



..2.0
two holes,
no outdoor
units



**Design should not
beautify but simplify.
We did it.**







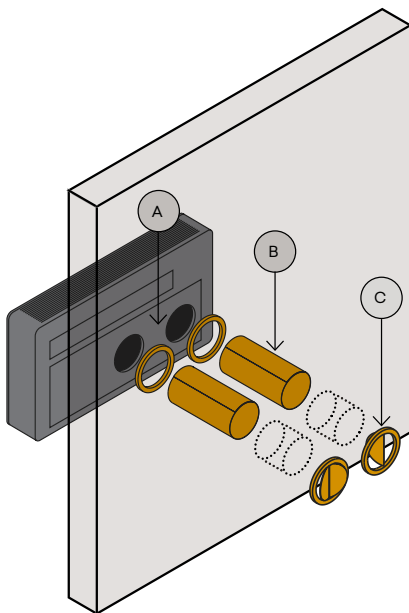






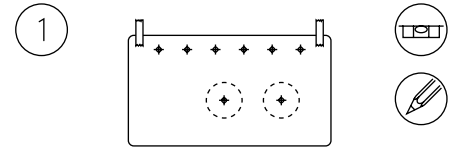
A significant step forward to the further reduction of outdoor impact of air- conditioning systems.

Too often, air-conditioning means to install condensing units (bulky and ugly) on the outdoor of the buildings. Now, INNOVA presents “..2.0”, a new approach to air-conditioning without outdoor unit that dramatically improves the state of the art of “monoblock” technology.

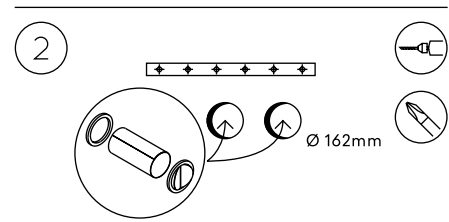


- A** Unit to be installed on the wall.
- B** Plastic protection sleeves and flanges.
- C** Outdoor self foldable grills.

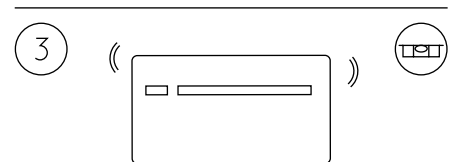
Easy installation



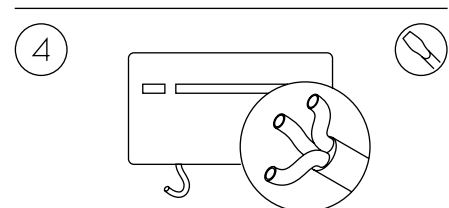
Stick the template to the wall and mark the positions for screws and holes centring.



Fix the supporting bracket to the wall and install the outdoor grills, the protection plastic sleeves, the indoor flanges in the holes.



Mount the unit on the wall bracket checking the correct alignment.



Install electrical connections and condensate drain for that pump functioning.

Maximum flexibility, perfect in any environment.

The product range, now even more complete, has the right product for any type of installation: high on the wall, or low on the floor, or close to a corner or by a door window... just have a perimetral wall and “..2.0” will find its place to stay.

Control mode



Integrated touch-screen



Remote touch-screen (optional)

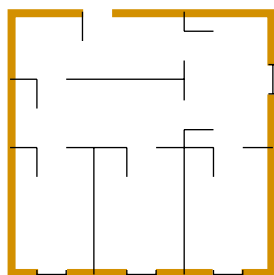


Remote control

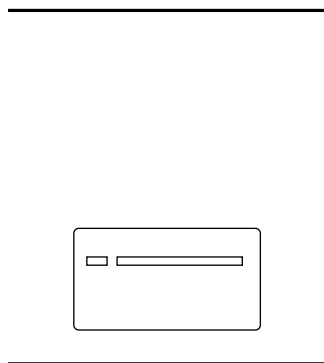


iOS or Android APP

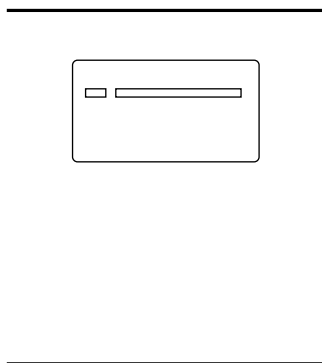
Perimetral installation



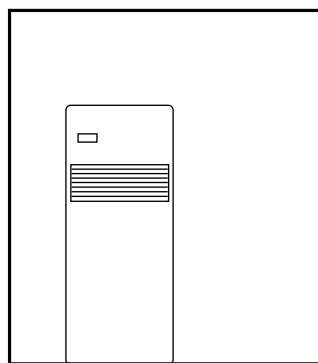
Low wall



High wall



On the side



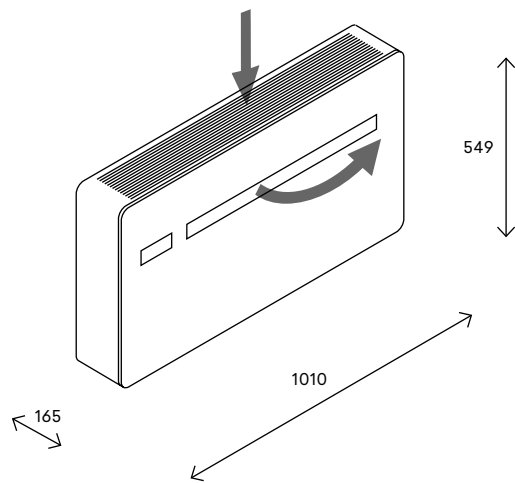
Note. to be provided with the aesthetic kit lower side cover, accessory GB07377II



