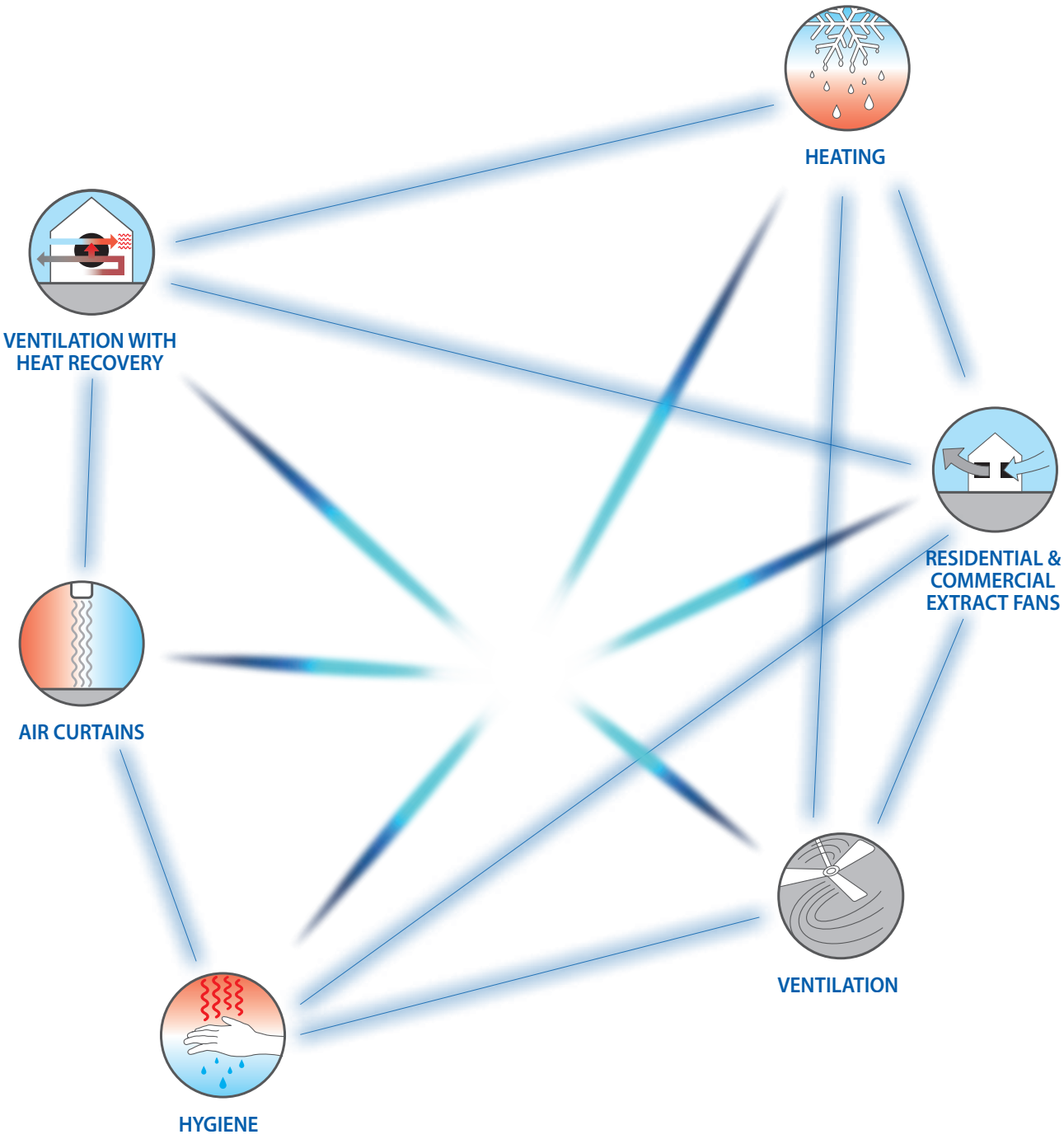


elicent®
advanced ventilation

RESIDENTIAL AND COMMERCIAL VENTILATION

Clear as the air

The indoor air quality is essential to ensuring good quality of life. We have passionately worked for over 45 years with the objective of manufacturing not simply fans, but innovative, technologically advanced, environmentally friendly and human health focused products.

Strong as our prospects

The path followed by our company is part of the history of a large German industrial group, which started as early as 1928, the year when Christian Maier set up Maico Elektroapparate. Since then, the group has been able to build up a well established industrial reality and to acquire the technological and commercial know-how which has allowed it to become one of the top names in the ventilation industry. In the last few years, the group focus to grow on a global level has been speeded up and materialised with important investments in emerging markets: a culturally exciting and highly promising scenario.

Green as the future

Problems like global warming and atmospheric pollution affect us not just a s a company working with air but also as human beings. For this reason all our efforts aim to investments, industrial process and products that lead the way in terms of efficiency, cost-effectiveness and environment respect. Many are the rules today that show an ever increasing desire to breathe clean air, from the Kyoto protocol to the many building regulations; we are proud to accept the challenge because we strongly believe that we must work together to win the battle for a clean environment for all. Why not say it, **"it's our great aspiration!"**

Dal 1970 la ventilazione made in Italy

For more than 45 years our product range has followed a seamless thread: from the first fans, Elicent policy to combine design, practicality and advanced technology is easy to see. The result is an outstanding Italian product which has earned wide recognition around the world. All our production is 100% made in Italy, in Lonato del Garda (Brescia) where we design and produce all the fans that are then exported in more than 70 countries.

Our products are CE certified and compliant with ErP Directive 2009/125/CE and EU Regulations 327/2011 and 1253/2014.

Guidelines for a correct ventilation

Selecting the correct fan

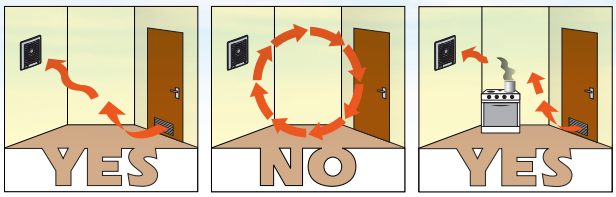
Extraction is always made from humid/polluted premises:
kitchens, laundries, toilets, bathrooms, bars... To choose the fan airflow needed for a specific application, use the following calculation:

Airflow = volume of the room in m^3 x number of air changes per hour

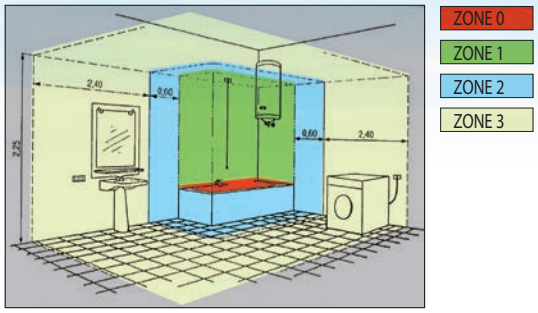
Type of room	Air change per hour
Kitchens	6 - 10
Bathrooms and shower rooms	8 - 12
Toilets	8 - 10
Public toilets	10 - 15
Restaurants and bars	10 - 12

Setting the fan correctly

- Fans should always be mounted in the furthest window, wall or ceiling from the main source of air replacement to ensure airflow across the room and avoiding short circuiting of air movement.
- Air replacement should be ensured via internal grilles in the door, ceiling or wall.
- Fans should be located as high as possible in the window or wall nearest to smells or streams but not directly above eye-level grilles or cooker hoods.



- If installing in a bathroom, the fan must be located where it cannot be touched by a person. Elicent range of 12 Volt SELV fans (Safety Extra Low Voltage) can be installed in zone 1.
  Fans with IPX4 protection can be installed in zone 2.
  Fans with an IPX2 protection must be installed in zone 3.



Choosing the right Elicent version

IDEAL SOLUTION | SUITABLE | NOT RECOMMENDED

TYPE OF PREMISE	STANDARD	PULL CORD SWITCH	TIMER/ COMFORTIMER	MHT / COMFORT HYGRO	MHY SMART	PIR	2 SPEED
TOILET	✔	✔	☻	✔	✘	✔	✔
PUBLIC TOILET	✔	✔	✔	✔	✘	☻	☻
BATHROMM	✔	✔	✔	☻	☻	✘	✔
SHOWER ROOM	✔	✔	✔	✔	☻	✘	✔
KITCHEN	☻	☻	✔	✔	✔	✘	✔
LAUNDRY	✔	✔	✔	☻	✔	✘	☻
OFFICE	✔	✔	✔	✘	✘	✘	☻

Operation

STANDARD version
Light/remote control switch.

PULL CORD switch

TIMER
Integral electronic timer adjustable from 3 to 25 minutes.

COMFORTIMER
Microchip Timer version adjustable from 3 to 25 mn with overrunning at low speed for an energy saving up to 64% compared to a standard timer version. The low speed guarantees increased silence and energy saving though maintaining a fully satisfying exhausting efficiency. Version particularly suitable for hotels, hospitals, private homes and for all those applications where silence is a must.

MHT humidity control
Integral humidity control adjustable from 40 to 80% of R.H.

MHY Smart humidity control
Provided with the latest microchip technology.
Operation: automatic and progressive increase / decrease of the motor speed according to the percentage of R.H.

COMFORT HYGRO
Combines to Comfortimer technology a microchip humidity sensor adjustable from 40 to 80% of R.H.

P.I.R.
Passive infra-red sensor with integral adjustable timer from 3 to 25 minutes.

12 VOLT
Low voltage version.

2 V
Double speed version (24 hours running at the lowest speed).

EC MOTOR
High efficiency, electronically controlled, brushless motor.

Product Specification

INSTALLATION

Direct exhaust to the outside

Ducted installation

CERTIFICATIONS

IMQ approved

Product compliance with EC Directive

PROTECTION

Double insulation - Class II earth connection not required

International Protection rating

Splash proof protection (EN 60335-2-80)

Drop protection (EN 60335-2-80)

Maximum operating temperature

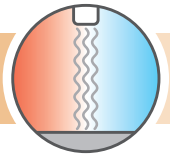
INDEX

VENTILATION WITH HEAT RECOVERY

EXTRACT VENTILATION

EC versions

INDEX

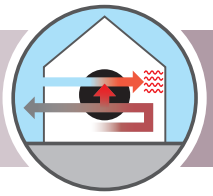


AIR CURTAINS

HEATING

VENTILATION

HYGIENE



RESIDENTIAL VENTILATION WITH HEAT RECOVERY

Ventilation with heat recovery is a clean and simple technology which provides great comfort and savings: it enables to create an hygienic microclimate throughout the home, combining comfortable living, protection of the building and energy efficiency.

SAVINGS

- Lower heating and air conditioning bills.
- Low energy consumption.
- Optimising insulation investments (window frames, wall and loft insulation, roof) which would be wiped out with a natural ventilation system: on average, in fact, open windows lead to a loss of 50% of heat from the home.

WELLBEING

- Fresh, clean air at a comfortable temperature improves your quality of life and sleep.
- A clean and filtered air prevents allergens from multiplying and promotes the removal of pollutants.
- Low noise level: quiet equipment operation and protection from external noises.

PROTECTING YOUR PROPERTY

- Preventing damage caused by dampness and condensation.
- Preventing mould.
- Protecting the value of your property.

COMFORT

- Practical, versatile and customisable modular operation.
- A reliable system which ensures the correct ventilation in every season.
- The ideal solution for energy requalification of buildings.

INTEGRATED SOLUTIONS FOR A WHOLE-HOUSE COMFORT

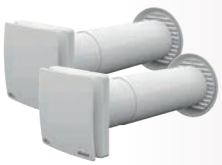
Decentralized HRU

Suitable for any kind of room.

RECsmart

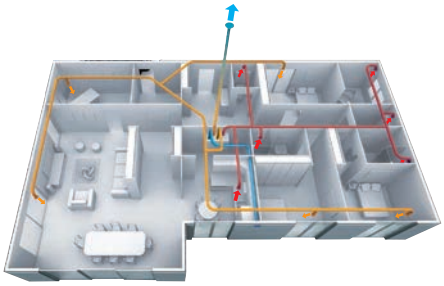
RECsmart+

RECduo 100



RECSanAir

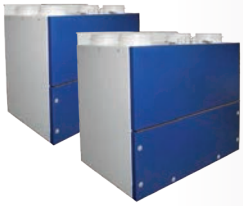
Centralized HRU



The centralized HRU is located in a technical room or in a false ceiling. The hot internal air extracted from the premises goes through a heat exchanger before being expelled outside. The fresh air coming from outside is first filtered and then goes through the exchanger where it recuperates the heat released by the extracted air.

REC in linea
Horizontal Installation

REC 280 320
Vertical Installation



Touch Pannel

Decentralized HRU

HEAT RECOVERY UP TO 90%

elicent® advanced ventilation

5 Good reasons to choose it

- Need to better the indoor air quality with punctual solutions for each kind of room.
- Presence of an air quality or ventilation problem limited to a unique room or a small house.
- Impossibility to install a centralized HR system.
- Need to renovate or requalify the house at limited costs.
- Avoid important masonry interventions.

REC smart

Ø100 mm

STANDARD version

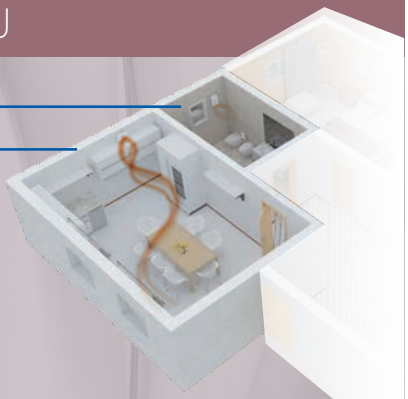
HUMIDITY CONTROL version

REC smart+

RC Version with **REMOTE CONTROL**

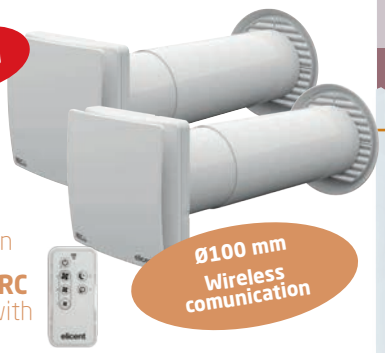
TC Version with **TOUCH CONTROL**

Single room HRU



REC duo 100

NEW



STANDARD / 2V version

REC DUO 100 MHY Humidity control version

REC DUO 100 PLUS RC Full optional versione with remote controll

Ø100 mm Wireless comunication

HRU for installation in single o separate rooms

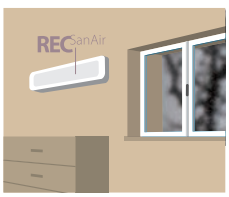
REC SanAir

REC SanAir **IN WALL**

REC SanAir **WALL**

REC SanAir **WINDOW**

Single - Room HRU



REC SanAir **WALL**

REC SanAir **IN WALL**

REC SanAir **WINDOW**

RECsmart

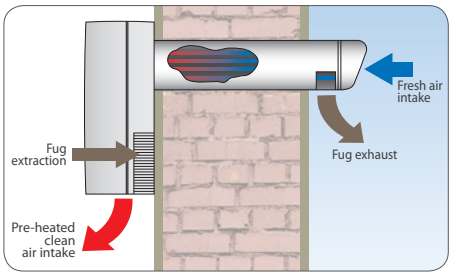
Decentralized Heat Recovery Unit

For single rooms up to 40 m²

Comply with ErP Directive and UE Regulation 1253/2014 Ventilation Unit (VU)

- Thermal efficiency up to **75%**
- Easy to install: no ducting system or heavy masonry required. A hole of ø 100 mm is sufficient.
- Ideal for refurbishment and energy requalification.
- Drastic solution to humidity and condensate problems.
- EC motors.

OPERATION



- Tubular heat exchanger with separate flows for a perfect hygiene.
- Balanced double flow, 24/7 running.

ACCESSORIES

Built-in installation

RLS
Remote Speed control (min-max) and on/off switch.

- New design with cover
- Suitable for surface or built-in installation
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42

FEATURES

- 3 models with duct ø 100 mm and 3 standard lengths for wall thickness up to 600 mm.
- Suitable for any kind of room. Ideal for wet rooms like kitchens and bathrooms.
- Extremely compact and versatile: can be installed in horizontal or vertical position.
- High energy saving thanks to EC motors
- Integrate by-pass and antifreeze functions.
- Provided with 3 filters: the air is filtered in both flows before entering the heat exchanger.
- Easy maintenance and cleaning: filters and heat exchanger are removable and washable.
- Comply with EN 60335-2-80, B.T. 2014/35/UE, EMC 2014/30/UE.

PERFORMANCE

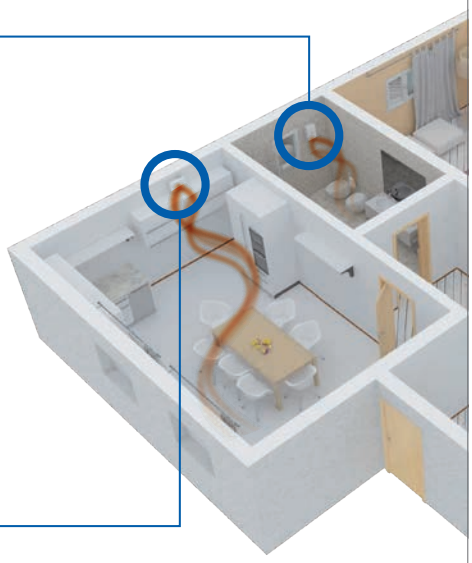
MODELS	DUCT	WALL THICKNESS	V	m³/h	l/s	W	A	dB(A)		Kg
	Ø mm	max mm						LwA	LpA*	
STANDARD Version										
REC Smart 100/400	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
REC Smart 100/500	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
REC Smart 100/600	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0
MHY Version										
REC Smart 100/400 - MHY	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
REC Smart 100/500 - MHY	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
REC Smart 100/600 - MHY	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0

* Lp(A) measured at 3m in open field 230V-50Hz.

F7 filter
Upon request

INSTALLATION EXAMPLES

Suitable for any kind of room
Ideal for wet rooms like kitchens and bathrooms.



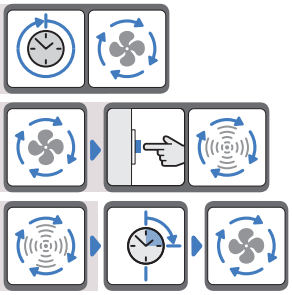
VERSIONS

STANDARD version

I. 24/7 running at the minimum speed.

II. The unit switches at the highest speed through a manual command on a remote control (switch, push button or RLS controller).

III. The highest speed is provided with a timer (adjustable from 0 to 30 minutes). At the end of the delay running, the fans automatically turns back to the minimum speed.

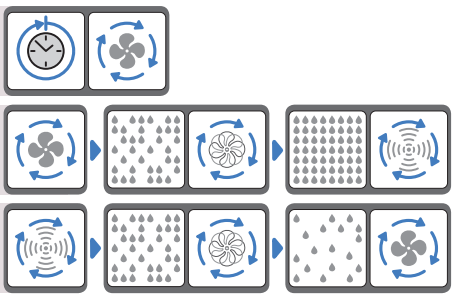


MHY Version Humidity control

I. 24/7 running at the minimum speed.

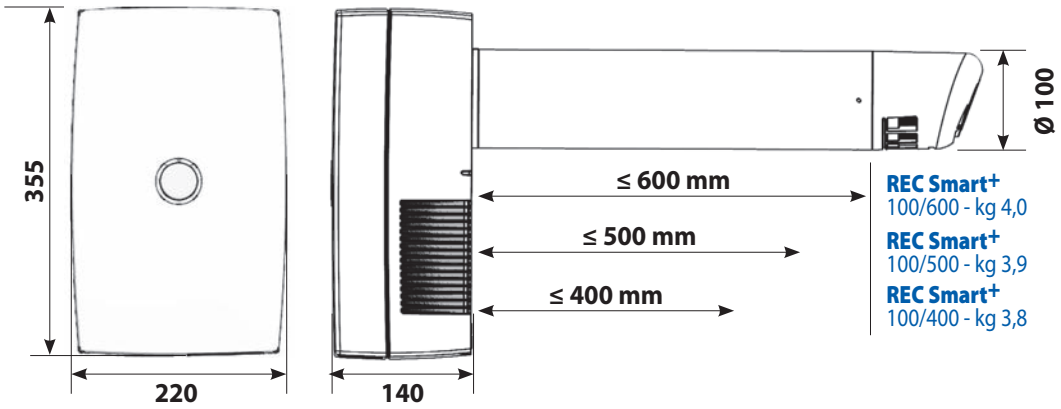
II. The unit switches to the highest speed automatically through the humidity sensor. The maximum speed is reached progressively according to the humidity level of the room.

III. Once the humidity goes under the pre-set level (adjustable from 40 to 90% of R.H.), the unit automatically switches to the minimum speed.

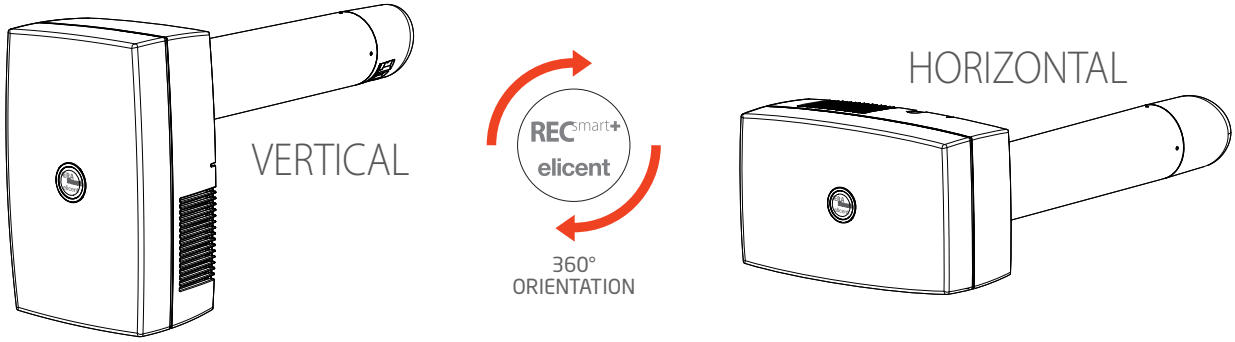


Also the MHY version is provided with a timer adjustable from 0 to 30 minutes for the manual boost at the maximum speed. The function is useful in case it is necessary to have the fan running at the maximum speed independently from the humidity level (see point III standard version).

DIMENSIONS (mm)



INSTALLATION

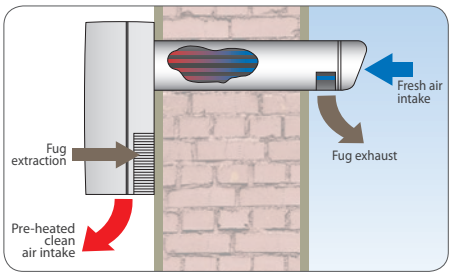


Single rooms up to 40 m²

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014. Residential Ventilation Unit.

- Integrated Humidity Control
- Thermal efficiency up to **75%**
- Easy to install: no ducting system or heavy masonry required. A hole of ø 100 mm is sufficient.
- Ideal for refurbishment and energy requalification.
- Drastic solution to humidity and condensate problems.
- EC motors.

OPERATION



- Tubular heat exchanger with separate flows for a perfect hygiene.
- Balanced double flow, 24/7 running.

FEATURES

- **RECsmart+** is available in a range of 3 models corresponding to 3 different duct length, with a unique duct diameter 100 mm. The measures reported on the dimensional drawing refer to the maximum thickness of the wall on which the ventilation unit can be installed: 400, 500, 600 mm.
- 3 models with duct ø 100 mm and 3 standard lengths for wall thickness up to 600 mm.
- Suitable for any kind of room. Ideal for wet rooms like kitchens and bathrooms.
- Extremely compact and versatile: can be installed in horizontal or vertical position.
- High energy saving thanks to EC motors
- Integrate by-pass and antifreeze functions.
- Provided with 3 filters: the air is filtered in both flows before entering the heat exchanger.
- Easy maintenance and cleaning: filters and heat exchanger are removable and washable.
- Comply with EN 60335-2-80, B.T. 2006/95/CE, EMC 2004/108/CE.

OPERATION

RECsmart+ is designed for a 24 hours running at the minimum speed. The unit switches at the highest speed through a manual command on a remote controller (remote switch / push button, radio controller or Touch Panel) or automatically (through the integrated humidity sensor or via the Touch Panel weekly programming). Both models RC and TC are provided with the MHY Smart humidity control (a technology patended by Maico Italia) which allows to have the ventilation speed automatically set according to the detected humidity level.
The BOOST function (maximum speed) is provided with a timer (adjustable from 0 to 30 minutes) that can be activated through remote controller (switch, light switch, radio controller, touch panel). The function is useful in case it is necessary to have the unit running at the maximum speed independently from the humidity level.

MODELS

RECsmart+ RC

The model is supplied with a remote radio controller. The ventilation unit is provided with 3 LED that indicate the operation modality, including the sleep mode and the extraction mode, as well as the indication of potential anomalies.

Through the remote radio controller it is possible to manage the following functions:
- On/Off
- The Speed/ventilation level regulation
- The Sleep modality that allow to have the unit running silently at low speed during the night (the boost function is excluded)
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed

RECsmart+ TC

The model is supplied with a remote Panel Touch controller with coloured screen. The ventilation unit is provided with 3 LED that indicate the operation modality, including the sleep mode and the extraction mode, as well as the indication of potential anomalies.

