

1x1 INVERTER WALL SPLIT MUPR-H10X Series

MUNDOCLIMA®
SUPER DC INVERTER

- Save even more installation and maintenance time!
- Disassemble the indoor unit in less than 1 minute, 1 screw only! ⁽²⁾
- High efficiency
- At the same time it takes care of people's health thanks to the air purification function by **Ionizer**



Gas
R32
More
Eco-friendly

works with
amazon alexa

works with the
Google Assistant ⁽³⁾

SEER
A+++

SCOP
A+++ (5)



DESIGNED BY AND
FOR THE INSTALLER
*You've never seen anything
like that*



RG10A1 (F2S)/BGEF
Included
(CL 97 807)

OPTIONALS

More information on optionals in "CONTROL SYSTEMS"

Wired remote control



KJR-29B1/BK-E⁽⁴⁾
(CL 92 869)

Wired remote control with WIFI



KJR-120N(X4W)/BGEF⁽¹⁾
(CL 09 211)



KJR-120P(X6W)/EF⁽¹⁾
(CL 09 214)



CCM180A/WS
(CL 97 800)



CCM270B/WS
(CL 97 802)



CCM30/BKE
(CL 92 871)



CCM15
(CL 97 804)

Centralized controller⁽¹⁾



MD-AC-MBS
(CL 99 097 /
CL 99 114-116)



MD-AC-KNX
(CL 94 792 /
CL 99 094-095)



INBACMID
(CL 99 222/
CL 99 210)



MUNDOCLIMA
EU-OSK-105
(CL 09 001)

WIFI



H10X Multifunction module
(Mod. 09/12/18: CL 97 808,
Mod. 24: CL 97 809)



JC-02
(CL 94 724)



M-CHECK
(CL 09 410)

Accessories

⁽¹⁾ H10X multifunction module required.

⁽²⁾ To disassemble the lower part it is only necessary to remove one screw (the unit has more).

⁽³⁾ WIFI module (CL 09 001) required.

⁽⁴⁾ Connecting cable (CL 98 442) required.

⁽⁵⁾ SCOP A++ in medium climate zone, except model 24, please see specifications table.

MUPR-H10X Series WALL SPLIT

MUNDCLIMA®
SUPER DC INVERTER
MORE AIR, MORE EFFICIENT... FRESHER, PURER

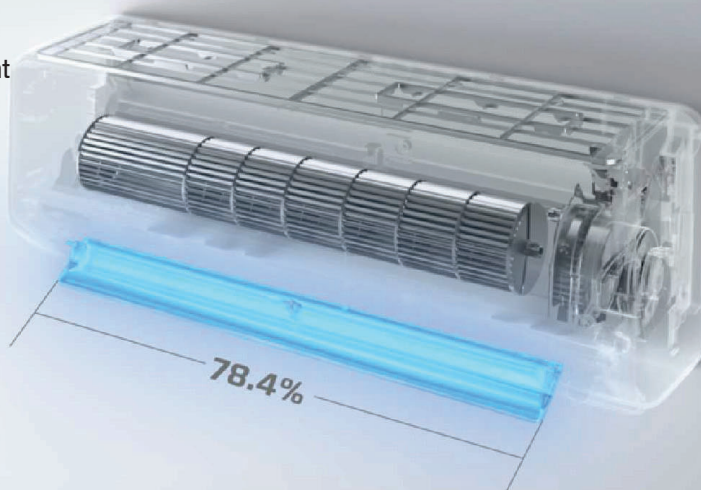
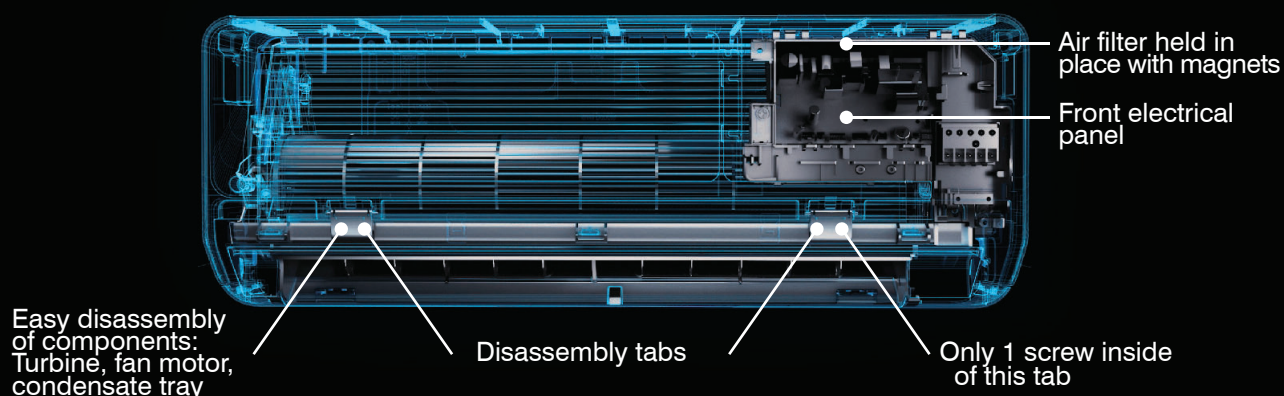
78.4% Air outlet
Length Equipment