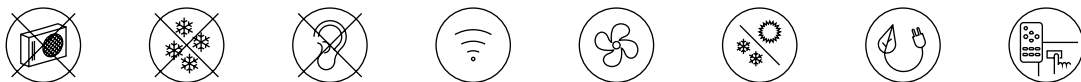
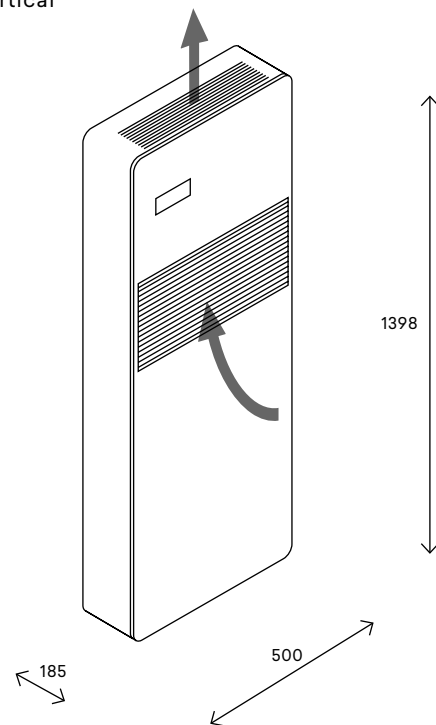
Shape and function, perfectly tuned.

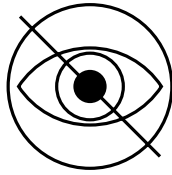
The minimum depth, the right colour, the perfectly smooth surface, the full metal body... the product has been designed to perfectly integrate in any domestic dwelling, delivering excellent performances and, at the same time... fading... in both designs, horizontal and vertical, “..2.0” has been made to perfectly match and tune forms to functions, into an unique body.

..2.0



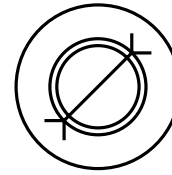
..2.0 Vertical





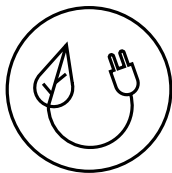
ALMOST INVISIBLE, OUTDOOR AND INDOOR

With only 16 cm depth, “..2.0” is extremely slim and not invasive. The impact is minimized, indoor and outdoor.



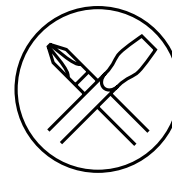
162mm HOLES

Essential both for design and installation: easier to find drilling tools, no need of professional drilling machines, further reduced outdoor impact.



DC INVERTER E DUAL POWER: OPTIMIZED CAPACITIES, REDUCED CONSUMPTION

Thanks to DC Inverter technology, capacities are optimised so to have the best comfort with the lowest power consumption and noise. Thanks to Dual Power it is possible to select the highest capacity so to reach the requested temperature as soon as possible. Once reached the set temperature, “..2.0” will automatically set the comfort function.



EASY TO INSTALL

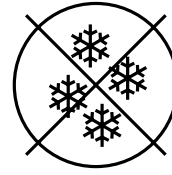
All installation accessories (template, supporting bracket, outdoor grills, insulating wall pipes) are contained in the carton box.





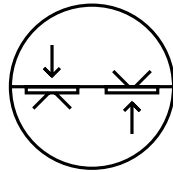
“COOLING ONLY” AND “HEAT PUMP” IN THE SAME VERSION

“..2.0” a in heat pump , with condensate drain pipe. The “heat function” can be easily deactivated and the unit will perform in “cooling only” with no need of condensate drain.



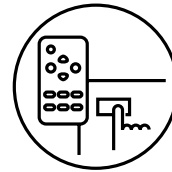
NO FROST SYSTEM

The drain pan is constantly warmed up so to avoid any risk of icing of condensate drain during winter time, in heat pump mode.



SELF FOLDABLE OUTDOOR GRILLS

“..2.0” has self foldable grills that open when the unit is working and close when it is off. Grills are activated by in and out airflow. The outdoor impact is further reduced, no intrusion of dust, noise and insects... and less after sales service.



CONTROL BOTH REMOTE AND ON BOARD

Besides the remote control, the on board control permit to set any possible function, including a “lock” position so to avoid improper use. An APP permits the management of the unit from remote position, through WIFI.

1

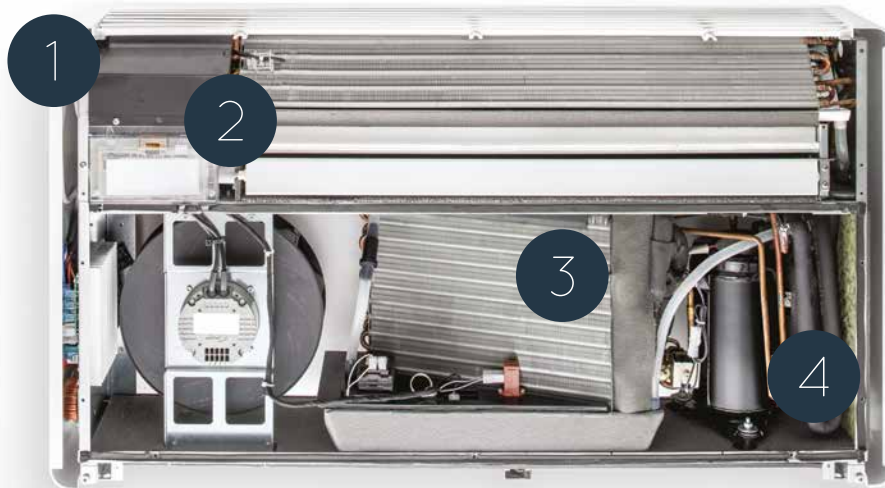
FULL METAL BODY

The body of "2.0" is now completely in metal, as all plastic has been eliminated. Strong and robust, "2.0" is now even more solid and consistent.