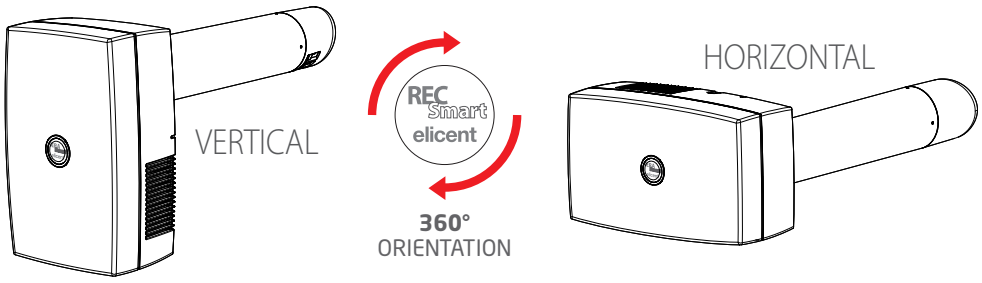
The Touch Panel allows to manually or automatically manage (through the weekly programming) the following functions:
- The Speed/ventilation level regulation
- The ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- The threshold humidity level over which the unit increases its speed
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- The Sleep modality that allow to have the unit running silently at low speed during the night (the boost function is excluded)

PERFORMANCE

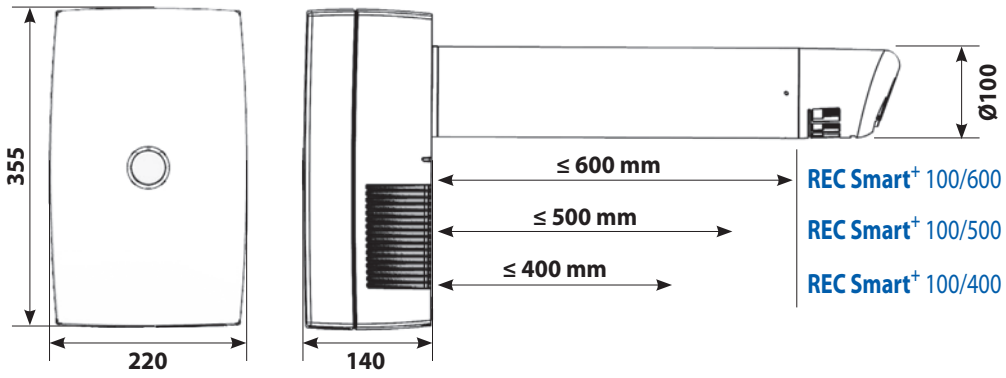
MODELS	DUCT	WALL THICKNESS	V	m³/h	l/s	W	A	dB(A)		Kg
	Ø mm	max mm						LwA	LpA*	
RC REC smart+ | RADIO CONTROL										
REC Smart+ L400 + REMOTE CONTROLLER	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
REC Smart+ L500 + REMOTE CONTROLLER	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
REC Smart+ L600 + REMOTE CONTROLLER	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0
TC REC smart+ | TOUCH CONTROL										
REC Smart+ L400 + TOUCH PANEL	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
REC Smart+ L500 + TOUCH PANEL	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
REC Smart+ L600 + TOUCH PANEL	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0

* at 3 m in open field

INSTALLATION



DIMENSIONS (mm)



REMOVE THE MOULD AND BREATH A HEALTHIEST AIR !

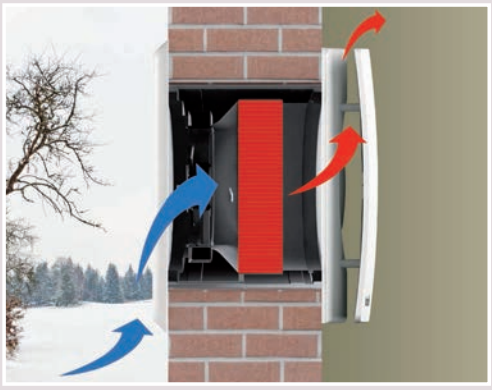
REC duo 100

Decentralized Heat Recovery Unit

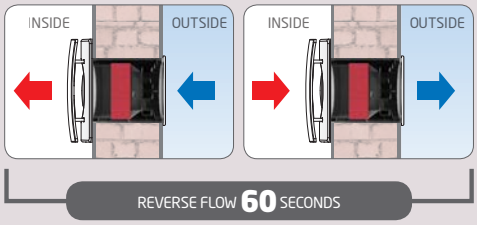
Coupled installation in a single room or 2 separate rooms

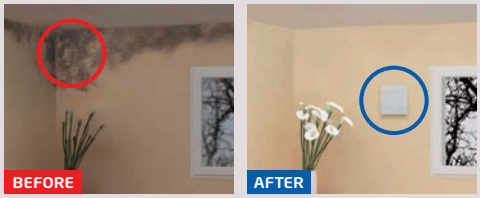
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014. Residential Ventilation Unit.

- Thermal efficiency up to **90%**
- Ø100
- Easy Installation and maintenance:
  - Magnetic coupling/uncoupling of the unit.
  - External grille with net, installable from the inside.
  - Telescopic duct.
- Wireless communication (REC duo 100 PLUS RC)



REC Duo 100 is a "push-pull" HRU with reverse flow. It is provided with a ceramic heat exchanger that accumulates the heat from the extracted air during the "pull" cycle and releases it to the new fresh air during the "push" cycle.

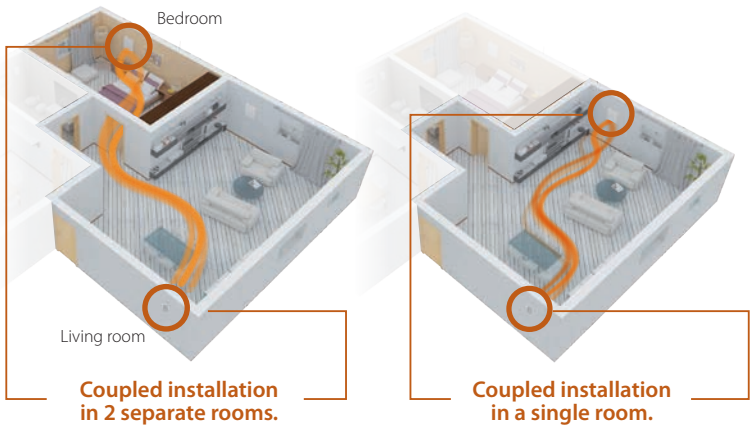




FEATURES

- Very high efficiency decentralized HRU with heat recovery up to 90%.
- Ideal for residential applications and in any ambient where it is necessary to ensure a constant thermal comfort both in the summer and in the winter.
- Suitable for any kind of rooms.
- A coupled installation is recommended to optimize the system efficiency, in a single room or separate rooms.
- Direct exhaust through walls with thickness from 300 to 500 mm (adaptable to other wall thickness from 220 to 1000 mm: see section Dimensions).
- Suitable for conveying air to a max. temperature of 40°C.
- Stylish and ultra-slim front cover. Very compact dimensions.
- Provided with filters G3 class both in intake and in extract, easily removable and washable.
- Free-cooling function.
- EC brushless motor.
- Comply with EN 60335-2-80, LVD 2014/35/UE, EMC 2014/30/UE.
- IPX4
- CE marked

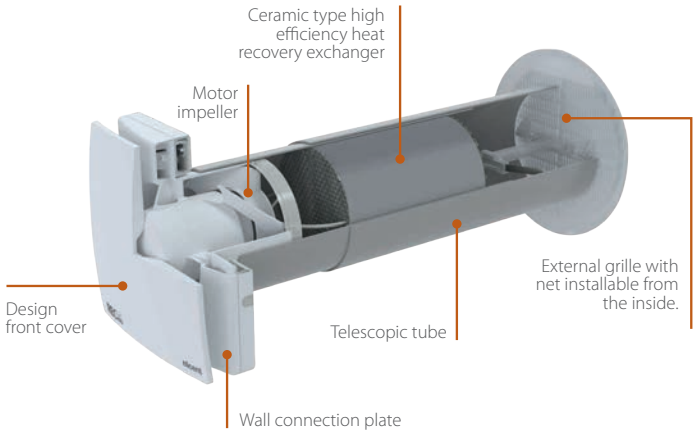
EXAMPLES OF INSTALLATION



PERFORMANCE

MODEL	DUCT	WALL THICKNESS	AIR FLOW min / max only exhaust	V AT 50 HZ.	W min / max only exhaust	dB(A)
	Ø (mm)	min. / max (mm)	m^3/h			Lp
REC Duo 100 - 100 MHY - 100 Plus RC	107	300 - 500	12 / 30 / 40	230	1 / 2,8 / 3,5	15 / 29

* at 3 m in open field



MAGNETIC **COUPLING UNCOUPLING** OF THE UNIT TO THE CONNECTION PLATE

MODELS & OPERATION

REC DUO 100
Cod. 2RC1100

24 hours running in push-pull modality at low speed (selectable between 2 at installation).
The unit switches to the extraction operation modality when speed boost is activated through remote control switch or RLS controller (available as accessory). The maximum speed is provided with a timer (adjustable from 0 to 30 minutes). Once concluded the overrun via timer, the fan automatically switches back to the push-pull operation modality at low speed.

REC DUO 100 MHY
Cod. 2RC1200

24 hours running in push-pull modality at low speed (selectable between 2 at installation).
The unit switches to the extraction operation modality when speed boost is activated, manually or automatically:
Manually via control switch or RLS controller (available as accessory). The maximum speed is provided with a timer (adjustable from 0 to 30 minutes). Once concluded the overrun via timer, the fan automatically switches back to the push-pull operation modality at low speed.
Automatically via humidistat (adjustable from 45 to 85% of R.H). The fan speed increases/decreases according to the humidity level detected above the pre-selected threshold. It then switches back to the push-pull operation modality at low speed when the humidity level goes beneath the pre-selected threshold.

RLS
Cod. 2RV4158

Available as accessory for
REC DUO 100 and REC DUO 100 MHY

- On-Off
- Boost speed

REC DUO 100 PLUS RC
Cod. 2RC1300

24 hours running in push-pull modality at low speed (adjustable by the end-user).
Boost speed is available in push-pull modality and turns on automatically via humidistat (adjustable from 45 to 85% of R.H) and increases/decreases progressively according to the detected humidity level.
In case of a persistent and high concentration of humidity, the unit automatically switches to the extraction operation modality. It then switches back to the push-pull operation modality at low speed when the humidity level goes beneath the pre-selected threshold. The unit is supplied with a remote controller for the selection and activation of advanced comfort ventilation functions.

REC Duo 100 PLUS RC is supplied with a remote controller through which selecting the speed and managing the following operation modalities:

0 - On/off

1 - Push-pull operation modality
24 hours reverse flow running at the selected speed

2 - Speed 1

3 - Speed 2

4 - Boost speed with timer (extraction mode only)

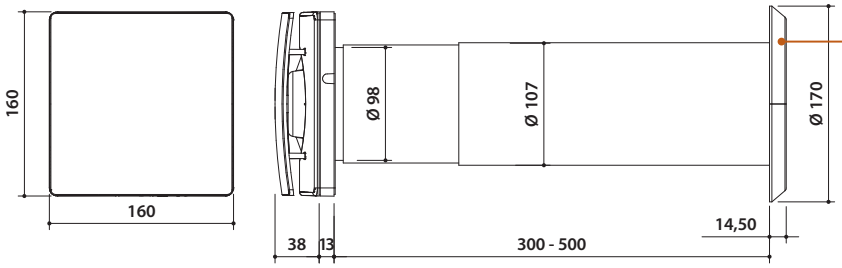
5 - Sleep mode
the operation at low speed is frozen for 8 hours to ensure high acoustic comfort during the night. The function can be unblocked at any time by pressing any button (except button 0).

6 - Flow control
operation in intake or extract mode only.
Press once: extraction mode
Press twice: intake mode

7 - Free-cooling mode: air exchange without heat recovery

Led signal:
any time a button is pressed, a led switches on the remote controller to indicate that the signal has been received.

DIMENSIONS (mm)



External grille installable from the inside.

For walls with thickness > 500 mm:
It is necessary to use the telescopic duct available as accessory
Cod. 2KT0014

For wall thickness between 220 and 300 mm:
It is necessary to cut the duct and to use the external grille MFE, available as accessory
Cod. 2GE2002

REC SanAir

Decentralized Heat Recovery Unit

REC SanAir **WALL**

REC SanAir **IN WALL**

REC SanAir **WINDOW**

Single rooms up to 40 m²

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
Classification: Residential Ventilation Unit.

- Thermal efficiency up to 82%
- Highly efficient filtering system
- Enthalpic heat exchanger
- EC motors

FEATURES

- Decentralised heat recovery unit with high efficiency enthalpic heat exchanger for residential application.
- Thermal efficiency up to 82%.
- Very high efficiency filtering system with double filter F8 + G4 **which allows the retention** of of at least 98% of PM2,5, 99% of PM10 and 100% of pollens.
- Ultra slim and aesthetic design. Lightweight and easy to install.
- Wall/window frame installation
- 5 ventilation levels: from 15 to 41 m3/h.
- Free-cooling and Antifreeze functions.
- Low consumption: from 4 W
- Silent running: < 30dB in night mode.
- Comply with B.T. 2014/35/UE, EMC 2014/30/UE.
- CE marked

PERFORMANCE

SPEED	AIRFLOW	ELECTRIC POWER	SOUND PRESSURE	THERMAL EFFICIENCY
	m3/h	W	dB (A)	%
1	15	4	26	82
2	20	5	30	-
3	30	10	36	74
4	35	13	40	-
5	41	20	44	69

TECHNICAL DATA

Heat recovery depending in T, RH, AIRFLOW	up to 82%
Rated input voltage	220 V a.c.
Internal operating voltage	24V c.c.
Power supply	230V / 50 Hz
Safety class	II
Safety	Transformer provided with thermal protection
Protection grade	IP65
Connection cable length	2,5 mt
Temperature range	Min. -15°C / Max 50°C
Thermal transmission coefficient	U= 0,30 W/K
Noise attenuation	oltre 43 dB
Provided filters	F8/F9 + G4 - immission G4 - extract

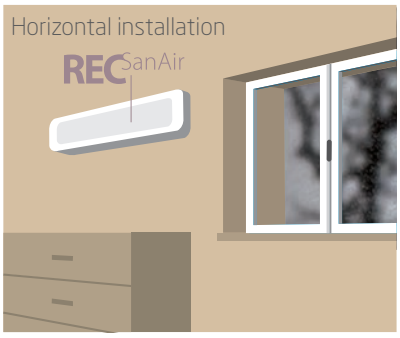
REMOTE CONTROL

REC San Air is supplied with a remote control for the set-up of the ventilation level and the free cooling function (with programmable timer up to 10 hours).

MODELS

REC SanAir WALL

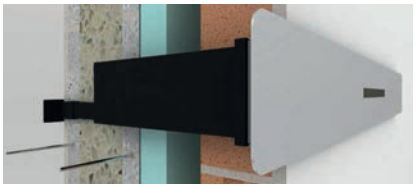
- Installation on all kind of perimetric wall.
- Unique model for horizontal or vertical installation.
- Easy installation: 2 holes of ø100 mm are sufficient.



ITEM		CODE	DESCRIPTION
REC SANAIR WALL - Wall installation - Horizontal or vertical installation			
		4SA0000	REC SanAir WALL

REC SanAir IN WALL

- Installation on any kind of perimetrical wall.
- Built-in horizontal or vertical installation.



ITEM		CODE	DESCRIPTION
REC SANAIR WALL - Built-in horizontal installation			
 5KT0009 5KT0010		4SA0001	REC SanAir WALL IN
		5SC5000	Built-in frame with rear
		5KT0009	External direct extensions
		5KT0010	External extensions 45° curved
		5FR5000	REC San Air white cover RAL 9010
REC SANAIR IN WALL - Built-in vertical installation			
		4SA0001	REC SanAir WALL IN
		5SC5001	Built-in frame with rear + 90° curved
		5KT009	External direct extensions
		5FR5000	REC San Air white cover RAL 9010

REC SanAir WINDOW

- Installation on all kind of window frame with dimensions up to 180 mm of width and 3000 mm of length.

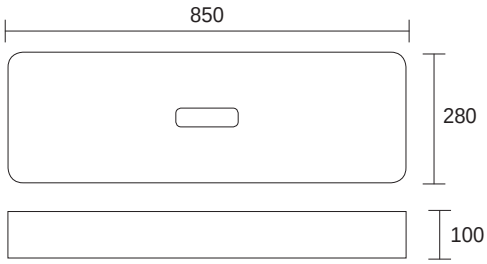
ITEM		CODE	DESCRIPTION
REC SAN AIR WINDOW - Window installation			
		4SA0002	REC SanAir WINDOW
	Frame for REC SanAir WINDOW 	5SC5010	L. 1.000 White RAL 9010
		5SC5011	L. 1.500 White RAL 9010
		5SC5012	L. 2.000 White RAL 9010
		5SC5013	L. 2.500 White RAL 9010
		5SC5014	L. 3.000 White RAL 9010

ACCESSORIES / SPARE PARTS

ACCESSORIES / SPARE PARTS		
	5KT0011	Direct extension kit
	5SL0050	Remote control
	5KT0012	Filter G4 + F8

DIMENSIONS (mm)

WALL model

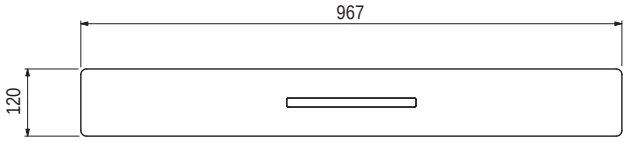


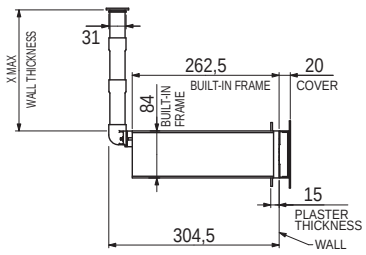
WINDOW model

Frame	X (mm)
5SC5010	1000
5SC5011	1500
5SC5012	2000
5SC5013	2500
5SC5014	3000

For intermediate quotes it is possible to shorten the extension and the grill on site.

IN WALL model

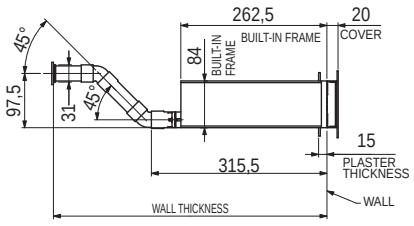




Vertical configuration

Wall thickness quote X (mm)	Extensions and external grill needed		CODE Extensions Kit
	External grill	Extensions	
61	1 + 1	NO	5KT0009
136	1 + 1	1 + 1	5KT0009
211	1 + 1	2 + 2	5KT0009
286	1 + 1	3 + 3	5KT0009 + 5KT0011

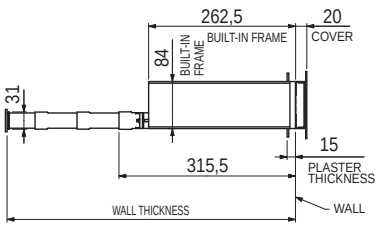
For intermediate quotes it is possible to shorten the extension and the grill on site.



Horizontal configuration with extension 45°

Wall thickness quote X (mm)	Extensions and external grill needed		CODE Extensions Kit
	External grill	Extensions	
491	1 + 1	NO	5KT0010
566	1 + 1	1 + 1	5KT0010
641	1 + 1	2 + 2	5KT0010 + 5KT0011
716	1 + 1	3 + 3	5KT0010 + 5KT0011
791	1 + 1	4 + 4	5KT0010 + 5KT0011
866	1 + 1	5 + 5	5KT0010 + 5KT0011

For intermediate quotes it is possible to shorten the extension and the grill on site.

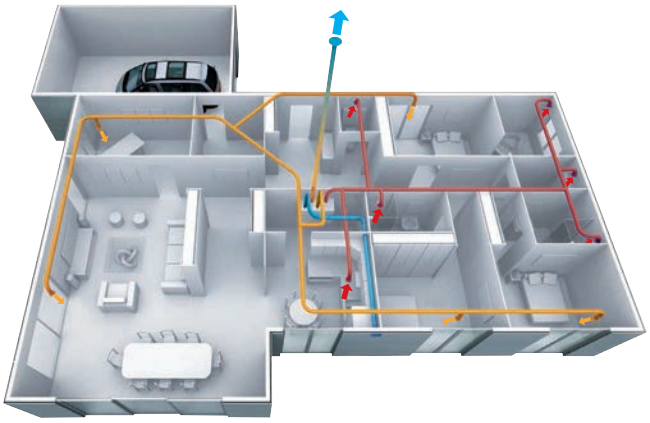


Horizontal configuration with direct extension

Wall thickness quote X (mm)	Extensions and external grill needed		CODE Extensions Kit
	External grill	Extensions	
365	1 + 1	NO	5KT0009
440	1 + 1	1 + 1	5KT0009
515	1 + 1	2 + 2	5KT0009
590	1 + 1	3 + 3	5KT0009 + 5KT0011
665	1 + 1	4 + 4	5KT0009 + 5KT0011
740	1 + 1	5 + 5	5KT0009 + 5KT0011
815	1 + 1	6 + 6	5KT0009 + 5KT0011

For intermediate quotes it is possible to shorten the extension and the grill on site.

Centralized HRU



elicent®
aspirazione evoluta

The centralized HRU is located in a technical room or in a false ceiling. The hot internal air extracted from the premises goes through a heat exchanger before being expelled outside. The fresh air coming from outside is first filtered and then goes through the exchanger where it recuperates the heat released by the extracted air.

HEAT RECOVERY UP TO 93%

Residential ventilation units - **Horizontal installation**

2 - 8 rooms

REC in linea 140

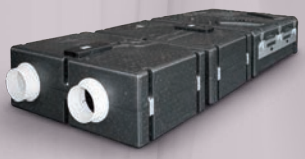
Thermal efficiency **91%**
EC Brushless Motor
Free cooling / Integrated By-pass
Energy Class **A**

- Ideal up to 4 rooms
- Airflow up to **140 m³/h**
- Low consumption **(min. 10W)**

REC in linea 180

Thermal efficiency **91%**
AC or EC Brushless Motors
Free cooling / Integrated By-pass
Energy Class **A** (EC)

- Ideal up to 6 rooms
- Airflow up to **180 m³/h**
- Low consumption **(min. 15W EC - min. 60W AC)**



REC in linea 220

certified by bre According to EN308

Thermal efficiency **91%**
AC or EC Brushless Motors
Free cooling / Integrated By-pass
Energy Class **A** (EC)

- Ideal up to 8 rooms
- Airflow up to **220 m³/h**
- Low consumption **(min. 35W EC - min. 60W AC)**

Residential ventilation units - **Vertical installation**

up to 10 rooms

REC 280

certified by bre According to EN308

Thermal efficiency **93%**
AC motor
Free cooling / Integrated By-pass

- Ideal up to **10 rooms**
- Airflow up to **280 m³/h**
- Low consumption **(min. 80W)**

REC 320

certified by bre According to EN308

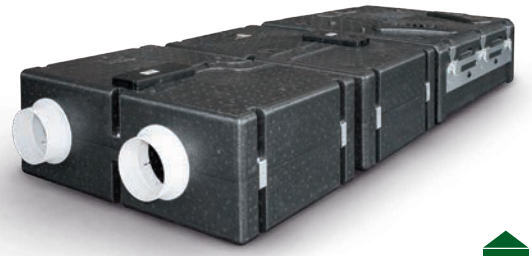
Thermal efficiency **93%**
EC brushless motor
Free cooling / Integrated By-pass
Energy class **A**

- Ideal up to **10 rooms**
- Airflow up to **320 m³/h**
- Low consumption **(min. 40W)**
- **Available with Touch Panel included (TC version)**

New versions with **Touch Panel** for the weekly programming of the indoor comfort.

REC IN LINEA

Centralized Heat Recovery Units
Horizontal installation



2 - 8 rooms

Energy class A
(EC Versions)

Comply with ErP Directive and UE Regulation 1253/2014 Ventilation Unit (VU)

- Thermal efficiency up to **91%**
- High energy saving thanks to EC motors
- Compact and modular
- Energy Class A (EC versions)

VERSIONS

- **REC in linea AC**
  Provided with external rotor motor and forward blade impeller 2 speed running: continuous running at the minimum speed, maximum speed is activated through remote control.
- **REC in linea EC**
  Provided with brushless motor for an optimal combination between high performance, silence and low energy consumption.

