5 to 40°C, summer/winter selection, fan control with water temperature sensor. It also allows you to adjust ventilation according to the following operating modes: AUTO, NIGHT, MIN and MAX.



TOP WALL CONTROL PANEL, WITH TOUCH LCD

TOUCH LCD electronic wall control panel, with room probe and possibility of communication with ModBus RTU protocol. The panel allows you to control the room temperature via the temperature sensor it is equipped with or via the temperature sensor on the machine.

MATCHING CONTROLS

VISIBLE SOLUTIONS FOR AN EXCLUSIVE AESTHETIC

BUILT-IN SOLUTIONS FOR FREEDOM IN DESIGN



Design
Inverter Wall



Design
Inverter Plus



Design
Inverter



Design
S Inverter



Invisible
Inverter
Ceiling



Invisible
Inverter



IN
Inverter



CONTROL
PANEL
ON BOARD TOP
20181365



CONTROL
PANEL
ON-BOARD
BASE
20116484



CONTROL
PANEL
WALL TOP
20181383



REMOTE
CONTROL
PANEL
RECESSED
20147241



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