2

DISPLAY TOUCH SCREEN + WIFI RECEIVER

The wide control panel permits the selection of any functioning parameter straight on board – and also houses the communication through WIFI.



3

HIGH EFFICIENCY CONDENSING BATTERY

The condensing battery is at high efficiency, integrating the evaporative effect of condensate – for an even further enhanced performance.

4

HYPER-COMPACT DESIGN

An hyper-compact body includes all what is necessary for the perfect functioning of the unit, thanks to an extremely careful design made with the focus to reduce the dimensions of each component ensuring its perfect functioning.

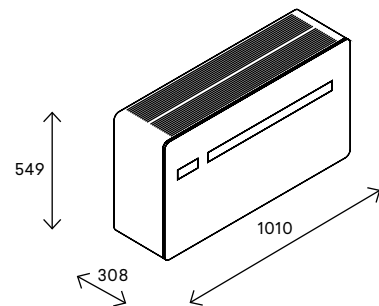
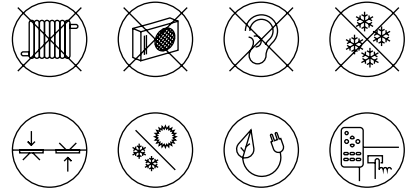


..2.0 + FCU with integrated fancoil

With “..2.0 + FCU”, one single body integrates both an air-conditioning system for summer cooling and winter heating, and a fancoil for winter heating with hot plant water. It is now possible to replace a standard radiator, with the advantage to have now the perfect comfort both in summer and in winter.

To install “..2.0 + FCU” is extremely easy: once the old radiator is removed, the existing niche is occupied by “..2.0 + FCU” thanks to two holes in the wall and some simple connections to the existing hot water pipes. In winter time, heating is supplied by the heat pump functioning mode; when outdoor temperatures decrease, “..2.0 + FCU” automatically integrates heat pump functioning with fancoil, so to maintain the set temperature. In case external temperatures become particularly low, heating with fancoil only can be set.

> ..2.0 + FCU



A ..2.0

B Fancoil



..2.0 ELEC with integrated electrical heater

As all heat pumps, “..2.0” has lowering performances in heating when outdoor temperature is falling.

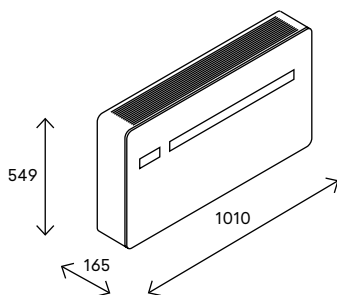
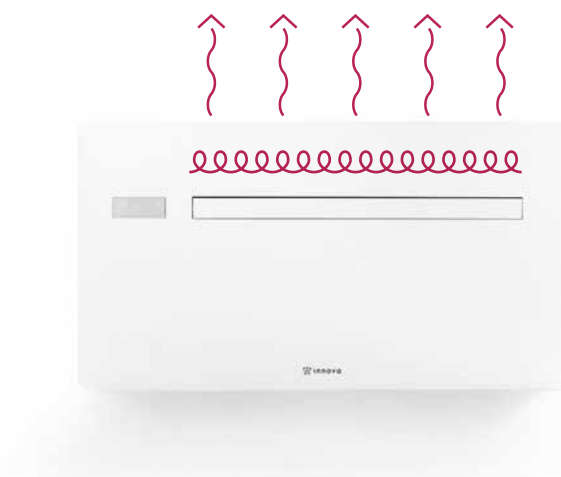
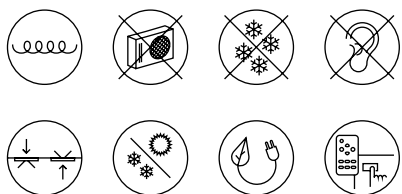
Sometimes a strong request is to have a consistent heating capacity also with extremely low outdoor temperatures.

“..2.0 ELEC” integrates (and not replaces) the heat pump with a 900 W electrical heater that intervenes automatically when outdoor temperatures become extremely low.

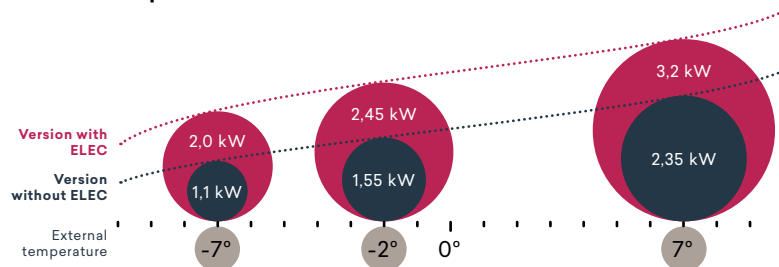
Because of this, “..2.0 ELEC” can deliver a heating capacity of at least 2 kW even with outdoor temperatures down to -7°C , with an energy absorption of 900 W that is extremely low and fully compatible with standard domestic power supplies.

“..2.0 ELEC” can be considered a complete heating system even with severe outdoor temperatures.