CONTROLLERS

SUPPLIED

RLS 1 WR

- Remote control
- Manual selection of three modality of continuous running:
  I - Low ventilation modality
  II - Intermediate ventilation modality
  III - Intensive ventilation modality
- Supply voltage 230V – 50/60 Hz
- Weight 0,50 Kg
- Dimensions 75 x 75 x 30

Supplied with REC in linea EC 140 - 180 - 220

ACCESSORY

RLS 3V - 3 speeds

- Remote 3 speed control (Min/Max) and On/Off switch
- New design with cover
- Suitable for surface or built-in installation
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42

Accessory for AC versions of REC in linea 180

FEATURES

- High efficiency centralized heat recovery units with thermal efficiency up to 91%.
- Compact and modular.
- Horizontal installation in false ceilings.
- Lightweight and easy to install.
- Suitable for ø 125 mm ducting system.
- Made in PPE for a perfect thermal and acoustic insulation.
- Provided with integrated by-pass.
- Multispeed high efficiency EC brushless motors.
- Low sound level.
- Filters class M6 in addition to the filters assembled.
- Supplied with fixing plate, and RLS 1WR control panel (EC motor versions).
- IPX2.
- Comply with EN 60335-2-80, B.T. 2014/35/UE, EMC 2014/30/UE
- Performance measured by BRE according to EN 13141-7, EN 13101-4, EN 5801 and EN 308.
- CE marked

PERFORMANCE

MODEL	m³/h max	l/s	Pa max	V	W max	A max	dB(A)*
REC in linea 140 EC	140	39	210	230	50	0,55	24
REC in linea 180 EC	180	50	200	230	70	0,65	24
REC in linea 220 EC	220	61	340	230	106	0,90	26
REC in linea 180 AC	180	50	200	230	70	0,65	24
REC in linea 220 AC	220	61	340	230	106	0,90	26

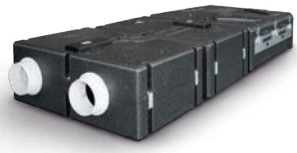
* Lp(A) measured at 3m in open field 230V-50Hz.

MODELS

Complete range composed of 3 models for houses up to 8 rooms:

REC in linea 140
- Ideal for houses up to **4 rooms** and average surface of 80 sqm.
- Installation configuration: **2 intake points and 2 extract points.**
- Max airflow **140 m³/h.**
- Integral by-pass.
- EC motors.

REC in linea 180
- Ideal for houses up to **6 rooms** and average surface of 100 sqm.
- Installation configuration: **3 intake points and 3 extract points.**
- Max airflow **180 m³/h.**
- Integral by-pass.
- AC or EC motors.

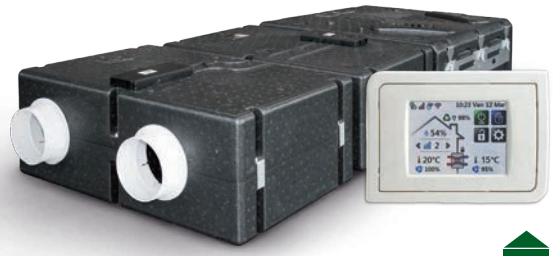


REC in linea 220
- Ideal for houses up to **8 rooms** and average surface of 120 sqm.
- Installation configuration: **4 intake points and 4 extract points.**
- Max airflow **220 m³/h.**
- Integral or separated by-pass.
- AC or EC motors.

certified by bre According to EN308

REC IN LINEA TC

Centralized Heat Recovery Units
Horizontal installation



2 - 8 rooms

Energy Class A

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014 Residential Ventilation Unit.

- Thermal efficiency up to **91%**
- Tested by **BRE according to EN308**
- Integrated by-pass
- EC motors

FEATURES

- High efficiency centralized heat recovery units with thermal efficiency up to 91%.
- Compact and modular.
- Horizontal installation in false ceilings.
- Lightweight and easy to install.
- Suitable for ø 125 mm ducting system.
- Made in PPE for a perfect thermal and acoustic insulation.
- Provided with integrated by-pass.
- Multispeed high efficiency EC brushless motors.
- Low sound level.
- Filters class M6 in addition to the filters assembled.
- Supplied with fixing plate, and RLS 1WR control panel (EC motor versions).
- IPX2.
- Comply with EN 60335-2-80, B.T. 2014/35/UE, EMC 2014/30/UE
- Performance measured by BRE according to EN 13141-7, EN 13101-4, EN 5801 and EN 308.
- CE marked

PERFORMANCE

MODEL	AIRFLOW MAX		PRESSURE MAX	V at 50 Hz	W max	A max	dB(A)*
	m³/h	l/s	Pa				
REC in linea 140 EC Plus TC	140	39	210	230	50	0,55	24
REC in linea 180 EC Plus TC	180	50	200	230	70	0,65	24
REC in linea 220 EC Plus TC	220	61	340	230	106	0,90	26

* Lp (A) measured at 3 m in open field 230V 50 Hz

CONTROLLERS

REC In Linea TC is supplied with a remote Touch Panel controller with coloured screen.
The panel allows to manually or automatically manage (through the weekly programming) the following functions:

- The Speed/ventilation level regulation
- The ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- The threshold humidity level over which the unit increases its speed
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- The Sleep modality that allow to have the unit running silently at low speed during the night

MODELS

Complete range composed of 3 models for houses up to 8 rooms:

REC IN LINEA 140 TC

- Ideal for houses up to **4 rooms** and average surface of 80 sqm.
- Installation configuration: **2 intake points and 2 extract points.**
- Max airflow **140 m³/h.**

REC IN LINEA 180 TC

- Ideal for houses up to **6 rooms** and average surface of 100 sqm.
- Installation confi guration: **3 intake points and 3 extract points.**
- Max airflow **180 m³/h.**

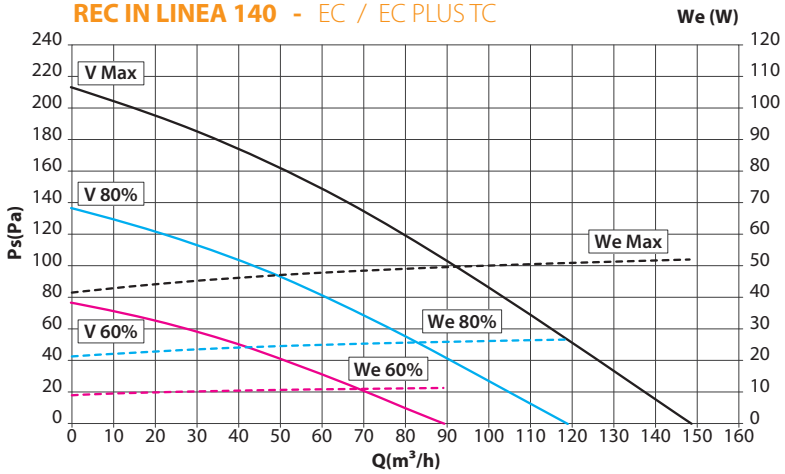
REC IN LINEA 220 TC

- Ideal for houses up to **8 rooms** and average surface of 120 sqm.
- Installation configuration: **4 intake points and 4 extract points.**
- Max airflow **220 m³/h.**

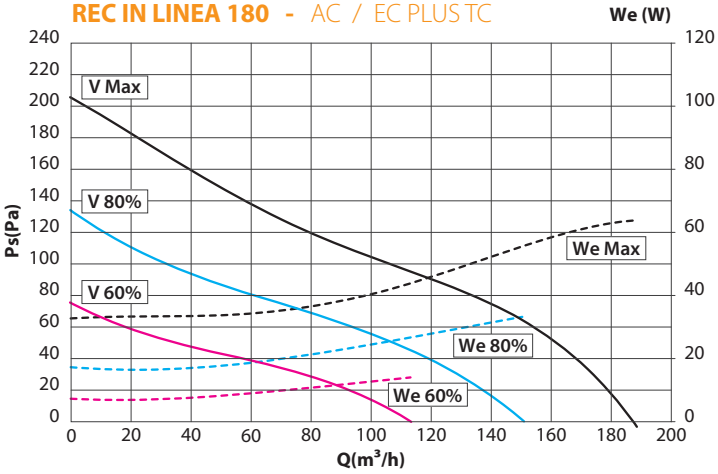
certified by bre According to EN308

CURVES

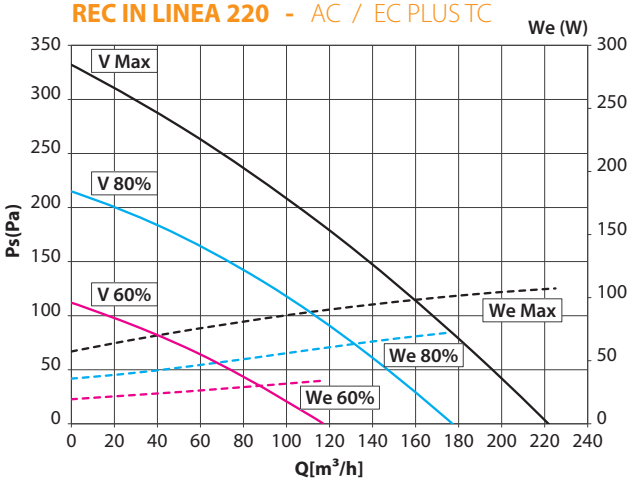
REC IN LINEA 140 - EC / EC PLUS TC



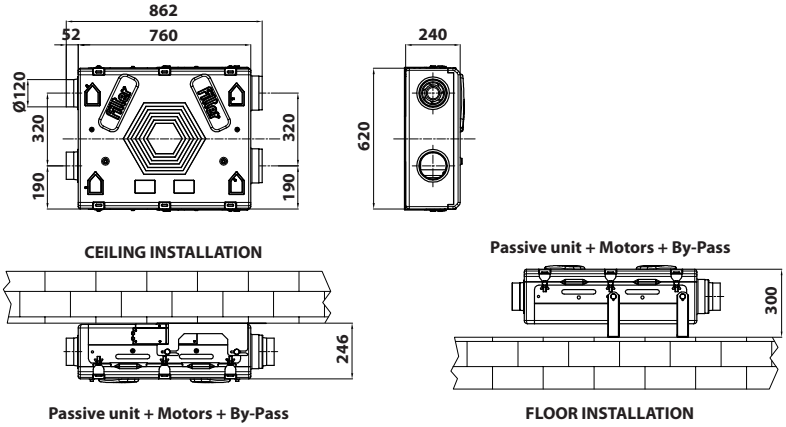
REC IN LINEA 180 - AC / EC PLUS TC



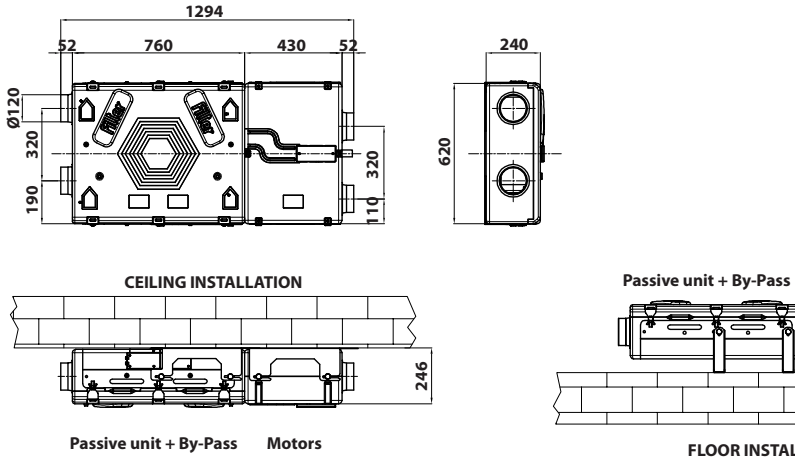
REC IN LINEA 220 - AC / EC PLUS TC



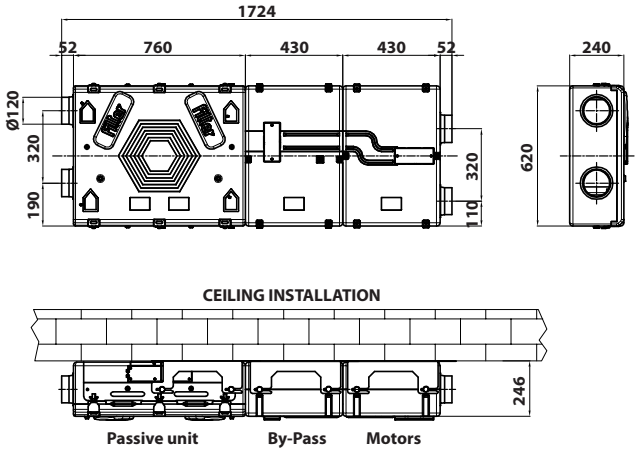
DIMENSIONS (mm)



REC in linea 140
REC in linea TC 140
Kg. 13



REC in linea 180
REC in linea TC 180
Kg. 18,5



REC in linea 220
REC in linea 220 TC
Kg. 22

REC 280 - 320

Centralized Heat Recovery Units
Vertical installation

Up to 10 rooms

Energy class A
(REC 320)

- Thermal efficiency up to **93%**
- High energy saving thanks to EC motors

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014 Residential Ventilation Unit.

CONTROLLERS

SUPPLIED

RLS 1 WR

- Remote control
- Manual selection of three modality of continuous running:
  I - Low ventilation modality
  II - Intermediate ventilation modality
  III - Intensive ventilation modality
- Supply voltage 230V – 50/60 Hz
- Weight 0,50 Kg
- Dimensions 75 x 75 x 30

Supplied with REC 320

ACCESSORY

RLS 3V - 3 speeds

- Remote 3 speed control (Min/Max) and On/Off switch
- New design with cover
- Suitable for surface or built-in installation
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42

Suitable for REC 280

FEATURES

- Centralized heat recovery unit for vertical installation.
- Suitable for ø 125 mm ducting system.
- Casing made in galvanized steel sheet with epoxy finish
- Internal panels in PPE for a perfect thermal and acoustic insulation.
- Integrate or optional by-pass.
- Multispeed high efficiency motors.
- Low sound level.
- Integrated filter system class G4.
- Supplied with RLS 1WR control panel (EC motor versions).
- IPX4.
- Comply with EN 60335-2-80, B.T. 2006/95/CE, EMC 2004/108/CE
- Performance measured by BRE according to EN 13141-7, EN 13101-4, EN 5801 and EN 308.

PERFORMANCE

MODEL	m³/h max	l/s max	V	W max	A max	dB (A)*	Kg
REC 280 AC	280	78	230	236	1	26	27,5
REC 320 EC	320	89	230	70	1,20	26	28

* Lp(A) at 3 m in open field at the maximum aeraulic efficiency point (min. speed AC version and speed setting 60% EC version)

MODELS

REC 280 AC

- Provided with external rotor motor and forward blade impeller 2 speed running: continuous running at the minimum speed, maximum speed is activated through remote control.
- Ideal for houses up to **10 rooms**.
- Installation configuration:
  5 intake points and 5 extract points.
- Max airflow **280 m3/h.**
- High efficiency heat recovery: **93%.**
- Made in steel with epoxy finish.
- Ducting system ø 125 mm.
- Integrated filter system class G4, easily removable.
- **Integrated by-pass.**
- **AC motor.**

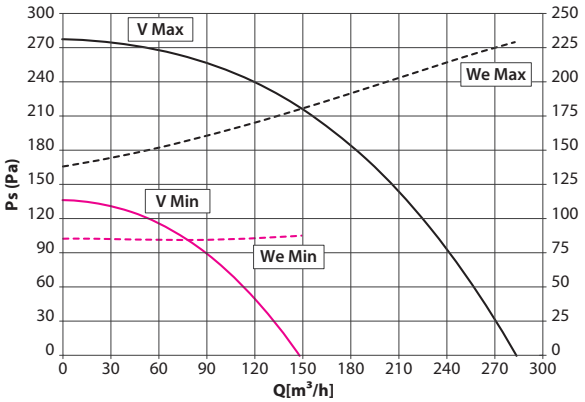
REC 320 EC

- Provided with brushless motor for an optimal combination between high performance, silence and low energy consumption.
- Ideal for houses up to **10 rooms.**
- Installation configuration:
  5 intake points and 5 extract points.
- Max airflow **320 m3/h.**
- High efficiency heat recovery: **93%.**
- Made in steel with epoxy finish.
- Ducting system ø 125 mm.
- Integrated filter system class G4, easily removable.
- **Integrated by-pass.**
- **EC motor.**

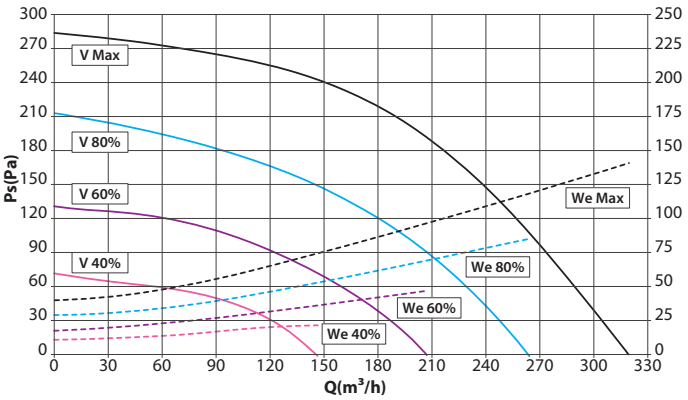
certified by bre According to **EN308**

CURVES

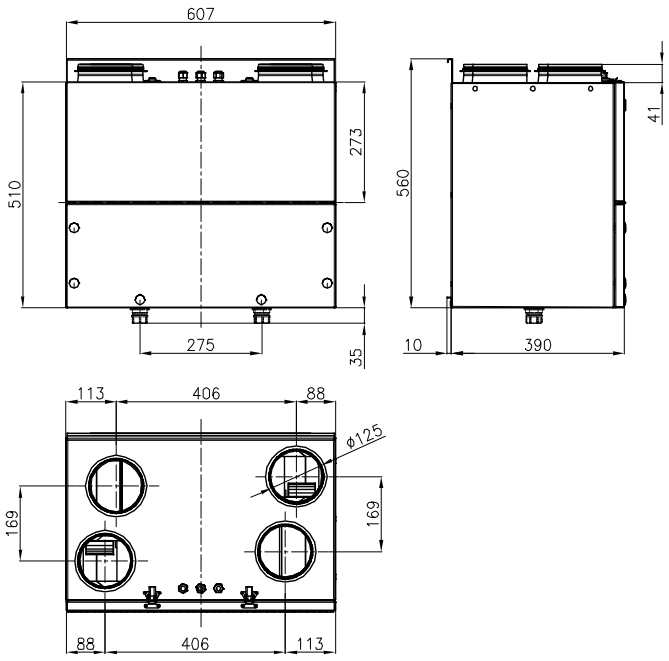
REC 280 AC



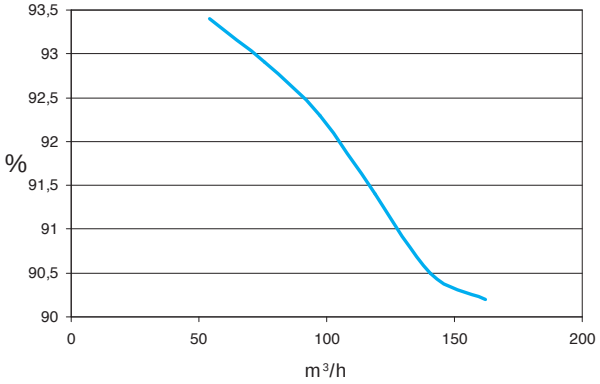
REC 320 EC



DIMENSIONS (mm)



EFFICIENCY GRAPH



REC 320 TC

Centralized Heat Recovery Units
Vertical installation

Up to 10 rooms

Energy class A

- Thermal efficiency up to **93%**
- Tested by BRE according to EN308
- Integrated by-pass

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014 Residential Ventilation Unit.

REC 320 TC is supplied with a remote Touch Panel controller with coloured screen. The panel allows to manually or automatically manage (through the weekly programming) the following functions:

- The Speed/ventilation level regulation
- The ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- The threshold humidity level over which the unit increases its speed
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- The Sleep modality that allow to have the unit running silently at low speed during the night

FEATURES

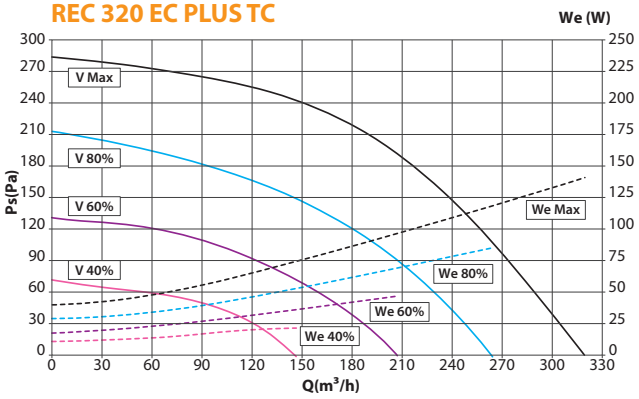
- High efficiency centralized heat recovery unit with thermal efficiency up to 93%.
- Provided with brushless motor for an optimal combination between high performance, silence and low energy consumption.
- Ideal for houses up to 10 rooms.
- Installation configuration: 5 intake points and 5 extract points.
- Max airflow 320 m3/h.
- Centralized heat recovery unit for vertical installation.
- Suitable for ø 125 mm ducting system.
- Casing made in galvanized steel sheet with epoxy finish
- Internal panels in PPE for a perfect thermal and acoustic insulation.
- Integrate or optional by-pass.
- Multispeed high efficiency motors.
- Low sound level.
- Integrated filter system class G4.
- Supplied with control panel
- IPX4.
- Comply with EN 60335-2-80, B.T. 2006/95/CE, EMC 2004/108/CE
- Performance measured by BRE according to EN 13141-7, EN 13101-4, EN 5801 and EN 308.
- CE marked

PERFORMANCE

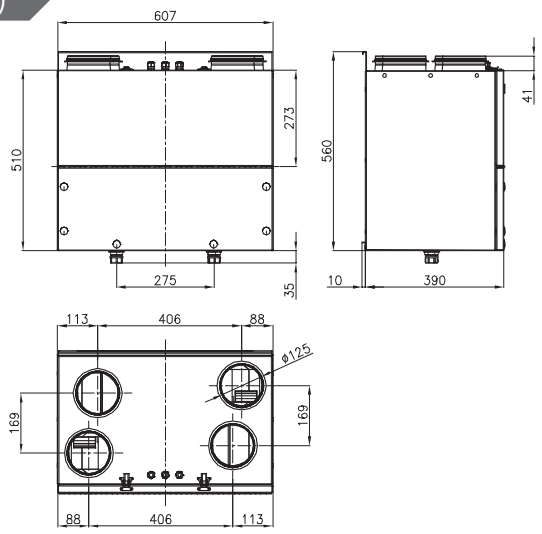
MODEL	m³/h max	l/s max	V	W max	A max	dB (A)*	Kg
REC 320 EC PLUS TC	320	89	230	100	0,90	26	28

* Lp(A) at 3 m in open field

CURVES

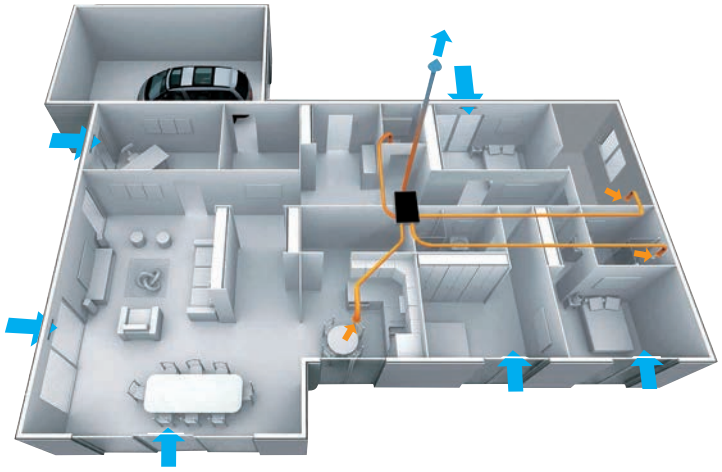


DIMENSIONS (mm)



RESIDENTIAL AND COMMERCIAL EXTRACT VENTILATION

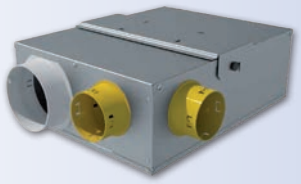
Centralized extract ventilation



High efficiency central ventilation solutions for air extract: the stale air is exhausted from humid rooms (kitchen, bathroom, toilets, laundry). The fresh air is supplied by specific air entrance points.

- High energy efficiency with EC motors.
- Designed for ease of installation and low noise running
- All models available with EC motors.

MICROBOX

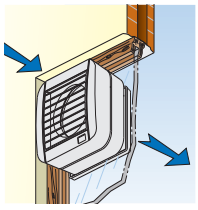


MULTIBOX

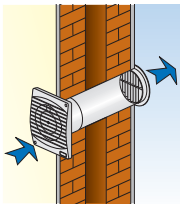
Decentralized extract ventilation - Design and Performance

AXIAL FANS

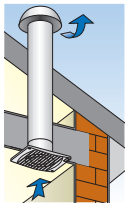
Axial fans are designed to extract large volumes of low pressure air directly to the outside or over short duct lenghts.
They can be suitable for wall, window, duct and ceiling application.



WINDOW



WALL

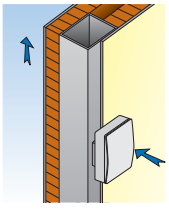


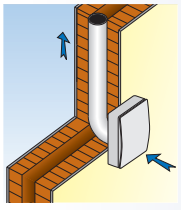
CEILING

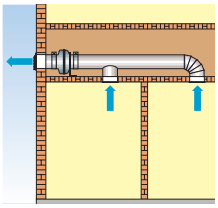
CENTRIFUGAL FANS

Centrifugal fans are designed to extract air over long distances and to overcome the resistance of long length and curved ducting. They are suitable for wall, ceiling, roof installation, in single or multiple ducts.