MORE EFFICIENCY

Thanks to the front position of the electrical panel, the air inlet and outlet space is increased, thus the H10X series provides a superior performance.

FRESH AIR (ION)


It incorporates an ionizer to generate OH(-) and thus purify the air by deactivating bacteria, viruses and other pathogens, providing a very pleasant feeling of freshness.


MINIMIZES THE MOST COMMON JOBS


**SERIE H10X
vs OTHERS**

41%

Faster
installation

86%

Faster
maintenance

76%

Faster
PCB
replacement

= **1/5** of the time with the new MUPR-H10X compared to a conventional air conditioner

DISASSEMBLE THE EQUIPMENT BY REMOVING ONLY 1 SCREW⁽²⁾

1 vs 7-8

Screw

or more



⁽²⁾To disassemble the lower part it is only necessary to remove one screw (the unit has more).

MUPR-H10X Series WALL SPLIT



■ IT FACILITATES ALL WORK

INDOOR UNIT INSTALLATION

1 693s Conventional Indoor Unit = **1.7** 407s H10X Series **TIMES FASTER**



Temperature adjustment



Difficult electrical connection



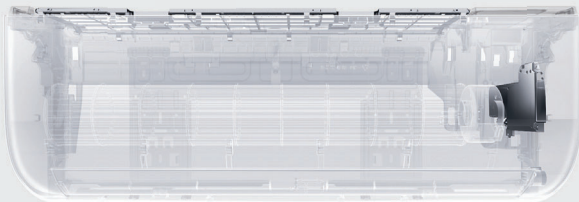
Small connection space



Large distance from the wall

PCB REPLACEMENT

1 Conventional Indoor Unit = **13.6** H10X Series **TIMES FASTER**



Disassembly 1172s | Mounting 1543s



Disassembly 72s | Mounting 1263s

DISASSEMBLY OF THE FAN MOTOR

1 1057s Conventional Indoor Unit = **14.7** 72s H10X Series **TIMES FASTER**



Open the front panel



Open the tabs and remove the bottom panel



Remove the screw



Open the electrical panel and disconnect the fan motor and the slats motor



Open the rear tabs and remove the entire ventilation train, including the condensate tray

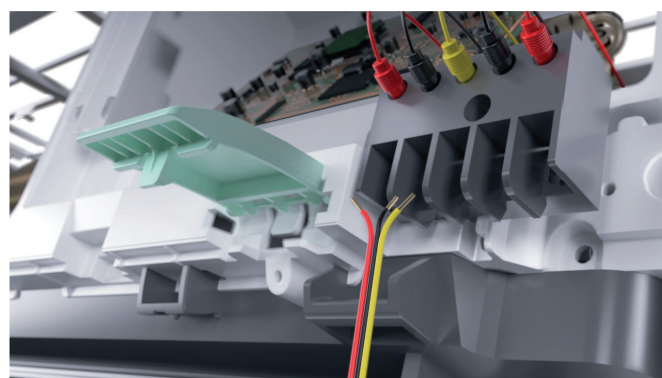
MUPR-H10X Series WALL SPLIT



■ EASY CONNECTION



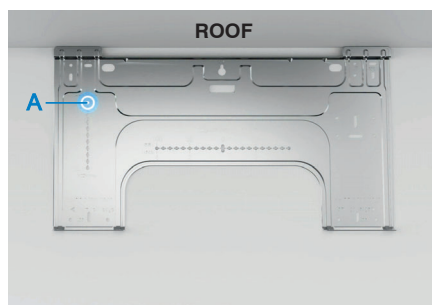
Wide **176 mm** space for the connection of the pipes