> ..2.0 ELEC



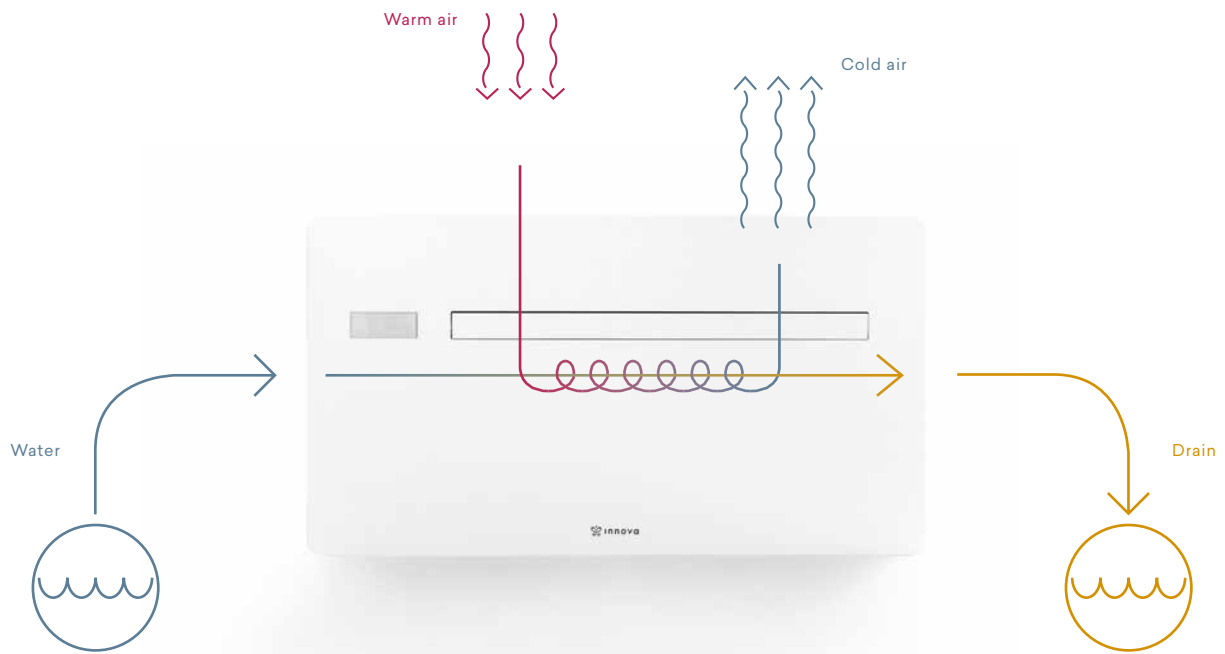
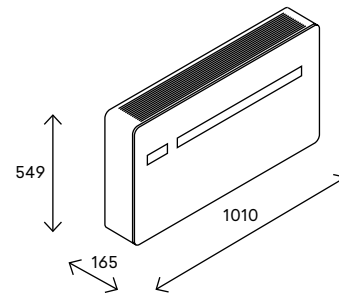
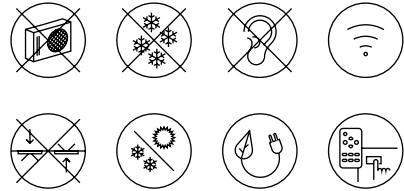
Power comparison



..2.0 H2O WATER - AIR

A nice and compact body, to be installed without the need of drilling any hole in the wall, connected to a water source (well, mains or water ring), permits to have perfect climate in every season. Thanks to this functioning principle, thermal capacities are pretty high independently from outdoor temperatures.

> ..2.0 H2O WATER - AIR



Side installation kit

Air-conditioner without outdoor condensing unit are always installed on a perimeter wall, so to exchange air with the outside.

Sometimes this is not possible, as the “outside” is lateral with respect to the wall hosting the unit. With this kit, to be built into the wall, the airflow is deviated laterally: therefore it is possible to install “..2.0” on the wall with side air exit. This allows many new and unexpected possibilities to install “..2.0”!

Codes

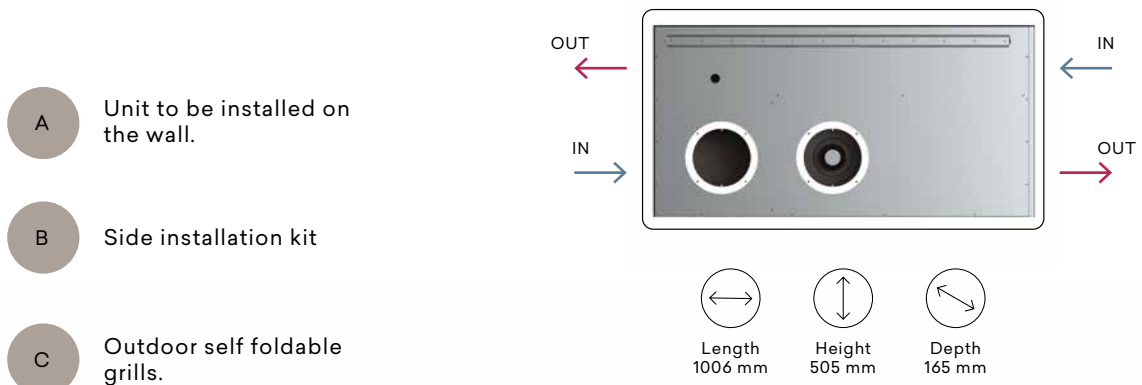
L00771II

for ..2.0 horizontal / exits to the Right

L00772II

per ..2.0 horizontal / exits to the Left

Compatible with DC Inverter versions only.