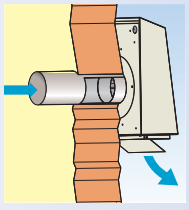
DUCT INSTALLATION

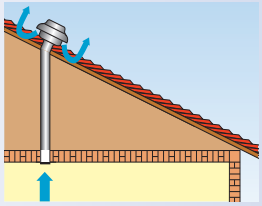






OUTDOOR INSTALLATION





MICROBOX

Whole-house mechanical extract ventilation
Super-slim centrifugal box

MODELS	CONFIGURATION	MOTOR	m³/h	l/s	W	A	dB(A)*
			max	max	max	max	max
MICROBOX 3V (1)	80/125	AC	101/175/246	28/47/68	13/25/49	0,13/0,18/0,22	41
MICROBOX CONTROL (1)	80/125	AC	246	68	84	0,75	49
MICROBOX CONTROL+ HY	80/125	AC	246	68	84	0,75	49
MICROBOX CONTROL+ AQS	80/125	AC	246	68	84	0,75	49
MICROBOX EC HY	80/125	EC	310	86	84	0,75	49
MICROBOX EC AQS	80/125	EC	310	86	84	0,75	49
MICROBOX 3V (1)	3X80/125	AC	101/175/246	28/47/68	13/25/49	0,13/0,18/0,22	41
MICROBOX CONTROL (1)	3X80/125	AC	246	68	84	0,75	49
MICROBOX CONTROL+ HY	3X80/125	AC	246	68	84	0,75	49
MICROBOX CONTROL+ AQS	3X80/125	AC	246	68	84	0,75	49
MICROBOX EC HY	3X80/125	EC	310	86	84	0,75	49
MICROBOX EC AQS	3X80/125	EC	310	86	84	0,75	49

Lp(A) measured at 3 m in open field 230V-50Hz
(1) Available for extra UE markets only

Comply with ErP Directive and UE Regulation 1253/2014 Ventilation Unit (VU)

- High energy saving
- SUPER-SLIM
- Extreme ease of installation and maintenance
- All versions are speed controllable

CONTROLLERS

RLS 3V
Suitable for
Microbox 3V *See pag. 79*

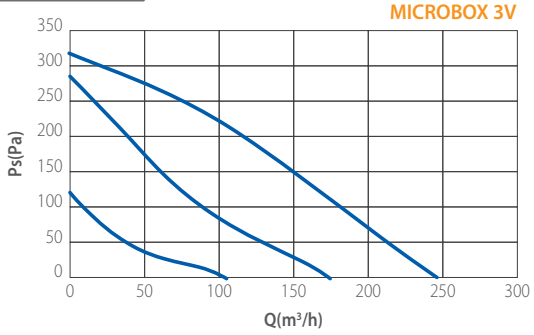
CP
Suitable for
Microbox Control *See pag. 79*

CP-RH *See pag. 80*
Supplied with
Microbox Control+ HY and Microbox EC HY

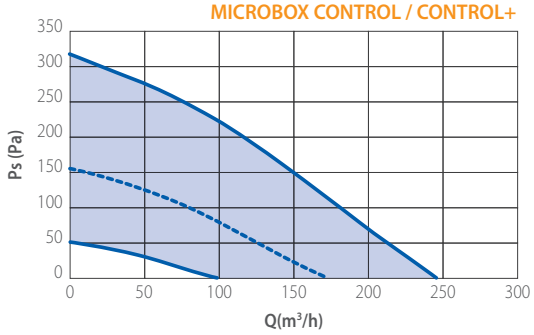
CP-AQS *See pag. 80*
Supplied with
Microbox Control+ AQS and Microbox EC AQS

CURVES

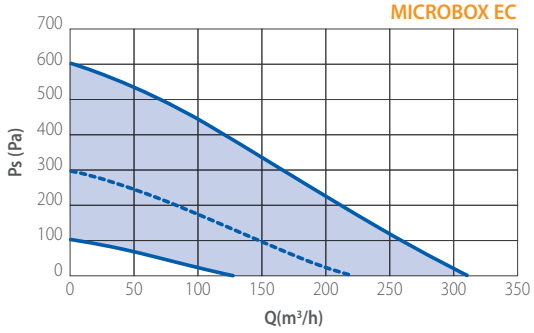
MICROBOX 3V



MICROBOX CONTROL / CONTROL+

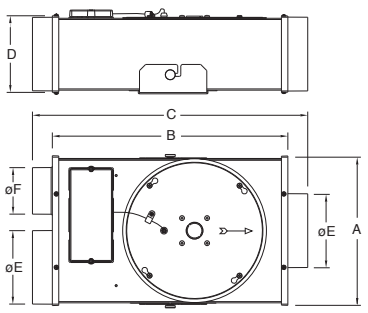


MICROBOX EC



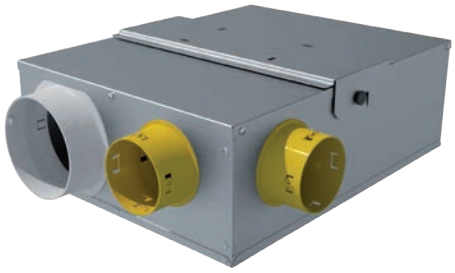
DIMENSIONS (mm)

TYPE	A	B	C	D	ØE	ØF	Kg
MICROBOX	241	384	448	135	125	80	5,8



MULTIBOX

Whole-house mechanical extract ventilation
Multiport centrifugal box



MODELS	CONFIGURATION	MOTOR	m³/h	l/s	W	A	dB(A)*
			max	max	max	max	max
MULTIBOX 3V (I)	3X80/125	AC	153/198/348	42,5/55/97	14/23/47,5	0,12/0,16/0,21	35
MULTIBOX CONTROL (I)	3X80/125	AC	348	97	47,5	0,21	37
MULTIBOX CONTROL+ HY	3X80/125	AC	348	97	47,5	0,21	37
MULTIBOX CONTROL+ AQS	3X80/125	AC	348	97	47,5	0,21	37
MULTIBOX EC HY	3X80/125	EC	460	128	85	0,77	37
MULTIBOX EC AQS	3X80/125	EC	460	128	85	0,77	37

Lp(A) measured at 3 m in open field 230V-50Hz
(I) Available for extra UE markets only

Comply with ErP Directive and UE Regulation 1253/2014 Ventilation Unit (VU)

- High energy saving
- Provided with 3xØ80 + 1xØ125 mm inlet spigots and 1xø125mm outlet spigot
- Silent operation
- Extreme ease of installation and maintenance
- Silent operation thanks to acoustic insulation lining
- All versions speed controllable

CONTROLLERS

RLS 3V
Suitable for
Multibox 3V *See pag. 79*

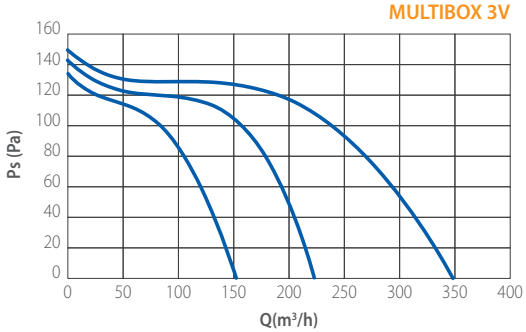
CP
Suitable for
Multibox Control *See pag. 79*

CP-RH *See pag. 80*
Supplied with
Multibox Control+ HY and Multibox EC HY

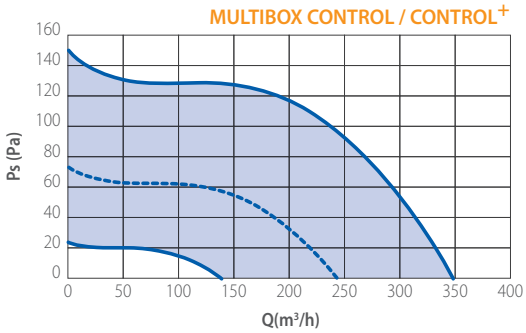
CP-AQS *See pag. 80*
Supplied with
Multibox Control+ AQS and Multibox EC AQS

CURVES

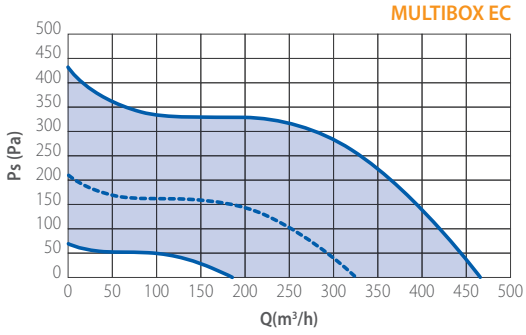
MULTIBOX 3V



MULTIBOX CONTROL / CONTROL+

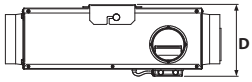


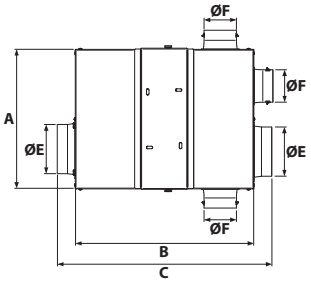
MULTIBOX EC



DIMENSIONS (mm)

TYPE	A	B	C	D	Ø E	Ø F	Kg
MULTIBOX	345	437	523	174	125	80	6,2





AXM

Mixed flow In-line duct fans

MODELS	m³/h	l/s	W	A	dB(A)* at 3 m	
					Lw	Lp
AXM 100	160/250	44/69	35	0,1/0,18	55	39
AXM 125	180/300	50/83	36	0,1/0,18	54	44
AXM 150	340/480	94/133	70	0,27/0,36	66	50
AXM 160	340/480	94/133	70	0,27/0,36	65	50
AXM 200	720/820/910	200/228/253	75	0,24/0,27/0,34	58	43

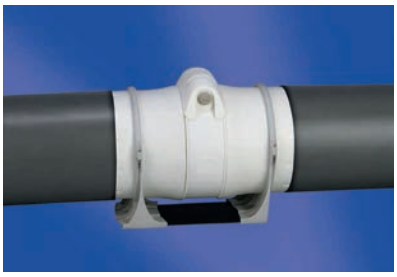
* Lp(A) measured at 3m in open field 230V-50Hz.

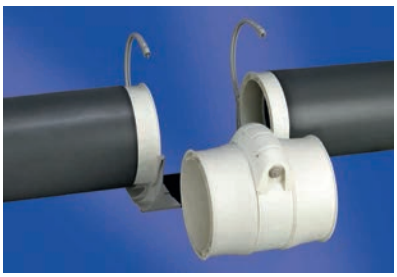
Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011. Classification FAN.

- Duct fans, entirely made of polypropylene.
- For direct installation between ducts.
- Easy inspection and maintenance by simply opening the clamp and removing the fan.
- Helicocentrifugal mixed flow impeller with downstream stator. Made in ABS.
- Asynchronous motor, 2 and 3 speeds, depending on model.
- IP 44 Protection, Motor Class B.
- Robust motor with ball bearings, maintenance-free.
- 220 - 240 V at 50 Hz.
- Speed control using phase control or transformer (exception: Version with timer).
- Thermal overload protection as a standard feature.
- Externally fitted terminal box with cable entry grommet.

BENEFITS

- High efficiency resulting in minimum energy costs.
- Quiet running thanks to optimized aerodynamics and guide vanes.
- Easy installation: pre-installed mounting brackets and external connection box.
- Simplified maintenance by loosening the clamps (no need to handle the duct).
- Versatile installation.





VERSIONS

Timer

CONTROLLERS

ACCESSORIES

R 10
Electronic speed controller
max load 1A

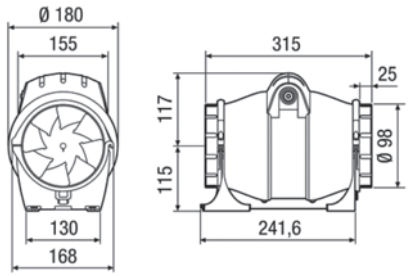
See pag. 79

RVS
5 steps speed controller with transformer max load 0,5 A

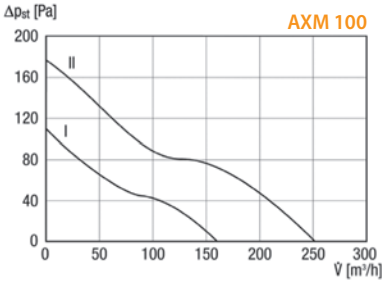
See pag. 79

AXM 100

DIMENSIONS (mm)

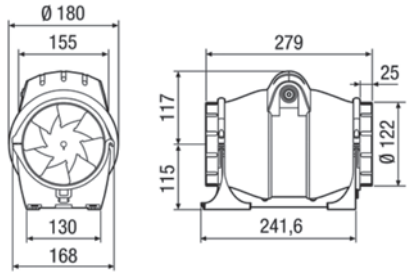


CURVES

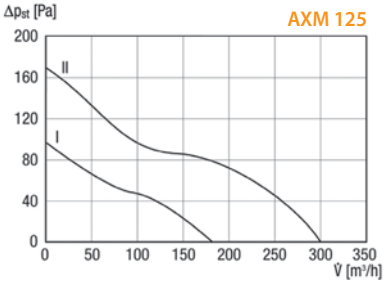


AXM 125

DIMENSIONS (mm)

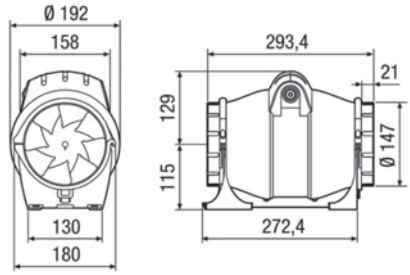


CURVES

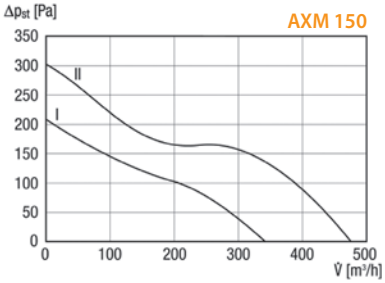


AXM 150

DIMENSIONS (mm)

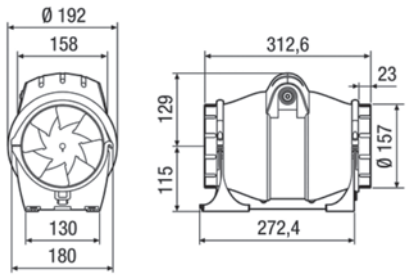


CURVES

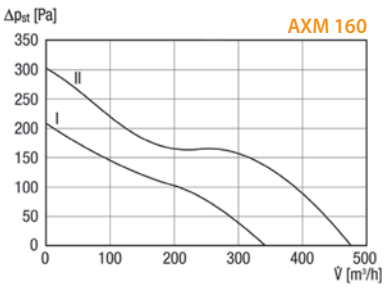


AXM 160

DIMENSIONS (mm)

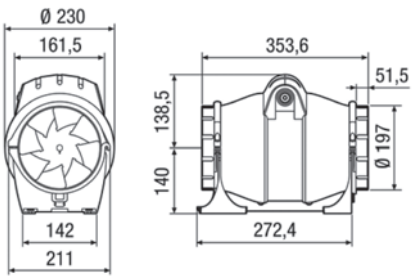


CURVES

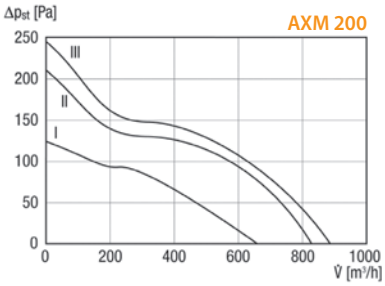


AXM 200

DIMENSIONS (mm)



CURVES



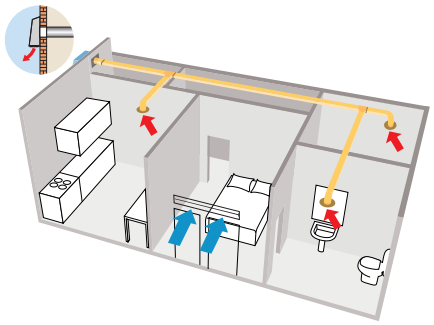
EXT

Centrifugal fans for outdoor installation

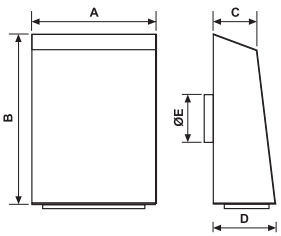
Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014.
Residential Ventilation Unit.
To comply with the ErP2018 parameters, a local demand controller must be used.

- High performance centrifugal fans for outdoor installation.
- Ideal in environments where aesthetics, space or noise level are of concern.
- Easy and cost-effective solution for a centralized ventilation requirement.
- 8 models Ø100 to 200 mm
- Steel housing with epoxy finish.
- Ball bearing motor. Backward curved blades.
- EC Version available

INSTALLATION



DIMENSIONS



MODELS	A	B	C	D	ØE	Kg
EXT 100	260	355	92	131	98	4,8
EXT 125	260	355	92	131	122	4,8
EXT 150 A	260	355	92	131	148	5
EXT 150 B	360	450	116	155	148	7,4
EXT 160 A	260	355	92	131	158	5
EXT 160 B	360	450	116	155	157	7,4
EXT 200 A	360	450	116	155	198	7,4
EXT 200 B	360	450	116	155	198	7,4

IPX4 max 60°

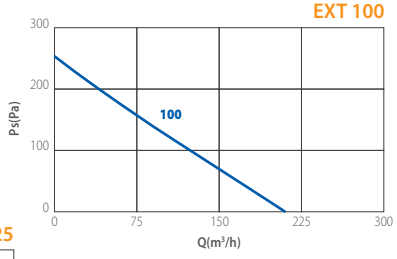
PERFORMANCES

MODELS	m³/h	l/s	Pa	W	A	dB(A)*
EXT 100	217	60	268	28	0,13	44
EXT 125	269	75	259	28	0,13	44
EXT 150 A	426	118	322	56	0,24	56
EXT 150 B	708	197	467	110	0,48	59
EXT 160 A	433	120	309	56	0,24	56
EXT 160 B	755	210	480	120	0,53	61
EXT 200 A	793	220	486	120	0,53	61
EXT 200 B	908	252	609	158	0,70	65

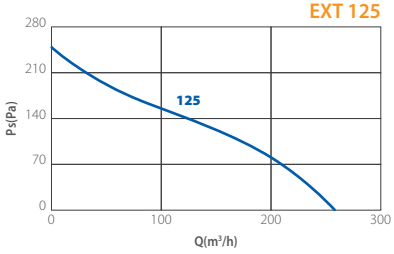
*LpA measured at 3m in open field 230V-50Hz.

CURVES

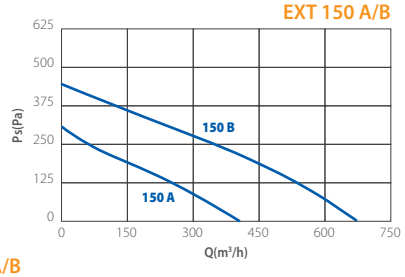
EXT 100



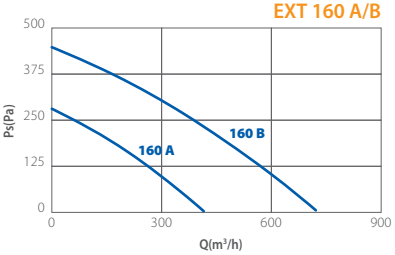
EXT 125



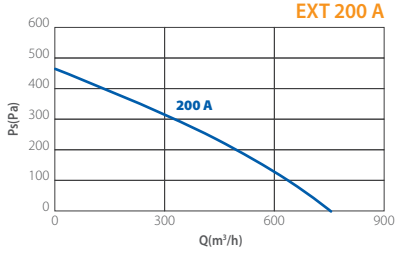
EXT 150 A/B



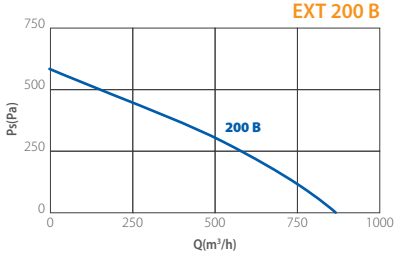
EXT 160 A/B



EXT 200 A



EXT 200 B

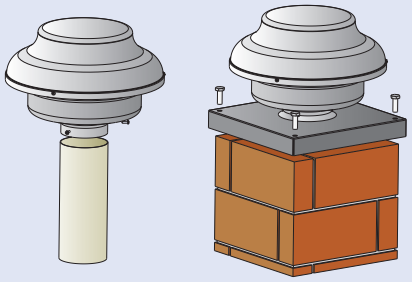


MRF

Centrifugal roof fans

Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014.
Residential Ventilation Unit.
To comply with the ErP2018 parameters, a local demand controller must be used.

- High performance centrifugal fans for roof installation.
- Compact sizes, available with or without square roof curb.
- Easy and cost-effective solution for a centralized ventilation requirement.
- 7 models Ø100 to 315 mm
- Made in alluminium and steel sheet with epoxy finish, highly resistant to atmospheric agents.
- Ball bearing motor.
- EC Version available

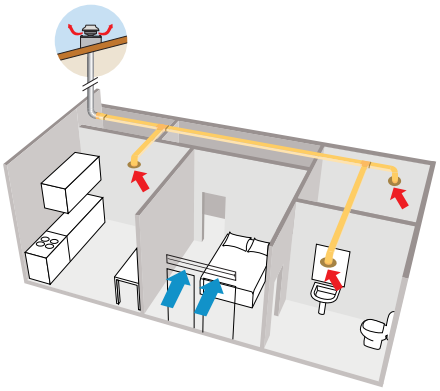


MRF **MRF/BA**

MODELS

- MRF
- MRF with square roof curb

INSTALLATION



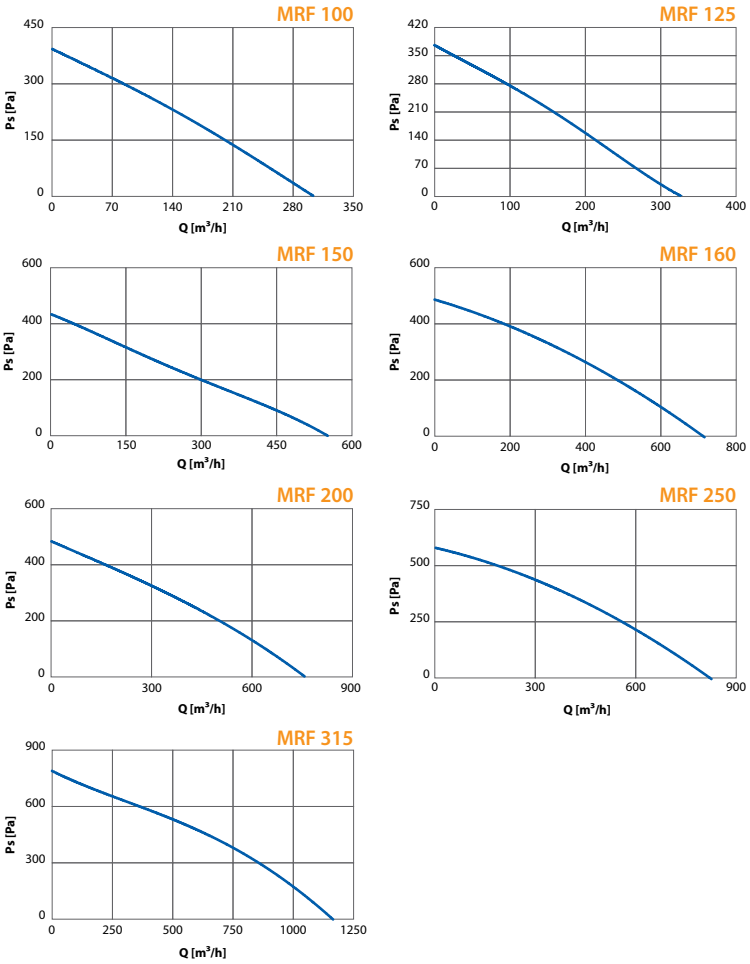
IPX5 max 60°

PERFORMANCES

MODELS	m³/h	l/s	Pa	W	A	dB(A)*
MRF 100	318	88	415	74	0,22	52
MRF 125	342	95	395	75	0,22	52
MRF 150	579	161	459	80	0,37	52
MRF 160	736	204	515	116	0,47	54
MRF 200	794	280	503	200	0,48	55
MRF 250	866	240	602	203	0,65	51
MRF 315	1222	339	838	247	1,10	55

*LpA measured at 3m in open field 230V-50Hz.