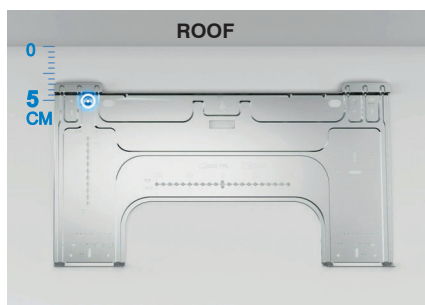
Easy-access front electrical panel, simply open the front panel. **Only 3 seconds**

■ EASY POSITIONING WITHOUT AUXILIARY TOOLS

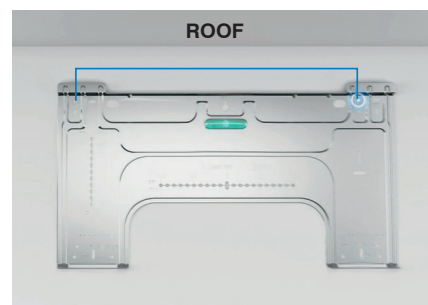
The mounting plate incorporates measuring range and spirit level. **Measure and mark the position of the equipment with only the mounting plate.**



1st STEP: Place the plate against the ceiling, mark point A according to the desired height



2nd STEP: Move the plate down until the fixation hole is on point A



3rd STEP: Locate the fixation Point on the other side with the help of the spirit level

■ INSTALLATION FLEXIBILITY



Possibility to install at a distance of only **5 cm** from the ceiling

■ EASY TO CLEAN

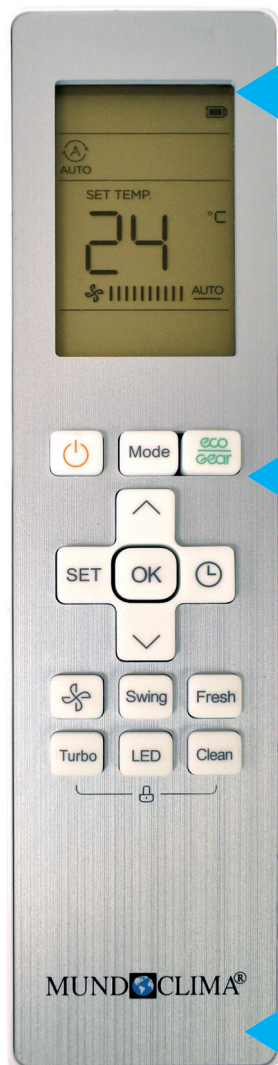


It is not necessary to open the front panel to access the air filter. Thanks to 6 magnets in the filter, it can be disassembled and reassembled with a single smooth "click"

MUPR-H10X Series WALL SPLIT



■ PREMIUM MULTIFUNCTION REMOTE CONTROL



LARGE BACKLIT DISPLAY

The RG10 remote control has a large display to show all the functions of the new equipment, for example:

- Fan speed adjustment from 1% to 100% in 1% increments.
- Functions: "Breeze Away", "Sleep", "Follow me", "Clean", "Fresh", "Turbo", "LED", "Swing", "ECO", "Gear" and Timer.



MULTIPLE CONFIGURATIONS

It also allows the adjustment of different functions of the equipment.

Set the parameters as desired:

Function	Adjustment
Auto-restart function	Active/Inactive
Temperature Compensation	Adjust the value from 0 °C to 6 °C
Fan speed setting	Adjust fan speed as desired
Temperature range setting	Minimum cooling from 16 °C up to 24 °C Maximum heating from 30 °C up to 25 °C

and much more!

SAVE TIME IN MAINTENANCE

RG10A1(F2S)/BGEF
(CL 97 807)

Finally, the new remote control also allows you to check operating parameters.

Check the operating frequency or temperature of all sensors of the equipment in an easy manner through the indoor unit's display.



ENGINEERING MODE MANUAL

Download the engineering mode manual from this QR code and ...
discover all the possibilities!