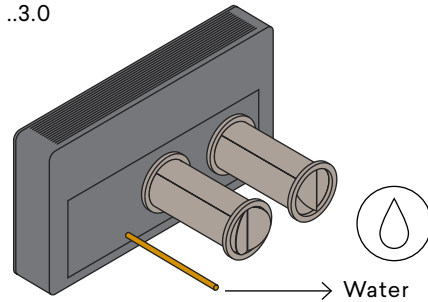


..3.0

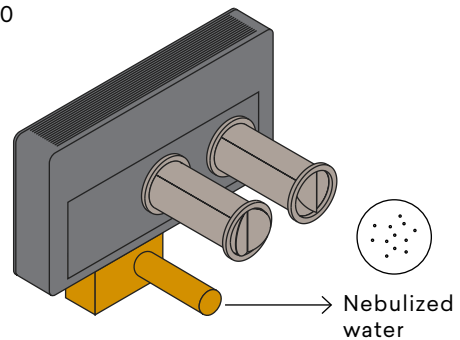
Condensate nebulizer

To dissipate the condensate expelled by air conditioning systems sometimes is a problem. With “..2.0” in winter functioning, condensate is brought through a drain pipe to the outdoor. When placing such pipe on the outdoor is a problem, the best solution is “..3.0”. Water condensate is brought into “..3.0” and atomized by an innovative system using piezoelectric cells, and afterwards expelled by a microfan. “..3.0” must be installed below “..2.0” with an extra 80mm hole in the wall.

Without ..3.0



With ..3.0



TECHNICAL DATA

Dimensions (LxDxH)	378 x 140 x 232 mm
Weight	4,8 kg
Atomizer Capacity	2 L/h
Colour	white RAL 9003
Inlet	16 mm hole on top cover
Outlet	80 mm hole on the back side
Consumption	Max 220 W
Power	230 V
Main components	10 cells piezoelectric atomizer Fan to discharge condensate steam 230V-48V power supply Floater Steel Tank

Codes

COVA00102II

for all ..2.0 models



Accessories.

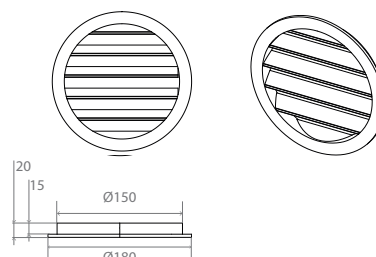
Kit of external grids with fixed fins.

Description

Accessory supplied on request, as an alternative to the folding grills provided. The grids with fixed fins are in aluminium. They are preferred for aesthetic reason or for painting needs.

Codes

GB0738II for ..2.0 horizontal / vertical and ..2.0+FCU



Rain protection kit.

Description

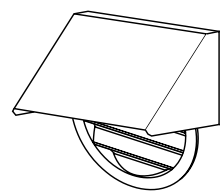
Top cover of holes for installation of the ..2.0 on walls exposed to rain and wind. Accessory supplied on request and applicable on external grids with fixed fins. The supply includes 2 covers, one for each grill. RAL 9003 white colour.

Function

The accessory, positioned in the upper part of the grilles, protects the hole from bad weather.

Codes

GB0739II for ..2.0 horizontal / vertical and ..2.0+FCU



Insect protection kit.

Description

Kit consisting of:

- 2 metal mesh discs
- 2 grids in metal wire
- fixing screws and plugs

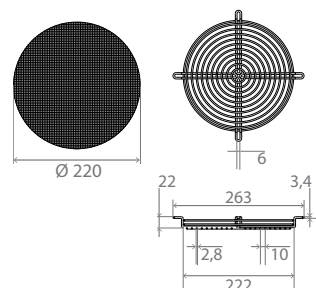
Accessory supplied on request and applicable on external grilles with fixed fins.

Function

The accessory, installed above the grilles, further protects the holes avoiding the possible entry of insects or small materials.

Codes

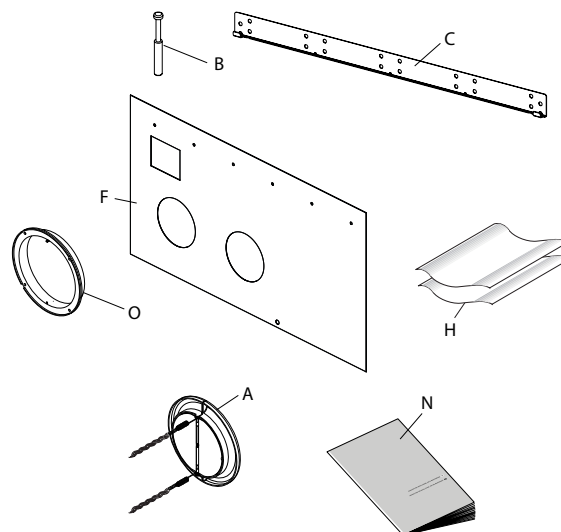
GB0755II for ..2.0 horizontal / vertical and ..2.0+FCU



Pre-installation kit ..2.0.**Description**

Kit consisting of:

- 2 external grilles for air inlet and outlet including springs and chains (A)
- 6 crews and dowels kit (B)
- Wall fixing bracket (C)
- Paper template for drilling holes (F)
- 2 plastic sheet for surface finish of the wall holes (H)
- Installation manual (N)
- Counter-flange for internal wall (O)

**Function**

This kit is used to prepare the space and holes for the future installation of the ..2.0. All components of this accessory are still included in the box at the time of purchase.

Codes

GB0671II for ..2.0 horizontal

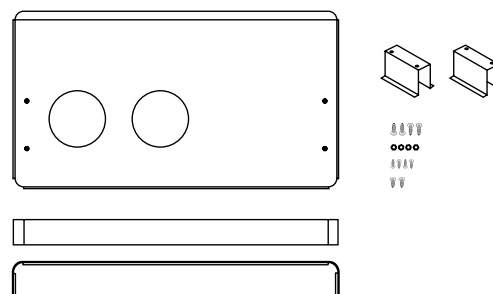
Kit for installation on glass walls.**Descrizione**

Kit consisting of:

- 1 aesthetic back cover, white colour RAL 9003
- 2 floor fixing bracket for ..2.0
- 1 front cover base RAL 9003 colour
- Screws and nuts

Function

The accessory has an aesthetic function in installation where the back of the ..2.0 is visible. For example when it is placed behind a display cabinet.