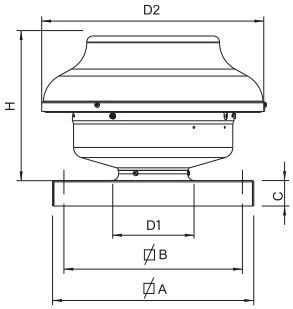
CURVES



DIMENSIONS (mm)

MODELS	D1	D2	H	⌀ A	⌀ B	C	Kg	Kg*
MRF100	98	333	225	300	265	36	3,1	4,6
MRF125	122	333	225	300	265	36	3,1	4,6
MRF150	147	405	266	400	360	36	4,2	6,2
MRF160	157	405	266	400	360	36	5	6,2
MRF200	198	405	266	400	360	36	5,5	6,8
MRF250	248	405	266	400	360	36	6	7,3
MRF315	314	484	322	400	360	36	7	10

* Models with square roof curb



AXC

Centrifugal in-line duct fans
Metal Version

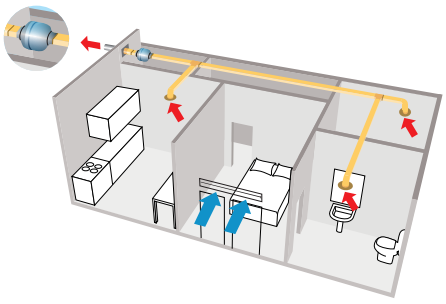
Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014.
Residential Ventilation Unit.
To comply with the ErP2018 parameters, a local demand controller must be used.

- High performance centrifugal fans for in-line duct installation.
- Easy and cost-effective solution for a centralized ventilation requirement.
- 11 models Ø100 to 315 mm.
- Steel housing with epoxy finish inside and outside.
- Ball-bearing motor. Backward curved blades.
- Impeller in tecnopolymer up to size 250 - Metal on size 315-355.
- EC Version available

SUPPLIED

Wall fixing brackets.

INSTALLATION

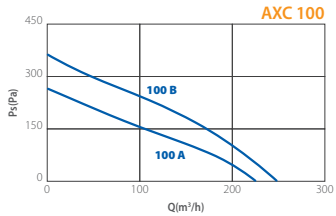


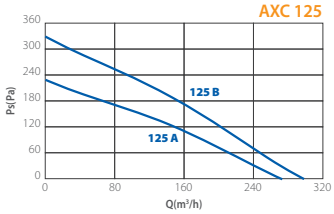
PERFORMANCES

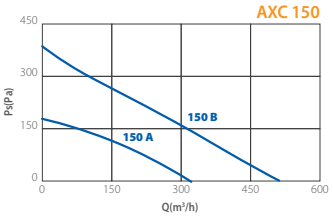
MODELS	m³/h	l/s	Pa	W	A	dB(A)*
AXC 100 A	237	66	279	27	0,13	30
AXC 100 B	260	72	383	50	0,23	36
AXC 125 A	287	80	238	27	0,13	32
AXC 125 B	313	87	345	50	0,23	36
AXC 150 A	337	94	189	29	0,14	33
AXC 150 B	537	149	406	80	0,37	39
AXC 160 A	365	101	203	29	0,14	31
AXC 160 B	754	209	476	110	0,50	38
AXC 200	887	246	460	110	0,50	34
AXC 250	1114	309	543	150	0,65	43
AXC 315	1439	400	742	260	1,14	43
AXC 355 A **	2200	611	349	240	1,12	57
AXC 355 B **	2350	653	902	650	2,82	77

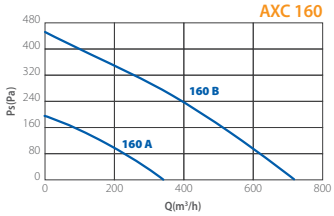
*LpA measured at 3m in open field 230V-50Hz. **Available for extra UE markets only without CE marking.

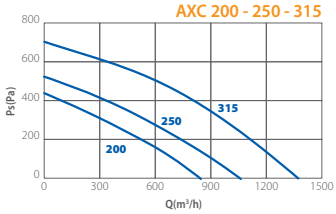
CURVES

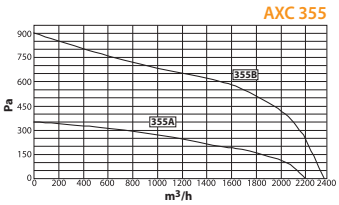




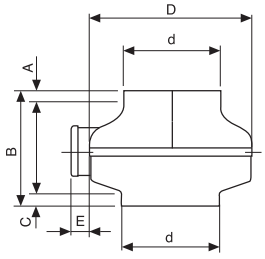






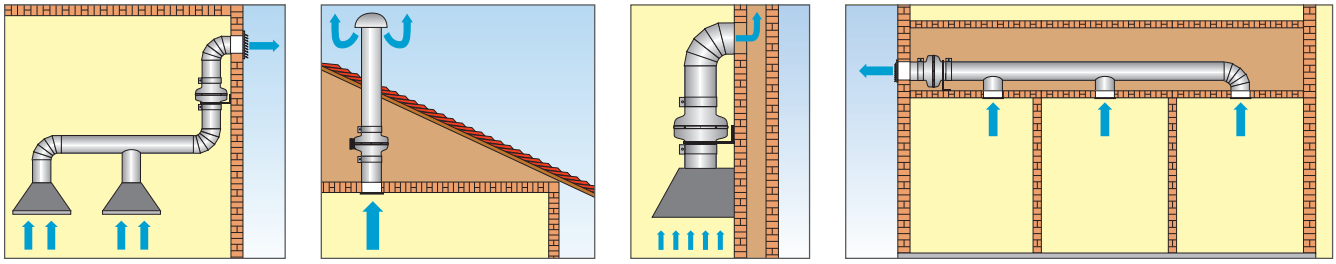


DIMENSIONS



MODELS	A	B	C	ØD	Ød	E	Kg
AXC 100 A	12	215	24	245	98	38	3
AXC 100 B	12	215	24	245	98	38	3
AXC 125 A	11	214	24	245	122	38	3
AXC 125 B	11	214	24	245	122	38	3
AXC 150 A	21	216	23	245	147	38	3
AXC 150 B	22	230	22	333	148	38	5
AXC 160 A	24	215	24	245	157	38	3
AXC 160 B	21	230	22	333	158	38	5
AXC 200	22	230	27	333	198	38	5
AXC 250	22	230	35	333	248	38	5
AXC 315	30	297	52	404	314	38	8
AXC 355 A	44	400	50	484	355	38	12
AXC 355 B	44	400	50	484	355	38	14

INSTALLATION



AXC TP

Centrifugal in line duct fans
TP Version

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit).

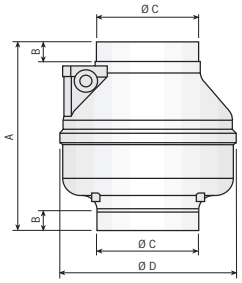
- Lightweight and silent
- Made in self-estinguishing V2 technopolymer
- Backward curved blades and ball bearing motor provided with thermal cut-out
- 4 models with Ø from 100 to 160 mm
- IMQ mark on models 150 and 160

PERFORMANCES

MODELS	DUCT Ø mm	m³/h	l/s	Pa	A	W	dB (A)*
AXC 100 TP	100	211	58	263	0,127	27	36,1
AXC 125 TP	125	265	73	251	0,129	27	37,1
AXC 150 TP	150	415	115	301	0,290	65	38,1
AXC 160 TP	160	431	120	294	0,284	65	39,1

*LpA measured at 3m in open field 230V-50Hz.

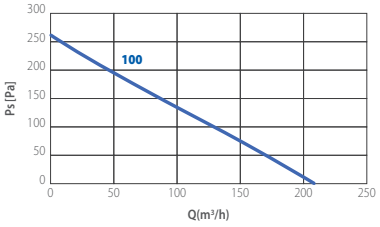
DIMENSIONS (mm)



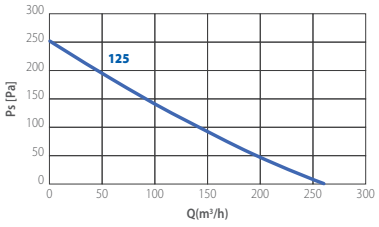
MODELS	A	B	ø C	ø D	Kg.
AXC 100 TP	238	25	98	212	1,5
AXC 125 TP	238	25	123	212	1,5
AXC 150 TP	232	28	147	253	2
AXC 160 TP	232	28	157	253	2

CURVES

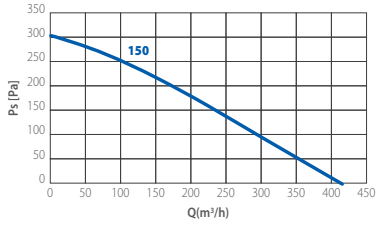
AXC TP 100



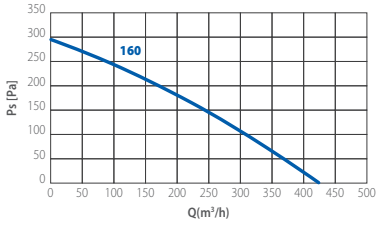
AXC TP 125



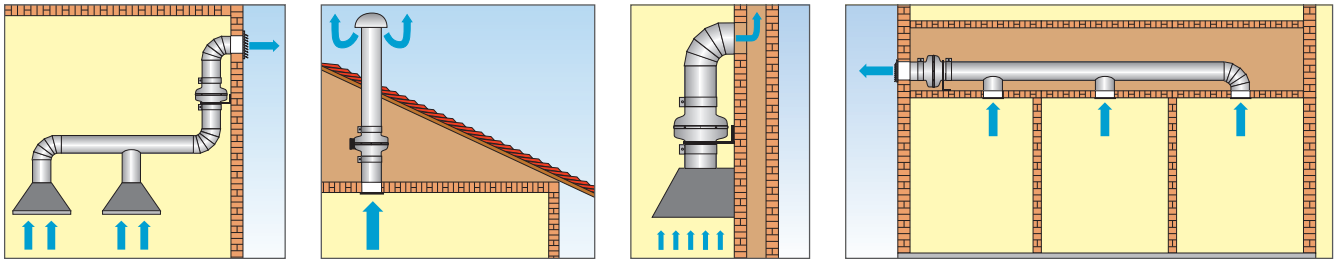
AXC TP 150



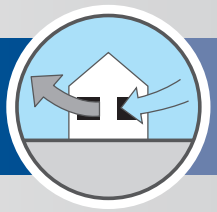
AXC TP 160



INSTALLATION



RESIDENTIAL AND COMMERCIAL EXTRACT VENTILATION

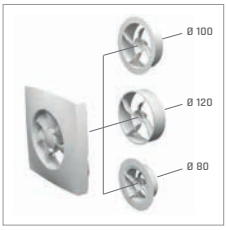


@max

MAXIMISE YOUR VENTILATION EXPERIENCE

OPTIMIZED DESIGN

@max IS THE INNOVATIVE UNIVERSAL AND MODULAR AXIAL FAN DESIGNED FOR A MAXIMIZED COMFORT VENTILATION IN SHOWER ROOMS, BATHROOMS, KITCHENS AND ANY RESIDENTIAL PREMISES WHERE INDOOR AIR QUALITY IS A MUST.
ITS ADVANCED AND INTEGRATED CONTROL FUNCTIONS ALLOW SOLUTIONS TAILORED TO PERSONAL NEEDS: A SMART AND FRIENDLY INNOVATION AT THE SERVICE OF YOUR WELL-BEING.



INTERCHANGEABLE OUTLET SPIGOTS

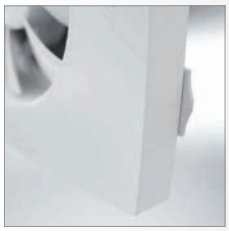
@max is supplied with 3 interchangeable spigots of Ø 80, 100 and 120 mm, replaceable with a click, for an easy and quick installation on any standard air duct sizes.

SILENT AND HIGHLY EFFICIENT IMPELLER

The advanced aerodynamic design of the impeller, which is also provided with an antivibration gasket, combines high airflow capacity and the lowest noise level between, 15 and 29 dBA at the maximum performance.

DETACHABLE MOTOR-IMPELLER

The frame is featured with a quick connection in order to facilitate and speed up the fan installation or maintenance without the use of tools.

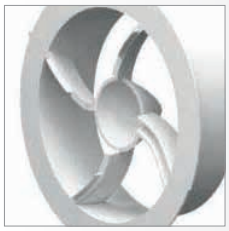


INTEGRATED SERVICE SWITCH

@max is equipped with an integrated on/off slide switch for a quick disconnection to power mains and a safe maintenance operation.

INTEGRATED SMART FUNCTIONS

@max is provided with different integrated smart functions which optimize its operation and reduce the energy consumption.



OPTIMIZED EFFICIENCY

@max outlet spigots are provided with deflectors, optimized through a Computational Fluid Dynamic (CFD) analysis, to ensure a maximized efficiency.

MULTI-DIAMETER
Ø80-100-120

MULTI-TENSION
110-240V- 50/60HZ

ENERGY-SAVING
1 - 3.8 W

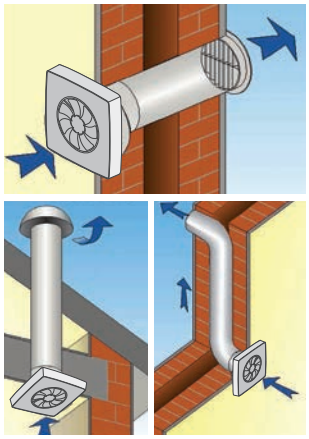
SILENT
15 - 29 dBA

Universal modular axial fan

Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014
Classification: Residential Ventilation Unit

- **Modular axial fan provided with 3 outlet spigots of Ø80 - Ø100 - Ø120 mm**
- Suitable for axial flow discharge towards the outside or through short ducts.
- Versatile installation on wall or ceiling.
- Very compact sizes and ultra-slim profile (33 mm without spigot), available with fixed grill.
- Equipped with an on/off service switch on board for a quick and safe disconnection from power mains.
- Integrated smart functions settable and controllable on board or via remote control according to versions.
- **Multi tension 110-240V 50-60Hz** ball bearing electronically commutated motor.
- Made of high quality antistatic technopolymer material.
- Optimized aerodynamic and fluid dynamic design.
- Impeller provided with an antivibration gasket.
- Aesthetic and smart LED on the cover with changing colors according to the ventilation modality.
- Back-draught shutters available on spigots (Ø 100 and 120).
- In compliance with EN 60335-2-80, EMC Directive 2014/30/UE, LVD Directive 2014/35/UE.

INSTALLATION



INCLUDING

REMOTE CONTROLLER INCLUDED WITH emax PLUS RC

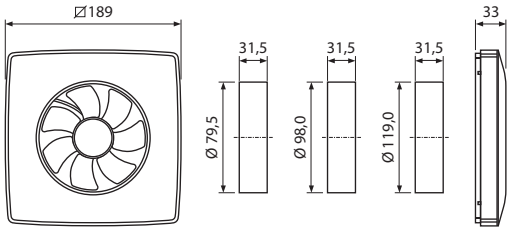
230 V | IPX4 | max 50°C | CE

PERFORMANCES

OUTLET DIAMETER	SPEED	A	POWER	AIR FLOW	l/s	PRESSURE	LpA@3m
			W	m³/h		Pa	dB(A)*
80	Max	0,034	3,6	65	18	50	29
	Medium	0,020	1,9	41	11	21	19
	Min	0,015	1,1	21	6	7	14
100	Max	0,034	3,6	104	29	53	30
	Medium	0,020	1,9	67	19	23	20
	Min	0,015	1,1	33	9	7	14
120	Max	0,035	3,8	129	36	59	28
	Medium	0,020	1,9	81	22,5	25	17
	Min	0,014	1,1	41	11	8	14

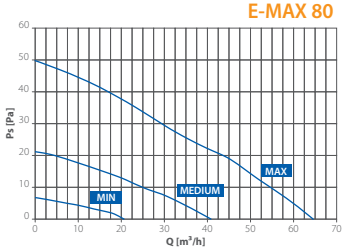
* Sound presuure calculated @ 3m in free field - Performance measured at 230V / 50 Hz

DIMENSIONS (mm)

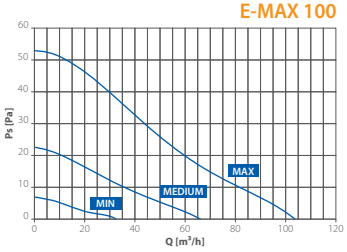


CURVES

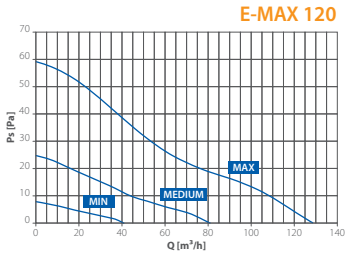
E-MAX 80



E-MAX 100



E-MAX 120



VERSIONS

STANDARD
On/Off via control switch (light or remote)

2V DT - 24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum via control switch (light or remote). The maximum speed is provided with a timer (adjustable from 0 to 30 minutes) which activation can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed. (DT/Delay Timer function, selectable at installation).

MHY - 24 hours running at low speed (not selectable). Speed boosts to maximum automatically or manually:
• **Automatically** via humidistat (adjustable from 45 to 85% of R.H). The fan speed increases/decreases according to the humidity level detected above the pre-selected threshold. It then switches back to the minimum speed when the humidity level goes beneath the pre-selected threshold and once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min).
• **Manually** via control switch (light or remote). The fan boosts to maximum via the manual switch and goes back to the low speed once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min).

PLUS - 24 hours running with minimum and maximum speeds both adjustable.
The operation is similar to the MHY version. In addition, the fan is provided with the DT/Delay Timer function (see E max 2V DT).

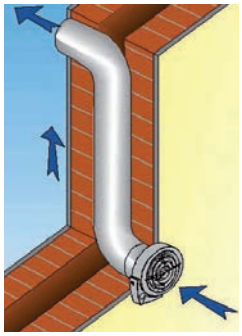
PLUS RC - This version is similar to the e max Plus one. In addition, it is supplied with a remote control from which it is possible to set 2 additional functions:
• an intermediate speed which will adjust automatically according to the minimum and maximum speeds selected.
• a sleep mode function that excludes the timer and humidistat functions for a period of 8 hours, preventing night disturbance.

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

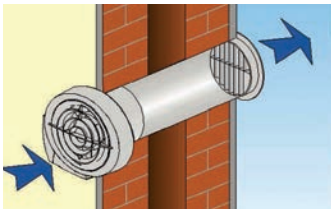
- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- Unique model ø100 mm
- High aeraulic performance
- Low consumption: from 5 to 7,5 W
- Suitable for medium length ducting
- Provided with ball bearing motor Long Life 30.000 hours and robust back-draught shutters

INSTALLATION

CEILING



SINGLE DUCT



WALL

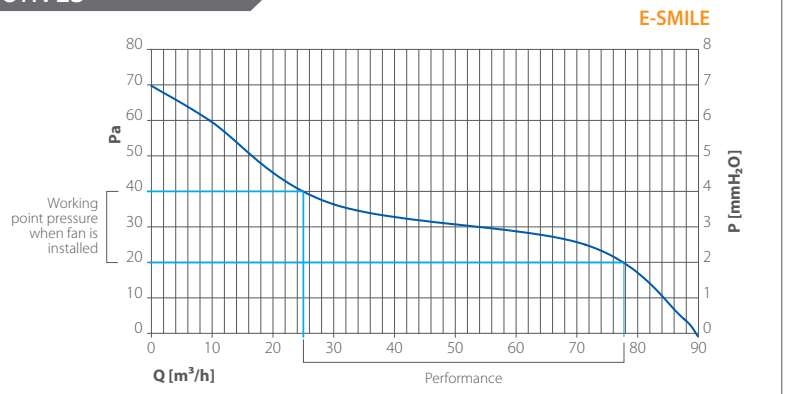
230 V | IPX4 | max 40°C

PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB(A)*
E-SMILE	90	25	71	7,5	29,4
E-SMILE COMFORTIMER	90 / 60	25 / 17	71 / 44	7,5 / 5	29,4 / 19
E-SMILE COMFORT HYGRO	90 / 60	25 / 17	71 / 44	7,5 / 5	29,4 / 19
E-SMILE PIR	90	25	71	7,5	29,4
E-SMILE SELV	90	25	71	7,5	29,4

*Lp(A) measured at 3m in open field 230V-50Hz.

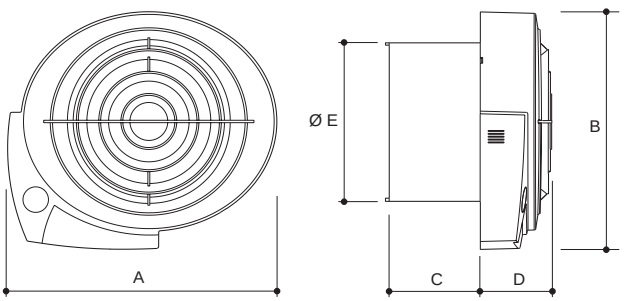
CURVES



VERSIONS

- **STANDARD** - On/off through light or remote control switch
- **PULL CORD** - On/off through pull cord switch
- **TIMER** - Integral electronic timer adjustable from 3 to 25 minutes
- **COMFORTIMER** - Overrun timer at low speed
- **MHT** - Humidity control, adjustable from 40 to 80% of R.H.
- **MHY** - Smart Humidity control automatic progressive increase/decrease of fan speed according to the percentage of R.H.
- **PIR** - On/off via Passive infrared sensor
- **2 SPEED** - 24 hours running at the lowest speed
- **SELV 12 V** - SELV 12 V a.c.

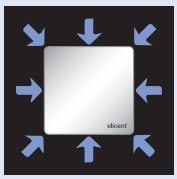
DIMENSIONS (mm)



MODEL	A	B	C	D	Eø	Kg
E-SMILE	168	150	57	45	99,8	0,67

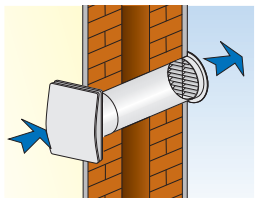
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- Innovative design with flat cover and lateral intake.
- Provided with ball bearing motor long Life 30.000 hours and backdraught shutters.
- Advanced profile which optimizes the fluid dynamic performance of the fan.

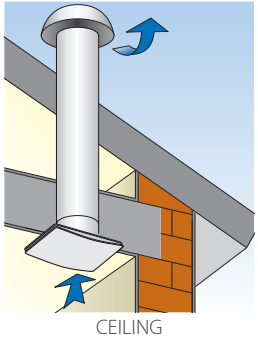


Lateral intake on the whole perimeter

INSTALLATION



WALL



CEILING

PERFORMANCES

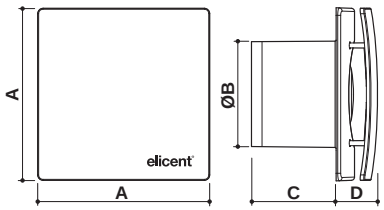
MODELS	PROTECTION	m³/h	l/s	Pa	W	dB(A)*
Standard - Timer - Pull cord - MHY smart						
ELEGANCE 100	IPX4	90	25	41	14	31,4
ELEGANCE 120	IPX4	165	46	54	15	36,7
ELEGANCE 150	IPX4	315	87	70	25	43,9
Comfortimer - 2 speed						
ELEGANCE 100	IPX4	90 / 58	25 / 16	41 / 20	14 / 6	31,4 / 27,4
ELEGANCE 120	IPX4	165 / 103	46 / 29	54 / 20	15/ 8	36,7 / 28,4
ELEGANCE 150	IPX4	315 / 182	87 / 50	70 / 15	25 / 13	43,9 / 29,5

*Lp(A) measured at 3m in open field 230V-50Hz.

VERSIONS

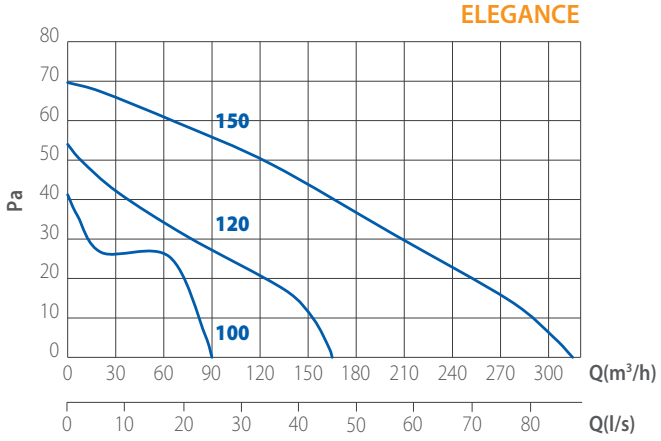
- **STANDARD** - On/off through light or remote control switch
- **PULL CORD** - On/off through pull cord switch
- **TIMER** - Integral electronic timer adjustable from 3 to 25 minutes
- **COMFORTIMER** - Overrun timer at low speed
- **MHY** - Smart Humidity control automatic progressive increase/decrease of fan speed according to the percentage of R.H.
- **2 SPEED** - 24 hours running at the lowest speed
- **2 SPEED MHT** - 2 speed MHT with humidity control

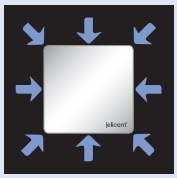
DIMENSIONS (mm)



MODELS	A	ØB	C	D	Kg
ELEGANCE 100	160	98	80	38	0,9
ELEGANCE 120	180	119	91	44	1,1
ELEGANCE 150	200	149	105	56	1,3

CURVES





Lateral intake on the whole perimeter

ELEGANCE EC 2V

- Energy efficient EC motor.
- Choice of 2 low speeds at installation.
- Provides low level continuous ventilation to control condensation.
- For any domestic wet room.
- Low noise levels and running costs.
- Wall, ceiling or window (with additional window kit) installation.