MUPR-H10X Series WALL SPLIT



TECHNICAL SPECIFICATIONS

Model			MUPR-09-H10X	MUPR-12-H10X	MUPR-18-H10X	MUPR-24-H10X
Code			CL 20 030	CL 20 031	CL 20 032	CL 20 033
Cooling	Nominal capacity (min. ~ max.)	kW	2.73 (1.32 - 3.81)	3.52 (1.32 - 3.96)	5.28 (1.99 - 6.13)	7.03 (2.11 - 8.21)
	Rated consumption (min. - max.)	kW	0.60 (0.13 - 1.20)	0.88 (0.13 - 1.25)	1.31 (0.16 - 1.78)	1.76 (0.42 - 3.20)
	Pdesignc (design load)	kW	2.6	3.5	5.3	7.0
	SEER	W/W	8.6	8.5	8.5	8.5
	Energy labeling		A+++	A+++	A+++	A+++
Annual electricity consumption			106	144	220	288
Heating	Nominal capacity (min. ~ max.)	kW	3.14 (0.88 - 4.40)	3.96 (0.88 - 4.54)	5.57 (1.35 - 6.77)	7.33 (1.55 - 8.81)
	Rated consumption (min. - max.)	kW	0.69 (0.12 - 1.40)	0.99 (0.12 - 1.45)	1.50 (0.23 - 1.69)	1.97 (0.30 - 3.10)
	Average climate zone	Pdesignh	2.4	2.4	4.3	5.0
		SCOP	4.6	4.6	4.6	4.2
		Energy labeling	A++	A++	A++	A+
		Annual electricity consumption	730	730	1,309	1,666
	Warm climate zone	Tbiv	-7	-7	-7	-7
		Pdesignh	2.5	2.5	4.3	5.5
		SCOP	5.1	5.1	5.4	5.3
		Energy labeling	A+++	A+++	A+++	A+++
	Cold climate zone	Annual electricity consumption	686	686	1,117	1,453
		Tbiv	2	2	2	2
		Pdesignh	3.6	3.6	6.4	7.3
		SCOP	3.8	3.8	3.6	3.3
	Tol (Limited operating temperature)	Energy labeling	A	A	A	B
		Annual electricity consumption	1,989	1,997	3,733	4,659
		Tbiv	-10	-10	-10	-10
		Tol	-15	-15	-15	-15
Indoor unit	Model		MUPR-09-H10X-I	MUPR-12-H10X-I	MUPR-18-H10X-I	MUPR-24-H10X-I
	EAN Code		8432953041762	8432953041786	8432953042691	8432953042714
	Air flow rate (Turbo / High / Medium / Low)	m³/h	760 / 530 / 360 / 280	760 / 560 / 380 / 290	835 / 685 / 580 / 400	1540 / 1092 / 724 / 379
	Sound pressure (High / Medium / Low / Silence)	dB (A)	37 / 32 / 21.5 / 20	40 / 33 / 22 / 21	41 / 35 / 23 / 22	44.5 / 40 / 33 / 21
	Sound power (High)	dB (A)	58	59	59	65
	Dimensions (W x H x D)	mm	795 x 295 x 225	795 x 295 x 225	965 x 319 x 239	1140 x 370 x 275
	Weight	kg	10.2	10.2	12.3	20
Outdoor unit	Model		MUPR-09-H10X-E	MUPR-12-H10X-E	MUPR-18-H10X-E	MUPR-24-H10X-E
	EAN Code		8432953041779	8432953041793	8432953042684	8432953042707
	Air flow rate (max.)	m³/h	2,200	2,200	3,500	3,500
	Sound pressure (High)	dB (A)	57	57.5	56	58.5
	Sound power (High)	dB (A)	64	65	65	68
	Dimensions (W x H x D)	mm	805 x 554 x 330	805 x 554 x 330	890 x 673 x 342	890 x 673 x 342
Refrigerant	Weight	kg	28.4	28.4	38.8	48.8
	Type / PCA		R32 / 675			
	Load	kg / TCO ₂ eq	0.69 / 0.465	0.69 / 0.465	1.1 / 0.74	1.5 / 1.012
	Preload until	m	5	5	5	5
Connection pipes	Additional load (from 5 m)	g/m	12	12	12	24
	Liquid	mm (inch)	Ø 6.35 (1/4")	Ø 6.35 (1/4")	Ø 6.35 (1/4")	Ø 9.52 (3/8")
	Gas	mm (inch)	Ø 9.52 (3/8")	Ø 9.52 (3/8")	Ø 12.7 (1/2")	Ø 15.9 (5/8")
	Max. Length	m	25	25	30	50
Electrical data	Max. Height Difference	m	10	10	20	25
	Power supply	V-Hz-Ph	220-240 ~ 50, 1N			
	Max. consumption	kW	2.30	2.30	2.80	3.70
	Max. current	A	10.5	10.5	13	19
Temperature while operating	Power cord (outdoor unit)	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T
	Communication cable	mm²	4 x 2.5 + T	4 x 2.5 + T	4 x 2.5 + T	4 x 4 + T
	Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30			
	Outdoor (Cooling / Heating)	°C	-15 ~ 50 / -20 ~ 24			