**Codes**

GB0740II for ..2.0 horizontal

GB0742II for ..2.0 H2O

Aesthetic kit lower side cover ..2.0.

Description

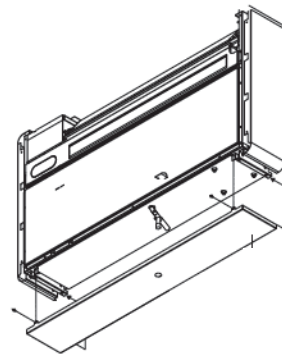
The lower side cover is made of painted galvanized sheet of the same colour as the ..2.0.

Function

The accessory has an aesthetic function in installation where the lower part of the unit is visible. For example for the top installation.

Codes

GB0737II for ..2.0 horizontal



Modulating water valve.

Description

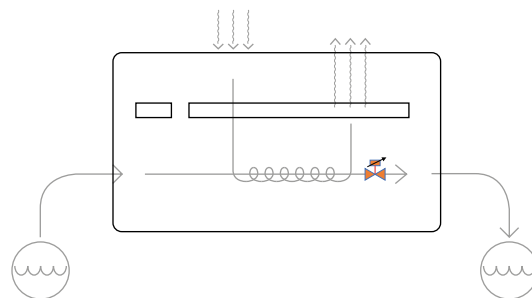
The modulating valve reduces the consumption of the water used and extends the operating range for domestic hot water.

Function

The valve controls the water flow rate according to its inlet temperature. Example: if in cooling mode the water temperature is $<20^{\circ}\text{C}$, the valve reduces the flow rate to obtain an outlet temperature (35°C) which allows to have a correct condensation temperature. In heating mode, if the water temperature is too hot, the valve reduces the flow rate to obtain an outlet temperature of 7°C .

Codes

GB1018II per ..2.0 H2O



Kit "Fresh Air" with heat recovery.

Description

Kit consisting of:

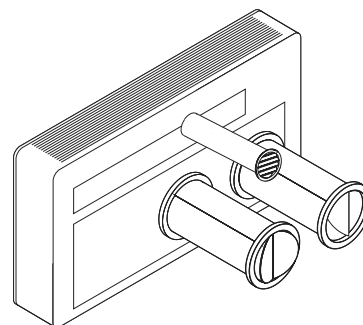
- 1 Heat Recovery Ventilation
- 1 electrical box to be positioned inside the ..2.0

Function

The kit allows to incorporate the heat recovery ventilation in the air-conditioning, reducing everything in a single space. The renewal air flow is $24\text{ m}^3/\text{h}$ with alternating flow. The hole diameter of the "Fresh Air" kit is 106 mm.

Codes

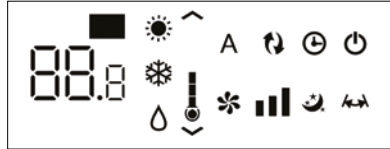
GR0765II for ..2.0 horizontal e ..2.0 H2O



Electronic controllers for ..2.0

Touch screen display.

Supplied as standard on board.



INTERFACE:

- Touch interface
- Modulating speed



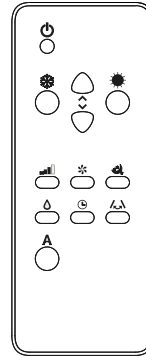
WiFi connection in
DC Inverter versions

FUNCTION:

- All mode settings, temperature and special functions
- Different operating modes:
cooling only, dehumidification only, ventilation
only, heating only

Remote control.

Supplied as standard.



- Possibility to control the airflow direction
- Night well-being key
- Fan speed control
- Timer function setting

Remotization of the touch screen display

Wall installation with cable length max.
3 meters.

INTERFACE:

- Touch interface
- Modulating speed



cod:
EM0756II

FUNCTION:

- All mode settings,
temperature and special
functions



WiFi connection in
DC Inverter versions

Smart Touch wall control.