GENERAL FEATURES

- Exhausts directly to the outside (through wall, or window installation with additional window kit, or with medium length ducting - up to 6m).
- Runs continuously at pre-selected choice of two speeds (fixed at installation).
- Speed 1 operates at 31 m^3/h (9 l/s) (factory set).
- Speed 2 operates at 54 m^3/h (15 l/s).
- Anti-vibration gasket.
- Speed boosted to maximum 99 m^3/h (27,5 l/s) using integral pull cord or by:
  - Remote switch/light switch
  - Remote PIR sensor
  - Humidistat
- Patented anti-turbulence deflectors ensure very low noise levels and optimum performance.
- Energy saving ventilation.
- Extremely low running costs.
- Low carbon footprint.

TECHNICAL FEATURES

- Shockproof, high quality technopolymer casing.
- Designed using latest wind tunnel technology and CFD simulations.
- EC induction motor with thermal protection.
- 43,000 hour life motors with maintenance free and long life ball bearings.
- Operates in ambient temperatures up to 40°C.
- Double insulated - no earth required.
- IPX4 - Splashproof rated - can safely be installed in Zones I and II.

VERSIONS

EC 2V DT

24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum via control switch. The maximum speed is provided with a timer (adjustable from 0 to 30 minutes) which activation can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed. (DT option, selectable at installation).

EC 2V HDT

24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum automatically and/or manually:

- automatically via humidistat (adjustable from 40 to 90% of R.H). The fan switches back to the low speed when the humidity level goes beneath the pre-selected threshold and once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min).

- manually via control switch (remote or pull cord). The fan switches back to the low speed once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min). The activation of the timer can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed. (DT option, selectable at installation).

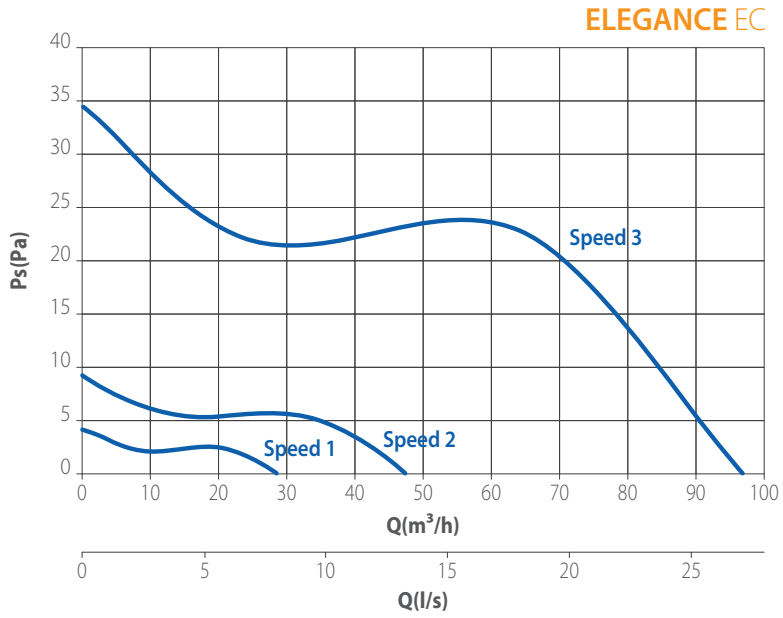
All EC models (100 2 speed, 2V DT, 2V HDT) are also available in SELV version, low voltage 12V.

PERFORMANCE

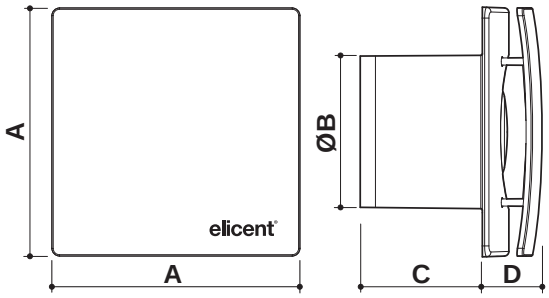
MODEL	AIRFLOW m3/h - l/s			POWER - Watt			dB(A)		
	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max
ELEGANCE 100 EC 2V	29 / 8	49 / 13,6	97 / 27	0,5	0,8	3,4	15	16	32

*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

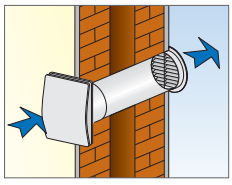


DIMENSIONS (mm)

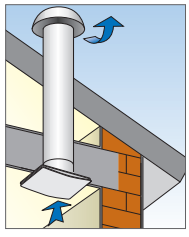


MODEL	A	ØB	C	D	Kg
ELEGANCE 100 EC 2V	160	98	80	38	0,9

INSTALLATION



Wall installation



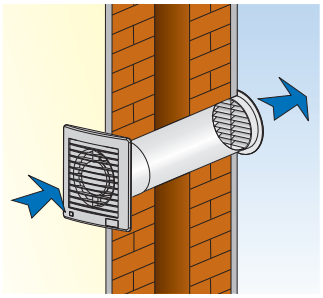
Ceiling installation

ULTRA SLIM

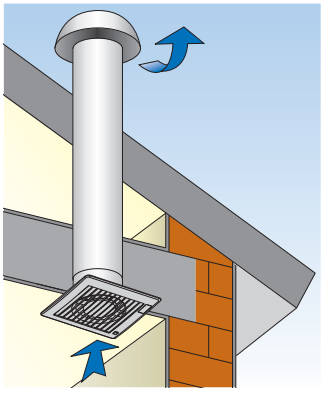
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- Provided with back draught shutters on models 100, 120, 150
- Neon running light
- Style, technology

INSTALLATION



WALL



CEILING

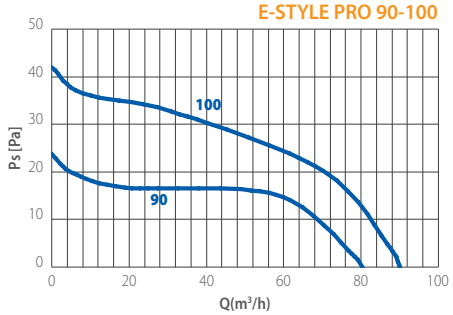
PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB (A)*
E-STYLE 90	80	22	23	10	30,1
E-STYLE 100	95	26	42	14	31,4
E-STYLE 120	165	46	55	15	36,7
E-STYLE 150	315	87	71	25	43,9

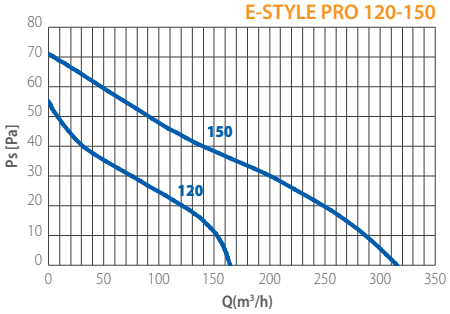
*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

E-STYLE PRO 90-100



E-STYLE PRO 120-150



VERSIONS

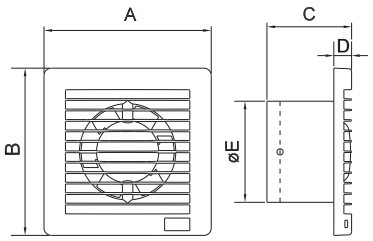
STANDARD
On/off through light or remote control switch.

TIMER
Integral electronic timer adjustable from 3 to 25 minutes.

MHT
Humidity control, adjustable from 40 to 80% of R.H.

SELV
SELV 12 V a.c.

DIMENSIONS (mm)



MODELS	A	B	C	D	Eø	Kg
E-STYLE 90	160	160	81	17	92	0,4
E-STYLE 100	160	160	95	17	98	0,4
E-STYLE 120	180	180	101	18	119	0,6
E-STYLE 150	200	200	119	22	149	1,0

ACCESSORY

chrome

inox satin

ULTRA SLIM

17 mm

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- Basic version of e-style pro (no neon running light - back draught shutters upon request)
- Complete range and high aeraulic performances.
- Back drought shutter upon request.

VERSIONS

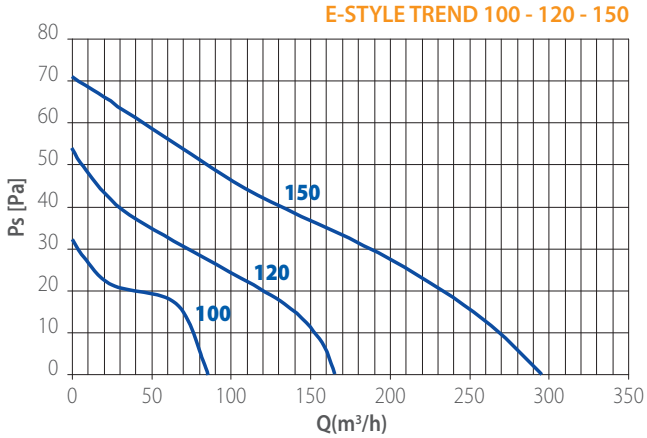
- Standard
- Timer
- MHT humidity control

PERFORMANCES

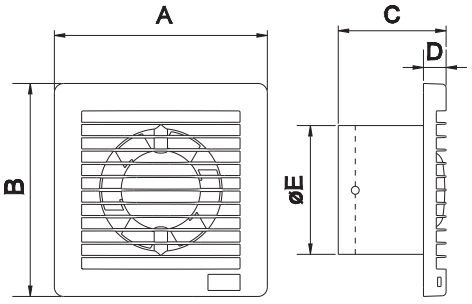
MODELS	PROTECTION	m³/h	l/s	Pa	W	dB(A)*
E-Style 100 TREND	IPX4	85	24	32	11	26,4
E-Style 120 TREND	IPX4	165	46	54	15	36,7
E-Style 150 TREND	IPX4	295	82	71	25	43,9

*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES



DIMENSIONS



MODELS	A	B	C	D	ØE	Kg
E-Style 100 TREND	160	160	95	17	98,2	0,45
E-Style 120 TREND	180	180	101	18	119	0,66
E-Style 150 TREND	200	200	119	22	149	1,04

230 V · IPX4 · max 40°C · CE

P.I.R. MODEL with passive infrared sensor.

- Available in 3 sizes: Ø100, 120 and 150
- Provided with integral timer, adjustable from 3 to 25 mn
- Ideal for public premises
- Quick and easy installation as it is not necessary to install a control switch
- Completely automatic running

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

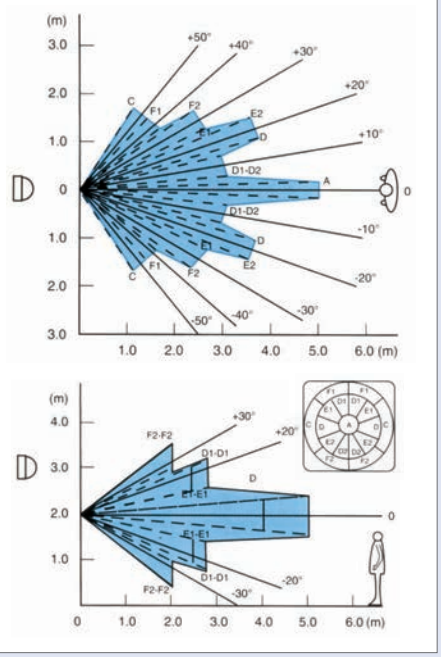
PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB (A)*
E-STYLE 100 P.I.R.	90	25	42	14	31,4
E-STYLE 120 P.I.R.	165	46	55	15	36,7
E-STYLE 150 P.I.R.	315	87	71	25	43,9

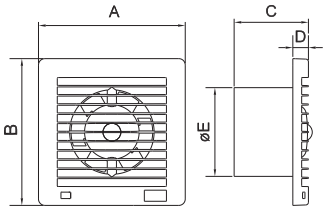
* Sound pressure at 3 mt

INSTALLATION

DETECTION SPECTRUM



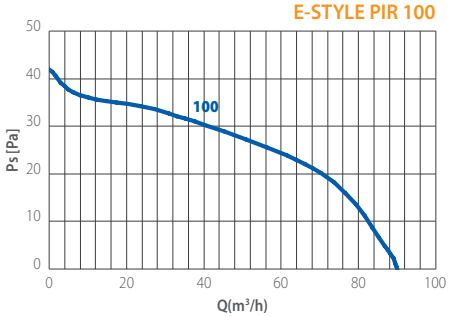
DIMENSIONS (mm)



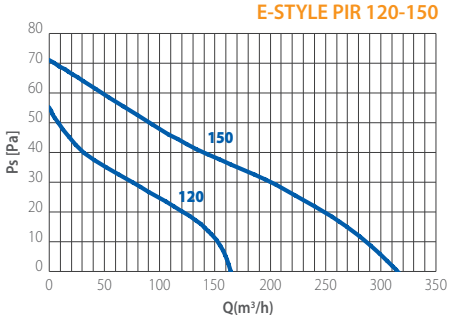
MODEL	A	B	C	D	Eø	Kg
E-STYLE 100 P.I.R.	160	160	95	17	98	0,4
E-STYLE 120 P.I.R.	180	180	101	18	119	0,6
E-STYLE 150 P.I.R.	200	200	119	22	149	1,0

CURVES

E-STYLE PIR 100



E-STYLE PIR 120-150



ECO LINE

Wall / window axial fans

ECO GF
Fixed grille

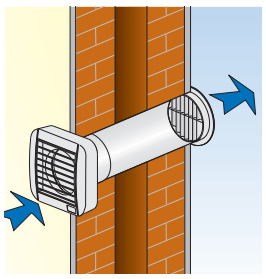
ECO GG
Gravity shutter

ECO A
Automatic

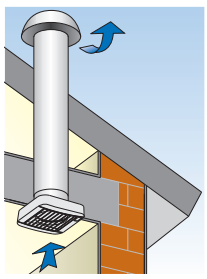
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- Wide range: 27 models all suitable for wall, window and ceiling installation.
- Low energy consumption and high performance for a quick and efficient extraction of stale air.

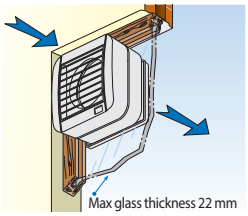
INSTALLAZIONI



WALL



CEILING



WINDOW
(with window kit)

230 V | IPX4 | max 40°C

PERFORMANCES

MODELS	m³/h	ls	Pa	W	dB (A)*
ECO 100	90	25	26	11	39
ECO 120	170	47	39	15	42
ECO 150	320	89	69	25	49

* LpA measured at 3 m in open field 230v - 50Hz.

VERSIONS

STANDARD
On/off through light or remote control switch

PULL CORD
On/off through pull cord switch

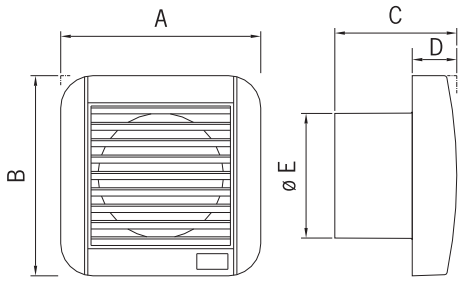
TIMER
Integral electronic timer adjustable from 3 to 25 minutes

MHT
Humidity control, adjustable from 40 to 80% of R.H.

2 SPEED
24 hours running at the lowest speed

SELV
SELV 12 V a.c. (only GG and GF models)

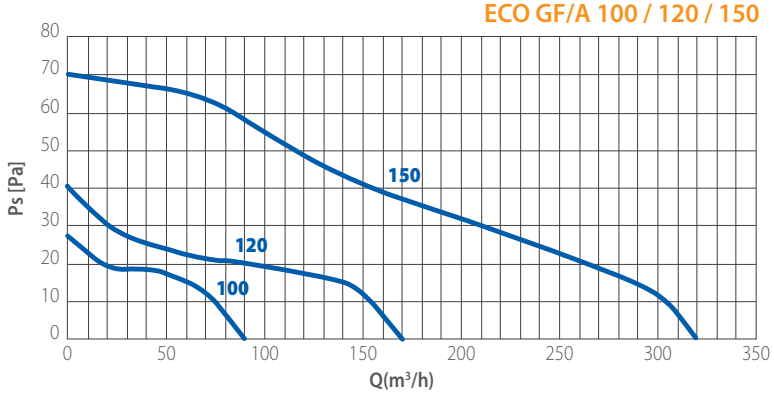
DIMENSIONS (mm)



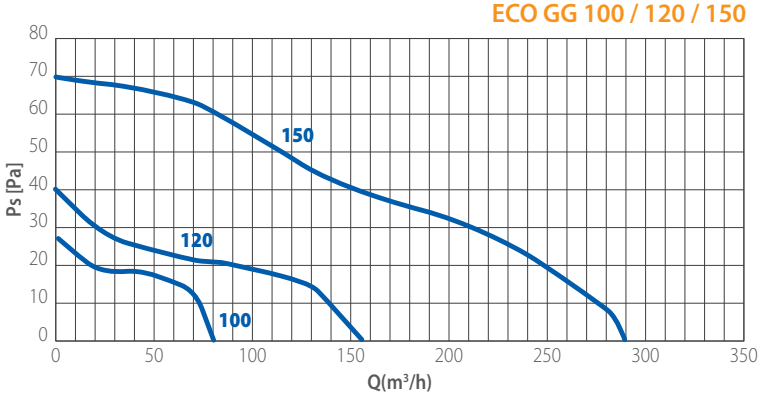
MODELS	A	B	C	D	E	Kg.
ECO 100 GF	155	155	92	35	97	0,5
ECO 120 GF	180	180	121	51	119	0,8
ECO 150 GF	209	209	137	52	149	1,2
ECO 100 GG	155	155	92	35	97	0,5
ECO 120 GG	180	180	121	51	119	0,8
ECO 150 GG	209	209	137	52	149	1,2
ECO 100 A	155	155	101	44	97	0,6
ECO 120 A	180	180	121	51	119	0,8
ECO 150 A	209	209	137	52	149	1,2

CURVES

ECO GF/A 100 / 120 / 150



ECO GG 100 / 120 / 150



WINDOW KIT

WINDOW KIT GG
(gravity shutter)

Suitable for ECOLINE GF

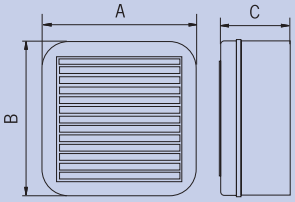
MODEL
WINDOW KIT GG 100
WINDOW KIT GG 120
WINDOW KIT GG 150

WINDOW KIT GF
(grille fixed)

Suitable for ECOLINE GG and A

MODEL
WINDOW KIT GF 100
WINDOW KIT GF 120
WINDOW KIT GF 150

DIMENSIONS (mm)



MODEL	A	B	C	Ø glass hole
WINDOW KIT 100	157	157	66	150
WINDOW KIT 120	178	178	82	175
WINDOW KIT 150	208	208	95	175

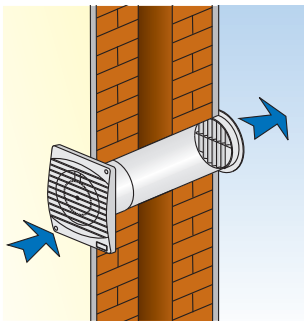
MINISTYLE

Wall axial fans

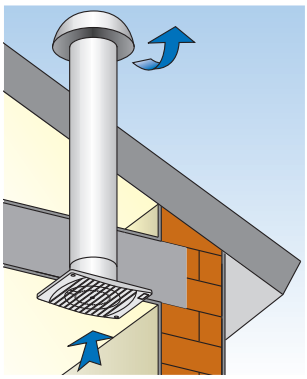
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- Ideal for small premises
- Easy to install and extremely compact (front cover 17 mm, height and width 14 mm)
- Made in high quality antistatic technopolymer
- Available with back draught shutters on request

INSTALLAZIONI



WALL



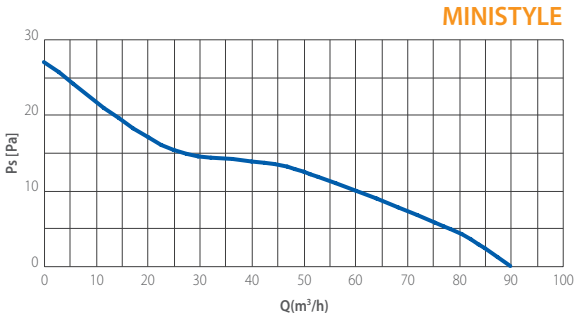
CEILING

PERFORMANCES

MODEL	m³/h	l/s	Pa	W	dB (A)*
MINISTYLE	90	25	26	14	39
MINISTYLE TIMER	90	25	26	14	39

*Lp(A) measured at 3m in open field 230V-50Hz.

CURVE



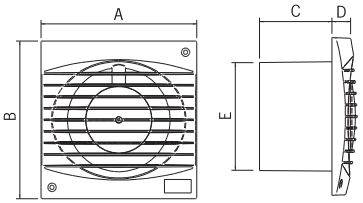
VERSIONS

STANDARD
On/off through light or remote control switch.

PULL CORD
On/off through pull cord switch.

TIMER
Integral electronic timer adjustable from 3 to 25 minutes.

DIMENSIONS (mm)



MODEL	A	B	C	D	E	Kg.
MINISTYLE	140	140	65	17	98	0,5

MURO

Wall axial fans

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.
- For wall, panel and ceiling installation.
- Available sizes: Ø 100, Ø 120, Ø 150.
- Manufactured in shock-proof high quality technopolymer.
- Maintenance free, self lubricating sleeve bearing motor for long life and noiseless running.
- Induction motor with overheating protection 230V – 50 Hz.
- Easy maintenance and cleaning.
- MURO 100 A with electric opening of the grille.

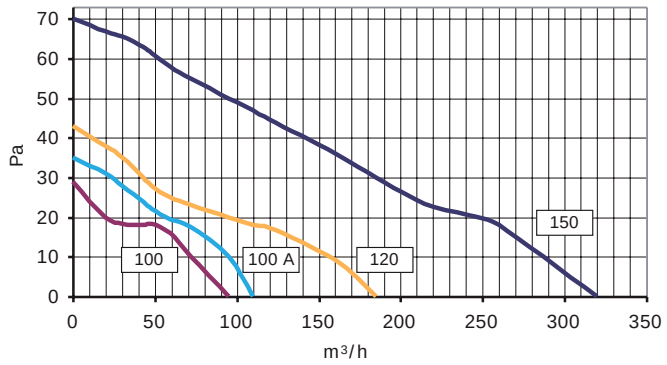
PERFORMANCES

MODELS	m³/h	Pa	W	dB(A)	PROTECTION
MURO 100	95	29	11	39	IPX4
MURO 120	180	43	15	42	IPX4
MURO 150	320	70	25	49	IPX4
MURO 100 A	110	35	11	39	IPX4
MURO 100 PIR	95	27	14	39	IPX2

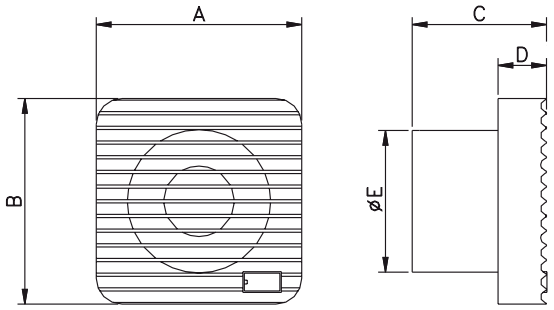
*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

MURO 100 / 100 A / 120 / 150



DIMENSIONS (mm)



MODEL	A	B	C	D	E	Kg
MURO 100 / 100 PIR	140	140	92	33	97	0,7
MURO 100 A	155	155	91	37	97	0,8
MURO 120	160	160	103	33	119	0,8
MURO 150	180	180	128	33	148	1,2

JOLLY

Wall axial fans

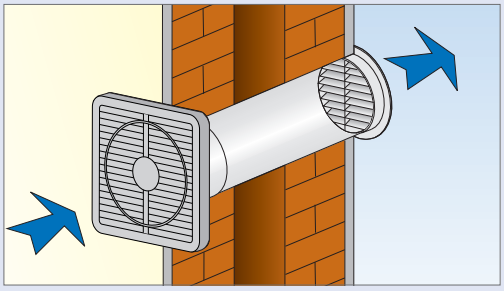
- Wall axial fans suitable for direct exhaust (max duct length 1,5 m).
- Complete range ø 100, 120, 150 mm.
- Compact sizes.
- Manufactured in shock-proof high quality technopolymer.
- Maintenance free, self-lubricating sleeve bearing motor for long life.
- Induction motor with overheating protection 230V - 50/60 Hz.
- Easy installation, maintenance and cleaning.
- Available with back draught shutters upon request.

VERSIONS

Standard version
On/Off via light/remote control switch.

Pull cord switch
On/Off via pull cord switch.

Timer
Integral electronic timer adjustable from 3 to 25 minutes.