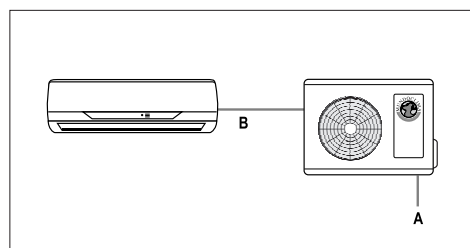
Notes: 1. The noise level values match the values obtained in a semi-anechoic chamber.

2. The dimensions are for the unit body, not including protruding parts (valve covers, handles, etc.), for detailed dimensions please refer to the user and installation manual.

Warning: - Data and specifications can be changed without previous notice.

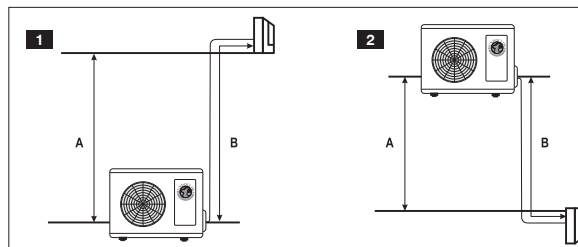
ELECTRICAL INSTALLATION

Model	Electrical wiring (A)	Interconnection wiring (B)
MUPR-09-H10X	2 x 2.5 + T	4 x 2.5 + T
MUPR-12-H10X	2 x 2.5 + T	4 x 2.5 + T
MUPR-18-H10X	2 x 2.5 + T	4 x 2.5 + T
MUPR-24-H10X	2 x 4 + T	4 x 4 + T



REFRIGERATING INSTALLATION (R-32)

Model	Pipe		Max. Length (B)	Max. slope (A)	Preload until (m)	Additional charge (g/m)
	Liquid	Gas				
MUPR-09-H10X	1/4"	3/8"	25	10	5	12
MUPR-12-H10X	1/4"	3/8"	25	10	5	12
MUPR-18-H10X	1/4"	1/2"	30	20	5	12
MUPR-24-H10X	3/8"	5/8"	50	25	5	24


































*In the 2nd case (higher outdoor unit), for height differences higher than 5~7 m it is recommended to install an oil trap in the gas pipe every 5~7 m.















MUPR-H10X Series WALL SPLIT



PERFORMANCE

-  **R32**
Unit that uses more environmentally friendly refrigerant: R32. In order to install equipment with R32 refrigerant gas, you must review the current legislation.
-  **WIFI**
Possibility of controlling the unit via WIFI, through its own module and App.
-  **SUPER DC**
Equipment that has both, Inverter DC compressor and DC fan motors.
-  **CLEANING FILTER REMINDER**
The equipment tells us when to clean and / or replace the indoor unit's air filter.
-  **PIPE COMPATIBILITY**
Possibility of increasing a size over the standard diameter in the gas or liquid pipe or both.
-  **LOW VOLTAGE START**
The equipment can start and run normally up to a supply voltage of 75 V.
-  **DIGITAL DISPLAY LED**
Equipment with a digital display showing the setpoint temperature during normal operation or the ambient temperature in ventilation mode.
-  **ADJUSTMENT**
Function adjustment and operating parameters query using the control.
-  **FOLLOW ME FUNCTION (iFeel)**
The remote control also has a room temperature sensor.
-  **AUTOMATIC RESTART**
Recovery of the adjustments before the electrical cut.
-  **EMERGENCY OPERATION**
Possibility of unit operation with the manual button in case of activation of some alarms.
-  **COLD AIR PROTECTION**
In heating mode, the initial fan speed is adjusted in accordance with the battery temperature.
-  **TURBO OPERATION**
Maximum reduction of Cooling/Heating time.
-  **LOW SOUND LEVEL**
Thanks to the Silence mode and its new design, the sound level is reduced to the minimum.
-  **TEMPERATURE COMPENSATION**
The remote control allows you to set the compensation temperature for heating and cooling mode.
-  **VARIOUS OUTDOOR FAN SPEEDS**
Accurate adjustment of fan speed thanks to DC fan.
-  **FEWER SCREWS**
Not only the indoor unit, but also the outdoor unit uses less screws, so the disassembly is going to be easier.