- Touch interface
- Modulating speed



cod:
ECA031II



cod:
ECB031II

Simplified control with basic command
and unit setting functions

- Seasonal setting
- Temperature set point
- Ventilation speed

Note. Not available for 2.0+FCU and with 3.0 option

TECHNICAL DATA

MODELLO / MODEL		HORIZONTAL					VERTICAL	
		INVERTER			INVERTER + ELEC	H2O	INVERTER	
		8 HP	10 HP	12 HP	12 HP	15 HP	10 HP	12 HP
Cooling capacity (1)	kW	1,65	2,04	2,35	2,35	2,96 (6)	2,04	2,35
Maximum Cooling Capacity - Dual Power	kW	-	2,64	3,10	3,10	3,60	2,60	3,11
Minimum cooling capacity	kW	-	0,83	0,92	0,92	1,30	0,81	0,92
Heating capacity (2)	kW	1,70	2,10	2,36	2,36	3,10 (7)	2,10	2,36
Heating capacity -7 °C	kW	0,79	0,98	1,11	1,11	-	0,98	1,11
Power of electrical heater	kW	-	-	-	1,00	-	-	-
Maximum Heating Capacity / Dual Power	kW	-	2,64	3,05	3,05	3,84	2,64	3,05
Minimum heating capacity	kW	-	0,71	0,79	0,79	1,40	0,68	0,79
Power input in cooling (1)	W	580	630	730	730	730 (6)	750	855
Power input in heating (2)	W	545	638	720	720	720 (7)	675	750
Dehumidification capacity	L/h	0,7	0,8	0,9	0,9	1,3	0,8	0,9
Power supply	V-F-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
EER	W/W	2,84	3,24	3,22	3,22	4,05	2,72	2,75
COP	W/W	3,12	3,29	3,28	3,28	4,31	3,10	3,15
Energy efficiency in cooling (3)		A	A+	A+	A+	-	A	A
Energy efficiency in heating (3)		A	A	A	A	-	A	A
Fan speeds in/out	Nr.	3	3	3	3	3	3	3
Air flow max in/out	m³/h	360/430	380/460	400/480	400/480	400 (8)	380/460	400/480
Air flow middle in/out	m³/h	300/360	310/380	320/390	320/390	320 (8)	310/380	320/390
Air flow min. in/out	m³/h	240/320	260/330	270/340	270/340	270 (8)	260/330	270/340
Dimensions (WxHxD)	mm	L 1010 A 549 P 165	L 1010 A 549 P 165	L 1010 A 549 P 165	L 1010 A 549 P 165	L 1010 A 549 P 165	L 500 A 1398 P 185	L 500 A 1398 P 185
Weight	kg	47,6	48,5	48,5	48,5	49,5	53,0	53,0
Noise level min. (4)	dB (A)	29	26	27	27	27	28	29
Noise level max (4)	dB (A)	38	39	41	41	41	41	43
Indoor noise power (5)	dB (A)	57	57	58	58	54	57	58
Indoor noise power at low speed (5)	dB (A)	44	44	45	45	42	44	45
Diameter of wall holes	mm	162	162	162	162	-	162	162
Interaxis distance of wall holes	mm	293	293	293	293	-	293	293
Refrigerant gas		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Water flowrate max.	L/h	-	-	-	-	620	-	-
Hydraulic connections		-	-	-	-	3/4 EK	-	-

OPTION WITH FCU

FCU heating capacity (70 °C)	kW	1,9	1,9	1,9	-	-	-	-
Water flow rate (70 °C)	L/h	364	364	364	-	-	-	-
Water pressure loss (70 °C)	KPa	10	10	10	-	-	-	-
Hydraulic connections	"	3/4 EK	3/4 EK	3/4 EK	-	-	-	-
Dimensions with FCU (WxHxD)	mm	L 1010 A 549 P 308	L 1010 A 549 P 308	L 1010 A 549 P 308	-	-	-	-

Max work conditions

Min. Temp. cooling (in/out, DB)	Ambient T 18 °C / Outdoor T -5 °C
Max Temp. cooling (in/out, DB)	Ambient T 32 °C / Outdoor T 43 °C
Min. Temp. heating (in/out, DB)	Ambient T 5 °C / Outdoor T -10 °C
Max Temp. heating (in/out, DB)	Ambient T 25 °C / Outdoor T 18 °C

Testing criteria

(1) Checks in Cooling
(2) Checks in Heating
(3) Checks in Heating
(6) Checks in Cooling
(7) Checks in Heating

Ambient temperature in

DB 27 °C - WB 19 °C
DB 20 °C - WB 15 °C
DB 20 °C - WB 15 °C
DB 27 °C - WB 19 °C
DB 20 °C - WB 15 °C

Outdoor temperature out

DB 35 °C - WB 24 °C
DB 7 °C - WB 6 °C
DB -7 °C - WB -8 °C
Water in 30 °C ΔT 5K
Water in 15 °C ΔT 5K