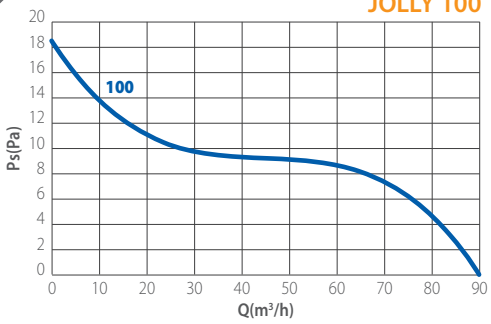
PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB(A)
JOLLY 100	90	25	18	14	39
JOLLY 120	175	49	35	18	43
JOLLY 150	320	89	71	40	51

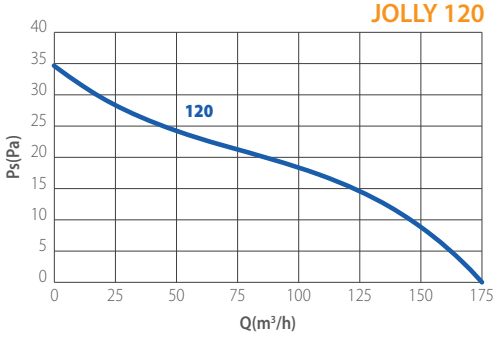
*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

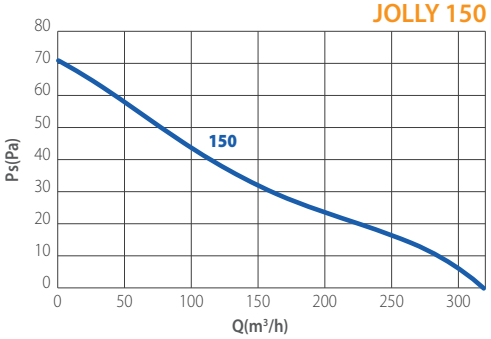
JOLLY 100



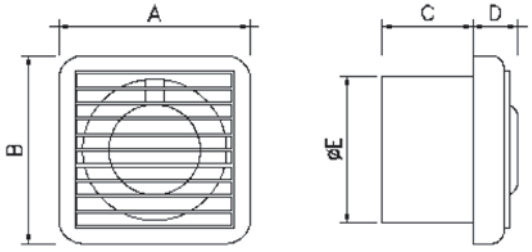
JOLLY 120



JOLLY 150



DIMENSIONS (mm)



MODEL	A	B	C	D	E
JOLLY 100	125	125	63	29	97
JOLLY 120	150	150	73	29	118
JOLLY 150	185	185	93	29	151

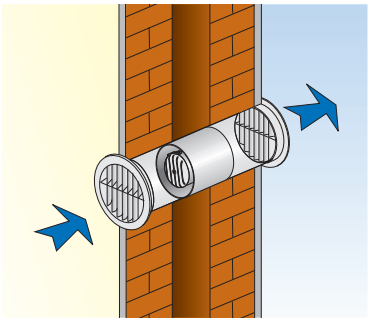
TUBO

Axial in-line duct fans

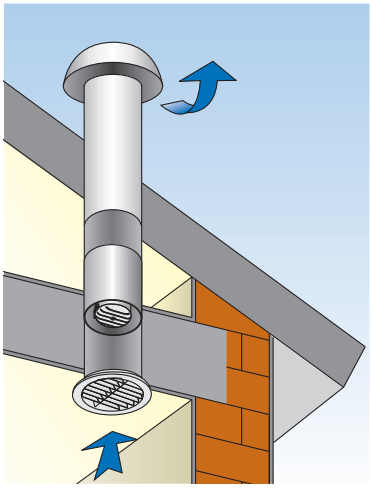
Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

- Suitable for intake / extract ventilation
- Ideal for conveying air between two separate rooms
- Invisible and efficient: no fan into the room
- Metal or Technopolymer versions
- Long Life sleeve bearing motor

INSTALLATION



WALL



CEILING

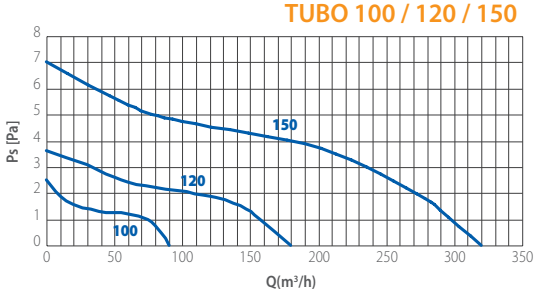
PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB (A)*
TUBO 100	90	25	25	14	38
TUBO 120	180	50	35	18	44
TUBO 150	320	89	69	40	51

*Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

TUBO 100 / 120 / 150

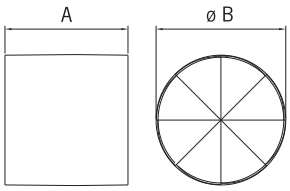


VERSIONS

STANDARD
On/off through light or remote control switch.

TIMER
Integral electronic timer adjustable from 3 to 25 minutes (available on TUBO TP only).

DIMENSIONS (mm)



MODELS	A	Ø B	Kg.
TUBO 100	92	97	0,4
TUBO 120	97	119	0,6
TUBO 150	125	151	0,8

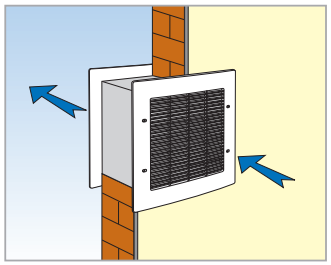
BUILT-IN

Built-in wall axial fans

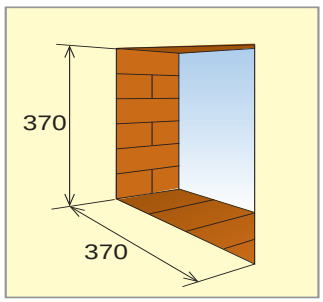
Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

- Extract/Intake models available in 2 sizes: 9" and 12" (with same wall hole sizes)
- Built-in 9 available in Low capacity version
- Stylish profile and unobtrusive installation
- High efficiency (up to 1630 m^3/h)
- Silent shutter operation via thermal actuator
- Made in shockproof high quality technopolymer
- Sleeve bearing motor

INSTALLATION



Hole dimensions
(same hole size for 9" and 12")

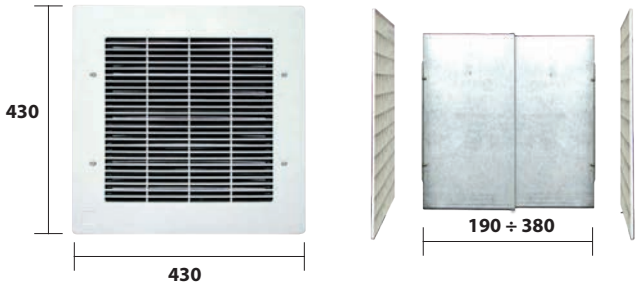


PERFORMANCES

MODELS	m^3/h	l/s	Pa	W	dB (A)**	Kg
BUILT-IN 9	*740/480	205/133	46 / 35	46	48	11,5
BUILT-IN 12	*1630/850	453/236	75 / 48	106	58	12,5
BUILT-IN 9 LC	*600/374	167/104	42 / 35	29	48	11,5

* Extract / Intake
** Lp(A) measured at 3m in open field 230V-50Hz.

DIMENSIONS (mm)



ECOWIND

Window axial fans

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

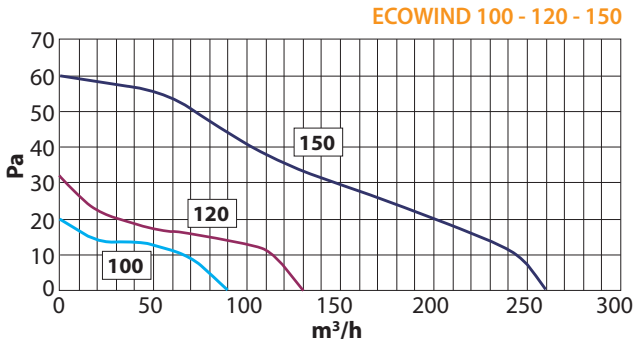
- Special version of ECO LINE with automatic shutters and provided with assembled kit for window installation.
- To exhaust air directly to the outside or into a short length ducting (max 3 m length).
- Suitable for toilets, bathrooms, WC's, shower-rooms, utility rooms and kitchens.

PERFORMANCES

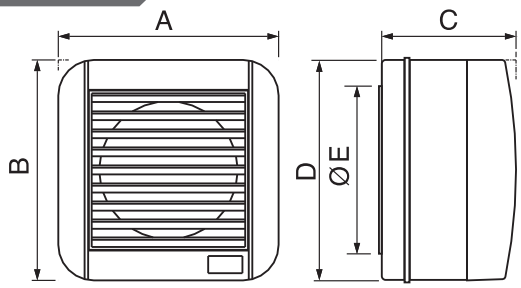
MODELS	PROTECTION	m³/h	l/s	W	Pa	dB(A)*
ECOWIND 100 A	IPX4	90	25	13	20	42
ECOWIND 120 A	IPX4	130	36	15	31	44
ECOWIND 150 A	IPX4	260	72	25	60	51

**Lp(A) measured at 3m in open field 230V-50Hz.

CURVES



DIMENSIONS



MODELS	A	B	C	D	ØE	Kg
ECOWIND 100 A	155	155	110	157	150	0,8
ECOWIND 120 A	180	180	132	178	175	1,0
ECOWIND 150 A	209	209	147	208	175	1,4

VITRO

Wall / window axial fans

230 V | max 40°C | IPX4

PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB (A)**	MARKED
VITRO 6/150 **LC-M**	200	56	36	24	40	IMQ
VITRO 6/150 **LC-A**	200	61	36	28	40	IMQ
VITRO 6/150 **P-M**	300	83	74	41	48	IMQ
VITRO 6/150 **P-A**	300	83	74	45	48	IMQ
VITRO 9/230 **LC-M**	600	167	42	29	50	-
VITRO 9/230 **LC-AR**	*600 / 374	167 / 104	42 / 35	29	50	-
VITRO 9/230 **P-M**	700	194	52	43	50	IMQ
VITRO 9/230 **P-AR**	*700 / 400	194 / 111	55	46	50	IMQ
VITRO 12/300 **AR**	*1.400 / 800	389 / 222	83	106	59	IMQ

* Extract / Intake

** Lp(A) measured at 3m in open field 230V-50Hz.

Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

- High extract performance for polluted premises, ideal for commercial environments.
- Suitable for wall, double window and double glazed window installation (accessories upon request).
- 9" and 12" (automatic versions) are suitable for reverse running.
- All IMQ marked except VITRO 9/230 LCM and VITRO 9/230 LC-AR

VERSIONS

MANUAL - Pull cord switch.

A AUTOMATIC
Automatic electrical opening of the shutter. On/Off via light/remote switch.

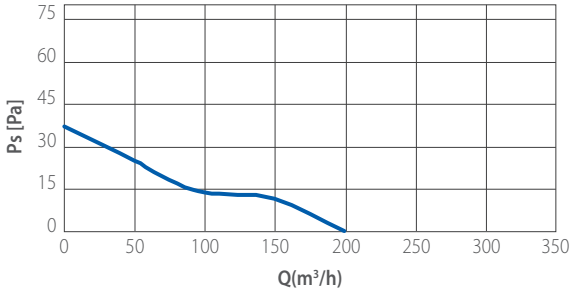
AR AUTOMATIC REVERSIBLE
Automatic electrical opening of the shutter.
On/Off via light/remote switch. + Reversible air flow through reversible speed controller RS/R, RVS/R or RVS/R

P POTENTIATED
Potentiated motor for higher airflow performance.

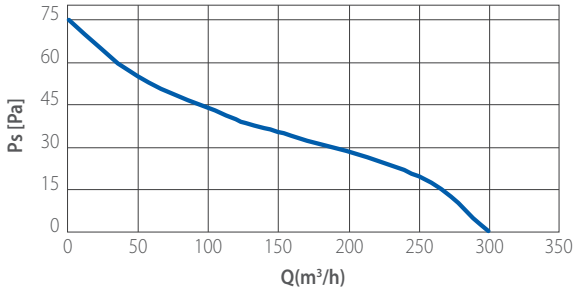
LC LOW CAPACITY
(LCM - Low capacity Manual / LC-AR Low capacity Automatic Reversible).

CURVES

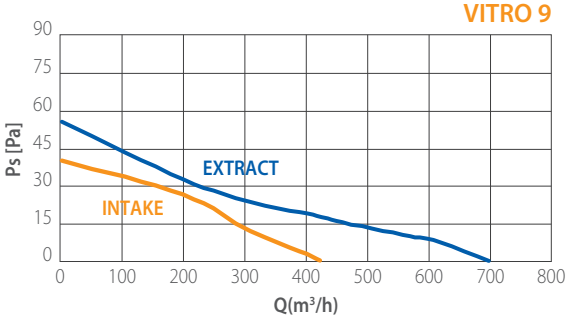
VITRO 6 LC



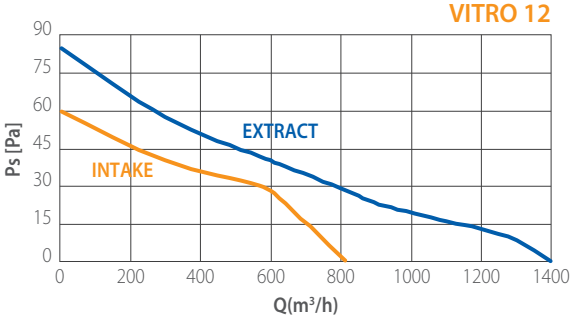
VITRO 6 P



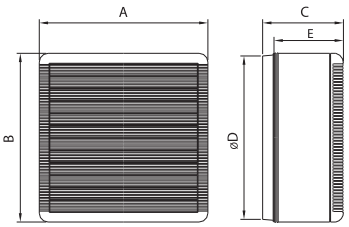
VITRO 9



VITRO 12



DIMENSIONS (mm)

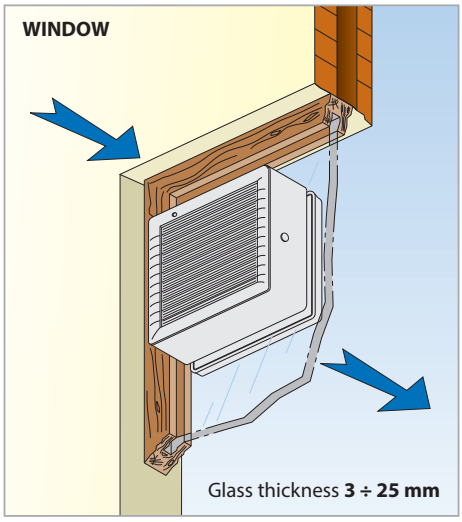


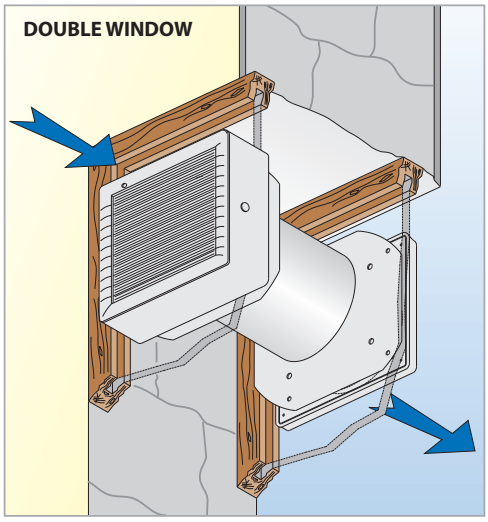
MODELS	A	B	C	Ø D	E	Kg.
VITRO 6/150	195	195	126	184÷188	102	1,7
VITRO 9/230	287	287	138	254÷258	122	3,5
VITRO 12/300	364	364	162	324÷329	137	5

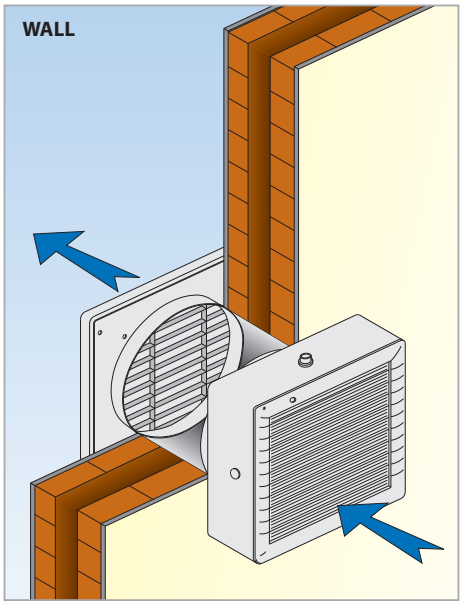
Thermoactuator
for the electrical opening
of the grille.

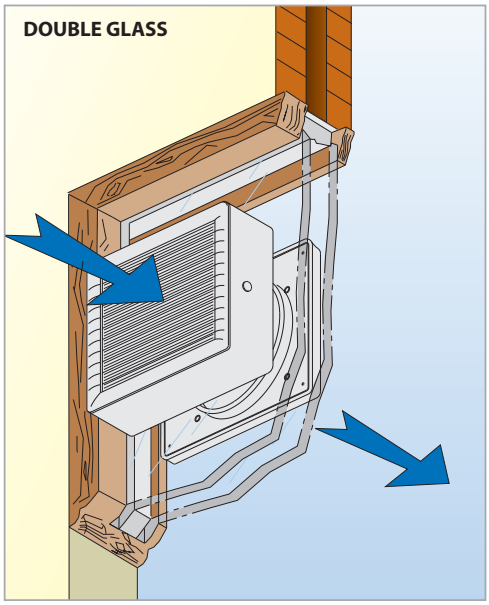
Pull cord switch version.

INSTALLATION









MINIVITRO

Centrifugal duct fans with axial flow discharge
Linea Design

Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

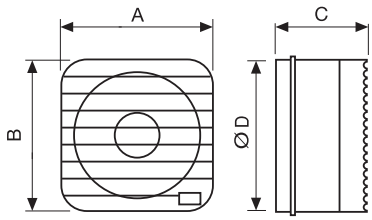
- Special version of VITRO suitable for wall or window installation, to exhaust air directly to the outside or into a short length ducting.
- Compact dimensions.
- Model A with automatic shutter and external fixed grille.

PERFORMANCES

MODELS	Protection	m³/h	l/s	dB(A)*	Pa	W
MINIVITRO 4/100 A MFE	IPX4**	90	25	39	19	11
MINIVITRO 4/100 MGE	IPX2-IPX4**	90	25	40	33	14
MINIVITRO 5/120 MGE	IPX2-IPX4**	160	44	43	51	18
MINIVITRO 6/150 MGE	IPX2**	200	56	43	51	27

* At 3 m - 230V/50Hz
A = automatic - MGE = with external gravity shutter - MFE = with external fixed grille.
** External part.

DIMENSIONS (mm)



MODEL	A	B	C	ØD
MINIVITRO 4/100 A MFE	155	155	99	152
MINIVITRO 4/100 MGE	155	155	99	152
MINIVITRO 5/120 MGE	160	160	109	152
MINIVITRO 6/150 MGE	180	180	112	176

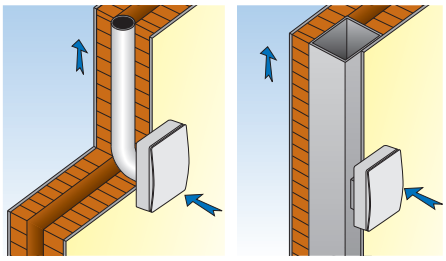
ELIX

Centrifugal duct fans with axial flow discharge
Linea Design

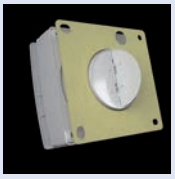
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- Centrifugal duct fan Ø 100 mm with central outlet.
- Innovative design with flat front cover and lateral intake.
- Available with EC motor for a perfect combination of style and performance.
- Provided with sliding filter in PP removable and washable in dishwasher and with back-draught shutters.

INSTALLATION

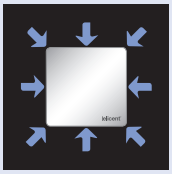


Multiple Duct | Single Duct



Antivibration gasket

Central outlet



Lateral intake on the whole perimeter

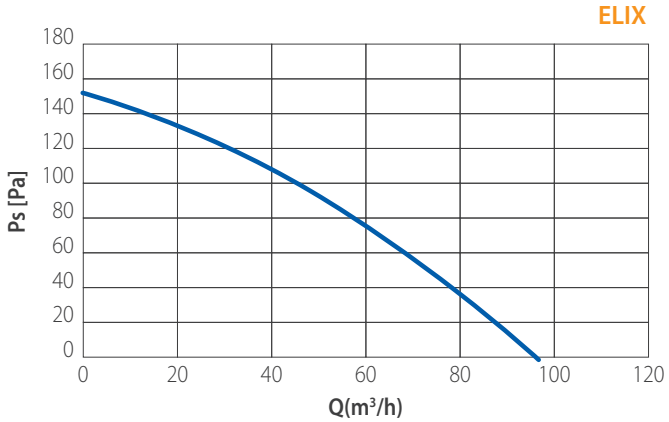
Slidind filter

PERFORMANCES

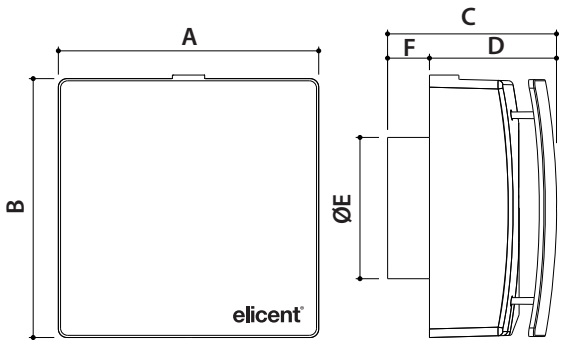
MODEL	DUCT Ø	m³/h	l/s	Pa	W	dB(A)*
Standard - Pull cord - Timer - MHY smart - SELV						
ELIX 100	100	97	27	151	29	42
Comfortimer - 2 speed						
ELIX 100	100	97 / 54	27 / 15	151 / 116	29 / 14	42 / 23

* Lp(A) measured at 3m in open field 230V-50Hz.

CURVES



DIMENSIONS (mm)



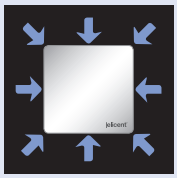
MODEL	A	B	C	D	E	F	Kg
ELIX 100	180	180	116	87	99	29	2,6

ELIX EC 2V

Centrifugal duct fan
Linea Design EC versions

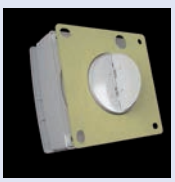
- **Centrifugal power**
- **Ø100 mm**
  with central outlet

EC motor



Lateral intake on the whole perimeter

Sliding filter



Antivibration gasket

230 V | IPX4 | max 40°C | CE

ELIX EC 2V

- Energy efficient EC motor
- Provides low level continuous ventilation to control condensation
- Choice of 2 low speeds at installation
- For wall or ceiling installation
- For any domestic wet room
- Low noise levels and running costs

GENERAL FEATURES

- Exhausts directly to the outside or through long lengths of ducting (up to 15m).
- Runs continuously at pre-selected choice of two speeds (fixed at installation).
- Speed 1 operates at 29 m^3/h (8 l/s) (factory set).
- Speed 2 operates at 50 m^3/h (14 l/s).
- Max speed boosted to maximum 100 m^3/h (28 l/s) using integral pull cord or by:
  - Remote switch/light switch
  - Remote PIR sensor
  - Humidistat
- Anti-vibration gasket.
- Easily removable, washable polypropylene filter.
- Energy saving ventilation.
- Extremely low running costs.
- Low carbon footprint.

TECHNICAL FEATURES

- Shockproof, high quality technopolymer casing.
- Designed using latest wind tunnel technology and CFD simulations.
- Profile increases the fluid dynamics.
- EC induction motor with thermal protection.
- 43,000 hour life motors with maintenance free and long life ball bearings.
- Operates in ambient temperatures up to 40°C.
- Double insulated - no earth required.
- IPX4 - Splashproof rated - can safely be installed in Zones I and II.

VERSIONS

EC 2V DT

24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum via control switch. The maximum speed is provided with a timer (adjustable from 0 to 30 minutes) which activation can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed. (DT option, selectable at installation).

EC 2V HDT

24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum automatically or manually:

- automatically via humidistat (adjustable from 40 to 90% of R.H). The fan switches back to the low speed when the humidity level goes beneath the pre-selected threshold and once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min).

- manually via control switch (remote or pull cord). The fan switches back to the low speed once concluded the pre-selected overrun via timer (adjustable from 0 to 30 min). The activation of the timer can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed. (DT option, selectable at installation).

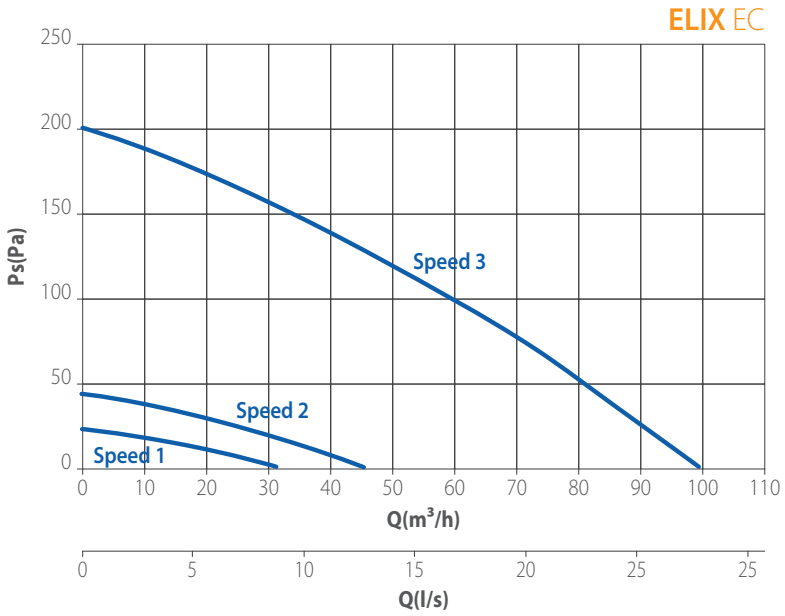
All EC models (100 2 speed, 2V DT, 2V HDT) are also available in SELV version, low voltage 12V.