-  **LOW TEMPERATURE REFRIGERATION**
Cooling operation up to -15 °C outdoor.
-  **STANDBY FUNCTION (ONLY 1 W AT REST)**
The outdoor unit is automatically disconnected from the supply when the unit is in standby, in that way the consumption in standby modus is only 1 W.
-  **REFRIGERANT LEAK DETECTION**
The unit automatically detects possible refrigerant leaks in the circuit.
-  **DESIRED TEMPERATURE RANGE SETTING**
The remote control is able to adjust: Minimum cooling from 17 °C up to 24 °C; Maximum heating from 30 °C up to 25 °C.
-  **VARIOUS INDOOR FAN SPEEDS**
Up to 12 levels of fan speed automatically adjusted if the automatic ventilation is activated.
-  **U-FORM SUPPORTS**
The installation is easier thanks to the new outdoor unit back supports.
-  **QUIETER OUTDOOR UNIT**
Design optimized of the air exit grill with decrease of the noise up to 3.3 dB (A) in comparison with previous models.
-  **WIDE OPERATION RANGE**
Cooling operation up to 50 °C and in heating operation down to -15 °C.
-  **NIGHT MODE**
It causes the unit to operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality.
-  **DAILY TIMER**
The timer can be set to start and stop at any point in a 24-hour period.
-  **TROUBLESHOOTING**
Error codes are exhibited in the inside panel, wired wall control and outdoor PCB.
-  **REMOTE SIGNS (CP)**
Possibility of having an ON/OFF input.
-  **CENTRALIZED CONTROLL**
Possibility of controlling several units with the same control.
-  **CORE GENIUS**
The frequency of traditional Inverter equipment has a ± 1 °C fluctuation of the ambient temperature during operation. However, with the new "CORE GENIUS" Inverter technology that adjusts 0.6 Hz for each step, the frequency variation of the Inverter is so smooth that the ± 0.5 °C fluctuation of the ambient temperature is not noticeable.

-  **SELF-CLEANING**
This function performs a self cleaning on the indoor unit. When the SELF-CLEANING function (iClean button) is activated, the unit initially operates in cooling mode with the fan at a low speed, during this period the condensation water carries away the dust from the battery. Then the unit switches to heating mode with the fan at a low speed to dry the battery and the inside of the unit. Finally, the unit switches to ventilation mode to finish drying completely.
-  **SILENCE**
This function allows you to select the ultra-quiet speed, so the sound level of the equipment is very low.
-  **HORIZONTAL AND VERTICAL SLAT OSCILLATION**
Better air distribution thanks to the automatic blade swing, horizontal and vertical.
-  **GOLDEN FIN**
Gold-plated heat exchanger, which protects the equipment against atmospheric phenomena and the effects of aggressive environments. It also prevents the proliferation of bacteria and mold.
-  **A+++ ENERGY LABELLING FOR COOLING**
-  **A++ ENERGY LABELLING FOR COOLING**
Useful on model 9 and 12.
-  **FRESH AIR (ION)**
This equipment incorporates an ionizer to generate OH(-) and thus purify the air by deactivating bacteria, viruses and other pathogens, providing a very pleasant feeling of freshness.
-  **MOUNTING PLATE**
Reinforced mounting plate with measuring range and spirit level included.
-  **BREEZE AWAY**
Function that allows diverting the air flow to another location to prevent the equipment from blowing directly on people.
-  **GEAR**
It allows the equipment capacity to be set to 50%, 75% or 100% (default).
-  **COLD CATALYST FILTER**
This equipment incorporates a purifying filter that can absorb formaldehyde without the need for ultra-violet light.
-  **SPRINTING**
Like a sprint runner, this function allows the compressor to reach 65 Hz in just 6 s.
-  **REVERSE ROTATION**
When the equipment is stopped, the outdoor unit fan rotates backwards to remove leaves or other external elements from the battery.
-  **EXV**
Equipment with electronic expansion valve, it adjusts the capacity of the equipment in a more stable way.