(1) (2) Standard reference EN 14511

(3) Energy Efficiency according to Directive 626/2011

(4) Indoor sound pressure measured in semi anecoic room at 2 meter

(5) Indoor sound power according to standard EN12102

(8) Reference only to the inside for ..2.0 H2O

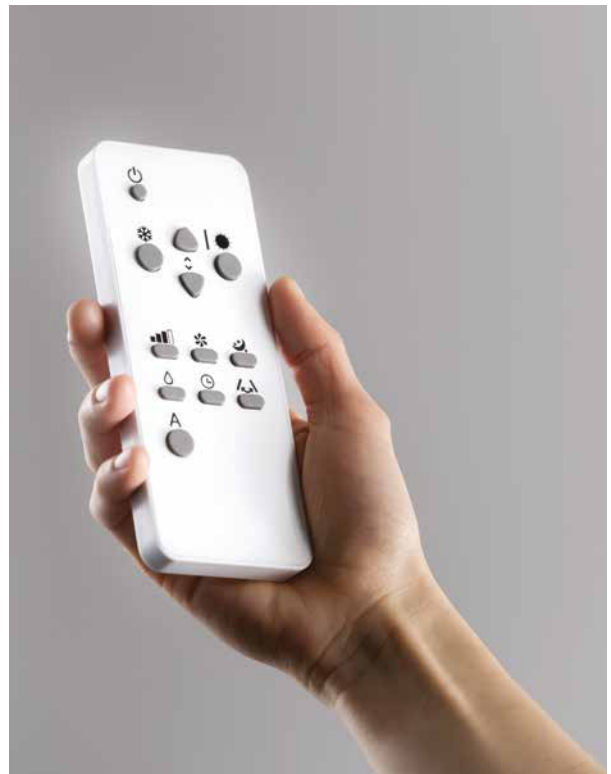
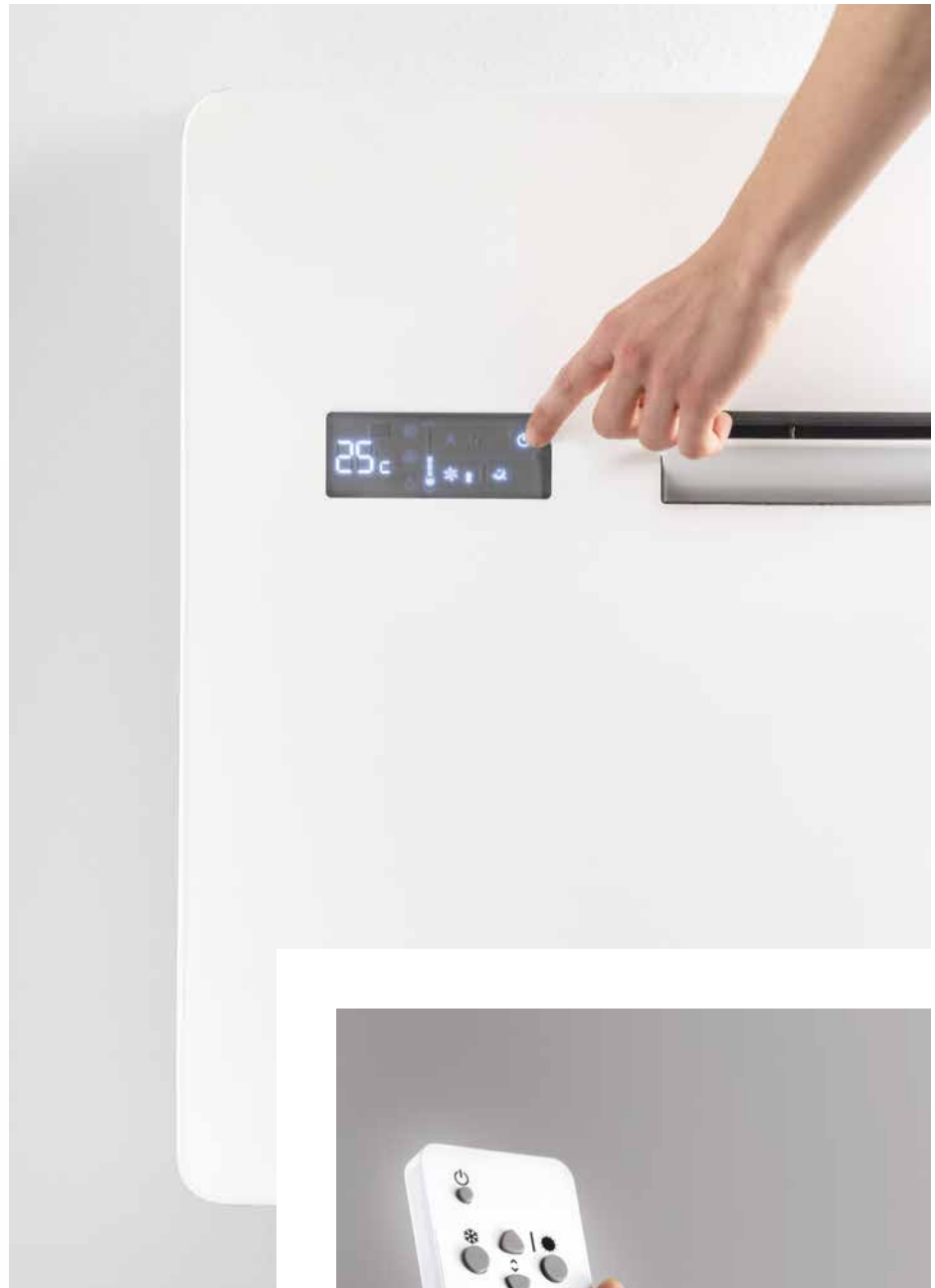
Note: for the sizing of the units in heat pump operation, consider the performance at the winter outdoor temperature of the design of the reference location with the appropriate margins for system start-up.











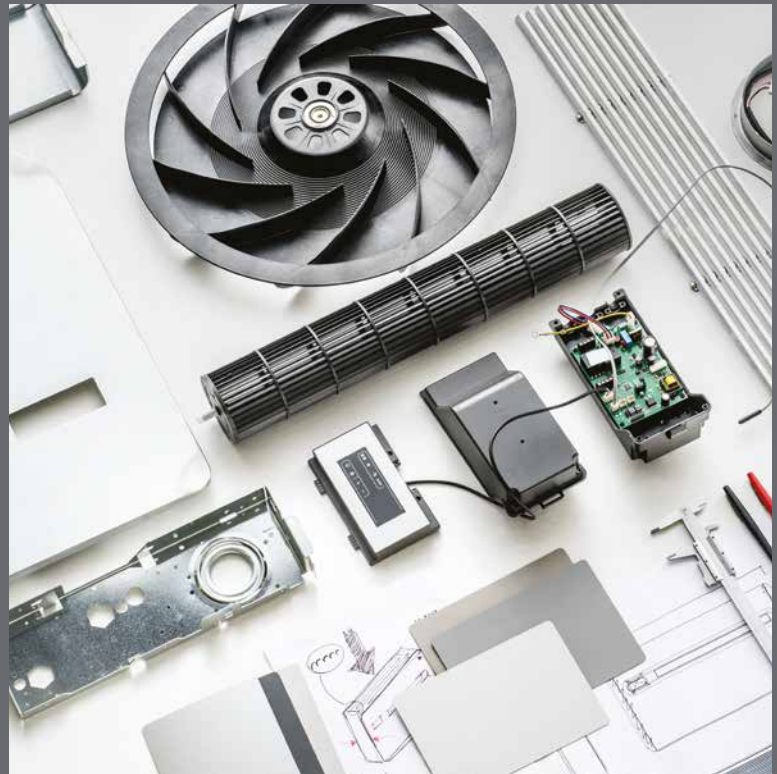




CREDITS

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With our hands
we turn dreams
into reality.





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Edition 2019/1