PERFORMANCE

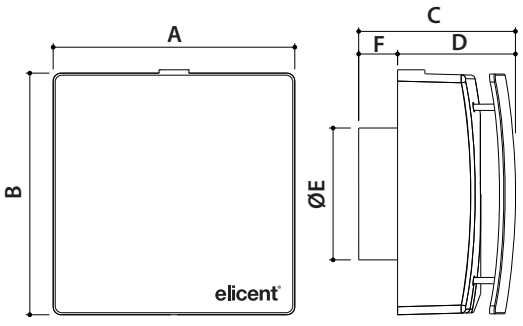
MODEL	AIRFLOW m3/h - l/s			PRESSURE - Pa			POWER - Watt			dB(A)*		
	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max
ELIX 100 EC 2V	32 / 9	46 / 13	100 / 28	23	44	200	1,6	2,4	15	16	18	37

* Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

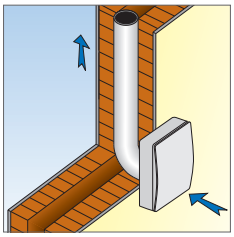


DIMENSIONS (mm)

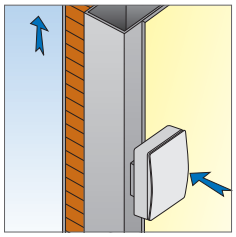


MODEL	A	B	C	D	E	F	Kg
ELIX 100 EC 2V	180	180	116	87	99	29	2,6

INSTALLATION



Single duct



Multiple duct

ELPREX

Centrifugal duct fans with decentral flow discharge
Linea Design

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- Powerful centrifugal duct fan ø 100 mm with decentralised outlet.
- Innovative design with flat front cover and lateral intake. Suitable for surface or built-in installation (wall/ceiling mounted).
- Casing for built-in installation on request
- Provided with removable filter in PP washable in dishwasher and with back-draught shutters.

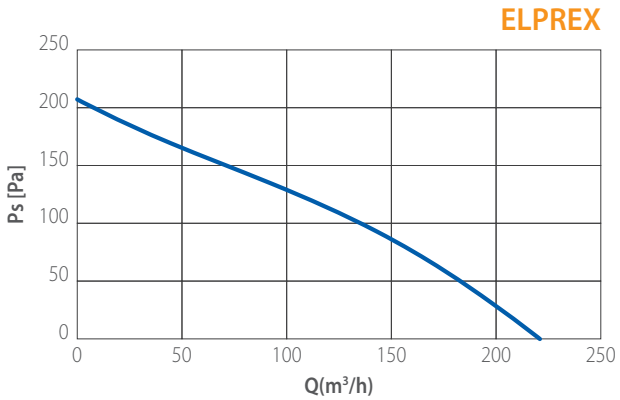
230 V | IPX4 | max 40°C | CE

PERFORMANCES

MODEL	DUCT Ø	m³/h	l/s	Pa	W	dB (A)*
STANDARD / PULL CORD / TIMER / MHY						
ELPREX 100	100	221	61	208	29	41
COMFORTIMER / 2 SPEED / HT 2 SPEED						
ELPREX 100	100	221	61	15,82 / 11,10	38,8 / 8,20	41 / 15,80

* Lp(A) measured at 3m in open field 230V-50Hz.

CURVES



VERSIONS

STANDARD
on/off through light or remote control switch.

PULL CORD
on/off through pull cord switch.

TIMER
integral electronic timer adjustable from 3 to 25 minutes.

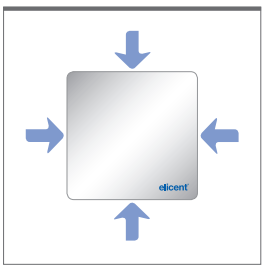
COMFORTIMER
overrun timer at low speed.

MHT
Humidity control, adjustable from 40 to 80% of R.H.

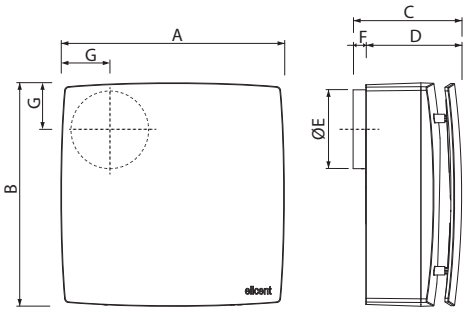
2 SPEED
24 hours running at the lowest speed.


Decentral outlet

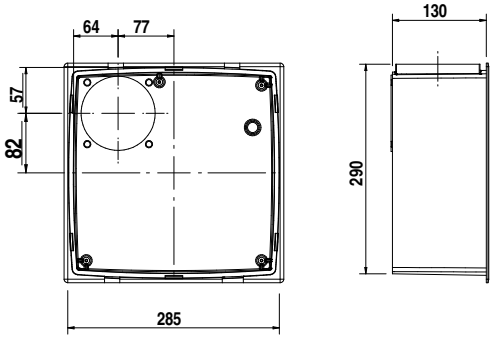

Built-in kit


Lateral intake

DIMENSIONS (mm)



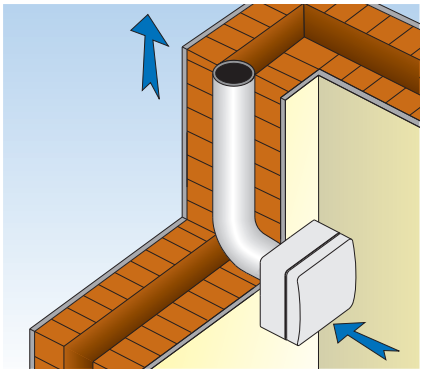
TYPE	A	B	C	D	ØE	F	G	Kg
ELPREX	280	280	135	120	99	16	58	2,8



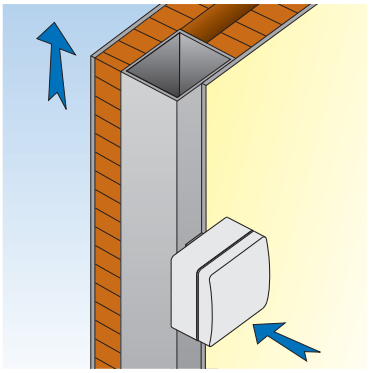
Casing for built-in installation
(to be ordered separately)
2SV0110

INSTALLATION

SURFACE

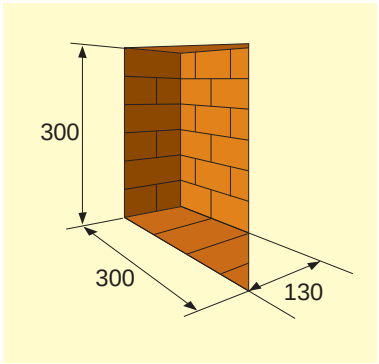


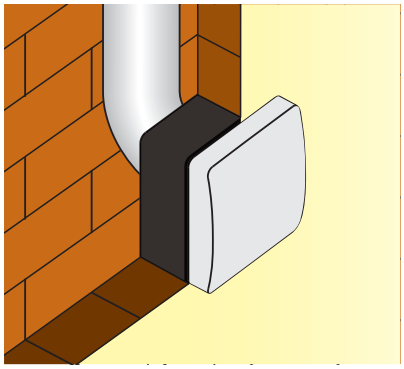
SINGLE DUCT



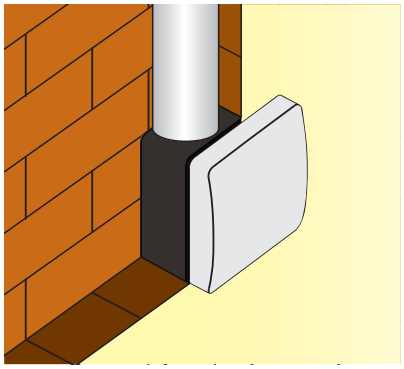
MULTIPLE DUCT

BUILT-IN





REAR OUTLET



VERTICAL OUTLET

FLUX

Centrifugal duct fans with axial flow discharge

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

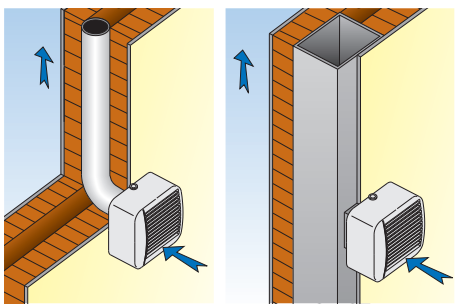
- Centrifugal duct fans with central outlet
- 2 models: 100 and 250, Ø 100 and 120 mm
- IMQ mark on Flux 100 (all versions)

Antivibration gasket

Backdraught shutter

Central outlet

INSTALLATION



SINGLE DUCT MULTIPLE DUCT

PERFORMANCES

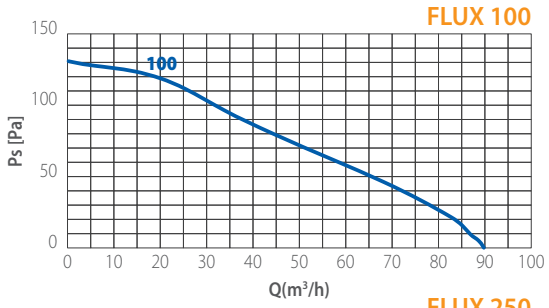
MODELS	DUCT Ø	m³/h	l/s	Pa	W	dB (A)*
Standard - Timer - HT						
FLUX 100	100	90	25	124	30	44
2V - HT 2V						
FLUX 100 2V	100	90 / 38	25/10	124 / 78	30 / 12	44/37
Selv - Selv Timer						
FLUX 100 SELV	100	90	25	124	26	44
Standard - Timer - HT						
FLUX 250 / Ø 100	100	201	56	195	29	52
FLUX 250 / Ø 120	120	232	64	195	29	52

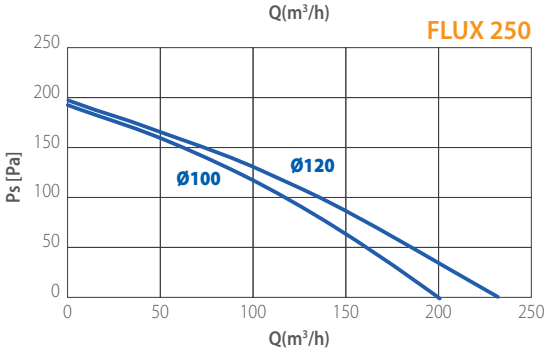
* Lp(A) measured at 3m in open field 230V-50Hz.

VERSIONS

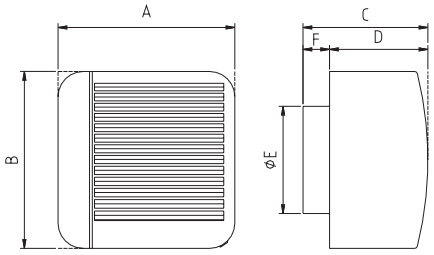
- STANDARD - On/off through light or remote control switch.
- PULL CORD - On/off through pull cord switch.
- TIMER - Integral electronic timer adjustable from 3 to 25 minutes.
- MHT - Humidity control, adjustable from 40 to 80% of R.H.
- 2 SPEED - 24 hours running at the lowest speed.

CURVES





DIMENSIONS (mm)



MODELS	A	B	C	D	ØE	F	Kg.
FLUX 100	160	160	119	89	97	30	0,8
FLUX 250/100	210	210	156	131	97	25	1,8
FLUX 250/120	210	210	156	131	119	25	1,8

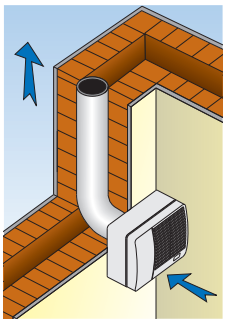
RADIA

Centrifugal duct fans

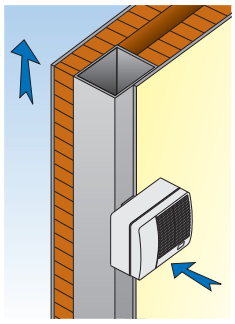
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
(Classification: Residential Ventilation Unit)

- Classical centrifugal fans designed to overcome the pressure and resistance caused by long lengths of ducting.
- Provided with back draught shutter and removable filter.
- IMQ mark on RADIA 80 and 130.
- On Request, 2V and 2V HT versions.

INSTALLATION



1 - SINGLE DUCT



2 - MULTIPLE DUCT

Decentral outlet

Backdraught shutter

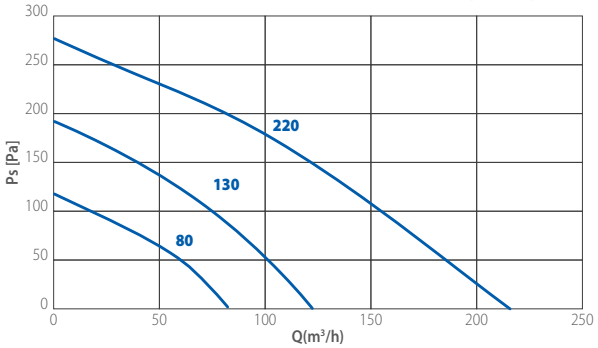
PERFORMANCES

MODELS	DUCT Ø	m³/h	l/s	Pa	W	dB (A)*
RADIA 80	80/100	80	22	108	23	39
RADIA 130	100	130	36	177	29	44
RADIA 220	100	220	61	277	29	50

* Lp(A) measured at 3m in open field 230V-50Hz.

CURVES

RADIA 80 / 130 / 220



VERSIONS

STANDARD
On/off through light or remote control switch.

PULL CORD
On/off through pull cord switch.

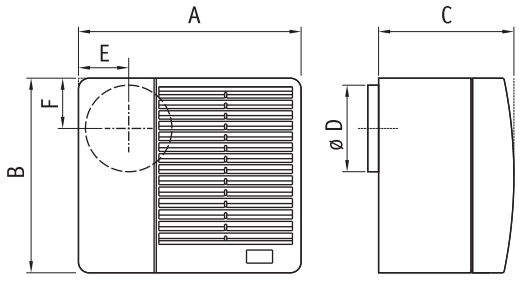
TIMER
Integral electronic timer adjustable from 3 to 25 minutes.

MHT (Radia 80 - 130 only)
Humidity control, adjustable from 40 to 80% of R.H.

2 SPEED (Radia 80 - 130 only)
24 hours running at the lowest speed.

MHT - 2V (Radia 80 - 130 only)
Humidity control, adjustable from 40 to 80% of R.H.

DIMENSIONS (mm)



MODELS	A	B	C	Ø D	E	F	Kg.
* RADIA 80	206	180	135	80	48	47	1,2
RADIA 130	237	211	146	98	57	56	1,8
RADIA 220	304	256	171	98	56	61	3

* Supplied with adaptor for ducts Ø100 mm

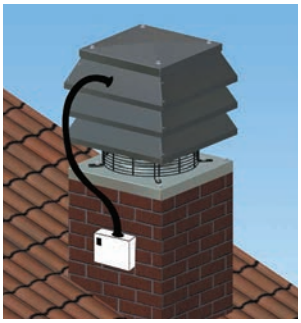
TIRAFUMO

Roof radial extract fans for fireplaces

The series is not affected by the ErP Directive 2009/125/CE and further Regulations.

- Ideal for improving the draught of residential fireplaces
- Suitable for chimneys with a section of max 150 x 150 mm (equivalent ø 170 mm) and air temperature of max. 200°C in continuous running
- Easy installation (just Plug & Play)
- Made in steel or copper with highly resistant epoxy finish

INSTALLATION



SUPPLIED

Counterbase to wall up

Plug-in junction box

Eyebolts

Electronic speed controller **R15**

PERFORMANCES

MODEL	m³/h	l/s	Pa	W	A	dB (A) *
TIRAFUMO	850	236	190	97	0,9	52,5

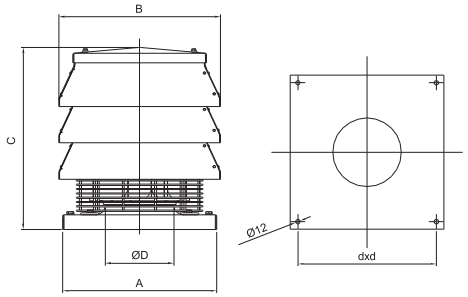
* Lp(A) measured at 3m in open field 230V-50Hz.

VERSIONS

TIRAFUMO - **N**
Steel

TIRAFUMO - **NC**
Copper

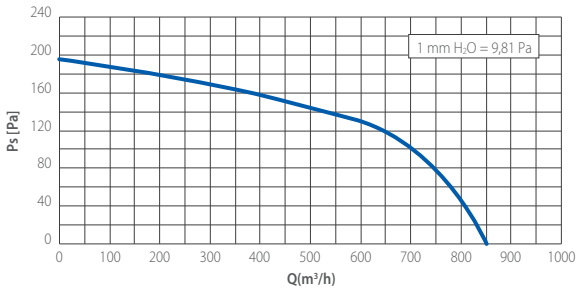
DIMENSIONS (mm)



MODEL	A	B	C	Ø D	d	Kg.
TIRAFUMO	400	420	540	178	360	22

CURVE

TIRAFUMO



AIR CURTAINS

PRINCIPLE

In buildings where the **entrance doors are continuously opened and closed it is useful to block the inflow of undesired outdoor air** during the winter period and to protect indoor spaces from warm air entering during the summer period. In fact, due to the temperature difference that is generated, **there is a progressive loss of power in the temperature control system**, as well as notable humidity imbalances and discomfort for the public, which reduces their time spent in the establishment.

Furthermore, in commercial places with a high customer inflow and rotation, **the presence of traditional entrance doors may constitute a psychological barrier for the customers**, which operators obviously wish to avoid (such as department stores, supermarkets, bars, restaurants, boutiques).

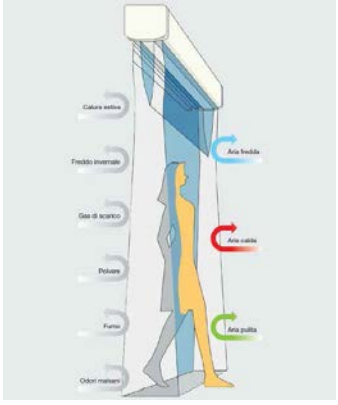
BENEFITS

To obtain a notable energy saving, keeping warm or cool air inside commercial and non-commercial premises, and contribute to making the indoor air healthier by not allowing smog, unpleasant odours, dust, pollen and insects to enter, air curtains come into play.

Air curtains are devices that enable the formation of an invisible vertical wall of air between the indoor area of premises (generally heated or air conditioned) and outdoors, without limiting access by people or vehicles. Depending on the season, the air is mixed in different temperatures and at different supply speeds, in order to reach the optimal conditions for people to pass through.
For this reason they are particularly suited to being used in commercial locations, such as department stores, bars and shops, located either inside or outside of shopping centres, and in places where time that the doors are open is particularly significant for the indoor air conditioning systems (receptions, warehouses, gyms).
The protection offered to the environment enables customers to enter and exit at will, without impeding their path and also maximising visibility of the environment while increasing indoor comfort.

Maico Italia - Elicent® air curtains:
✔ ELDOOR TZ - Tangential
✔ ELDOOR CF - Centrifugal

are the most innovative and easy to install product on the market to create situations of safe wellbeing and energy saving, drastically reducing energy consumption for heating and cooling, while also protecting the quality of the indoor air.



ELDOOR TZ

Tangential air curtains

FEATURES

- 3 sizes: 90, 120 or 150 cm width
- Air velocity 11 m/s
- Installation height: 2,3÷3 m
- 2 speeds (with LED signal)
- Remote controller included
- Single-phase power supply
- Stainless steel and varnished metal housing
- Airflow orientation through deflectors
- Can be coupled with the door magnetic contact (supplied as accessory) for automatic on/off running
- High efficiency and silent running
- Easy to install thanks to the fixing bracket (included)
- Inlet front side allows an installation close to the ceiling
- Supplied with connexion cable and plug (TYPE L, 3 poles, 10A)

INCLUDED

REMOTE CONTROLLER

PERFORMANCE

CODE	UNIT OF MEASUREMENT	MODELS		
		ELDOOR 900 TZ	ELDOOR 1200 TZ	ELDOOR 1500 TZ
		4BA0000	4BA0001	4BA0002
Voltage - Frequency	V - Hz	230-50	230-50	230-50
Size (Width)	cm	90	120	150
Impeller diameter	mm	120	120	120
Installation height	m	2.3 - 3	2.3 - 3	2.3 - 3
Electric power	W	150	180	220
Air velocity	m/s	11	11	11
Airflow	m3/h	1200	1700	2100
Sound levels	db(A)	45	47	47
Dimensions (L x h x w)	mm	900X220X195	1200x220x195	1500x220x195
Weight	kg	13	16	20

ELDOOR CF

Centrifugal air curtains

FEATURES

- 3 sizes: 90, 120 or 150 cm width
- Air velocity 14,5 m/s
- Installation height: 3÷3,5 m
- 2 speeds (with LED signal)
- Remote controller included
- Single-phase power supply
- Stainless steel and varnished metal housing
- Airflow orientation through deflectors
- Can be coupled with the door magnetic contact for automatic on/off running (supplied as accessory)
- High efficiency and silent running
- Easy to install thanks to the fixing bracket (included)
- Inlet front side allows an installation close to the ceiling
- Supplied with connexion cable and plug (TYPE L, 3 poles, 10A)

INCLUDED

REMOTE CONTROLLER

PERFORMANCE

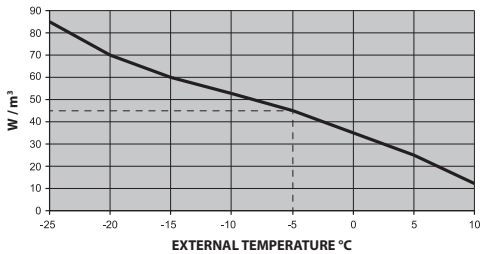
CODE	UNIT OF MEASUREMENT	MODELS		
		ELDOOR 900 CF	ELDOOR 1200 CF	ELDOOR 1500 CF
		4BA0010	4BA0011	4BA0012
Voltage - Frequency	V - Hz	230-50	230-50	230-50
Size (Width)	cm	90	120	150
Impeller diameter	mm	120	120	120
Installation height	m	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5
Electric power	W	220	275	330
Air velocity	m/s	14.5	14.5	14.5
Airflow	m3/h	1020	1360	1700
Sound levels	db(A)	44	45	48
Dimensions (L x h x w)	mm	960x230x212	1200x230x212	1500x230x212
Weight	kg	16	19	24

HEATING

Complete range of safe and easy to use electric heaters designed to suit any domestic and industrial requirements, as main or subsidiary heating system.

HOW TO DETERMINE THE NECESSARY ELECTRIC POWER NEEDED FOR ROOMS' HEATING (at a temperature of 22°C)

1. Find the volume of the room and multiply it by the value reported on the following graph



Example: Room's dimensions 5 x 4 x3 m = 60 m^3
External temperature -5°C
Necessary electric power: 45 w/m^3 x 60 m^3 = 2.700 W

2. The result is indicative as it does not take into consideration the insulation and the position of the room;
3. For fan heaters, always choose a model with a superior power
4. The final temperature regulation has to be made with the ambient thermostat, supplied with each fan
5. In case of discontinuous functioning, prefer the choice of fan assisted heater (TCV).

PRINCIPLE

Temperature is one of the main factors that determine man's wellbeing in confined spaces. However, there are situations in which a permanent heating system is not provided or required, both due to the type and the frequency of use of the room. In these cases, it is essential to guarantee people's thermal comfort with versatile heating systems that can be used in any location and/or at any time, whether residential or industrial.

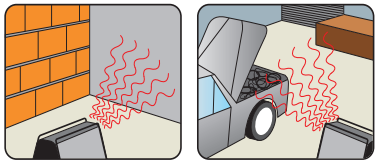
BENEFITS

Electrical heating meets this requirement and also **has the important advantage of not resulting in gas emissions**, in particular carbon dioxide. It is technically simpler than gas heating and easily lends **itself to being managed automatically and the commissioning costs for electrical heating are considerably lower.**
From the point of view of the urban environment, for safety, versatility and comfort there is nothing better than warming yourself up with electricity: no fumes, no risk of explosions or toxic gases, no maintenance, very quick installation, highly responsive and the possibility to adjust the heating with precision over time and space:

✔ **The industrial convection heaters of the VOLCANO R and PRO Series and residential convection heaters of the CALDO Series from Maico Italia–Elicent® create heat quickly and do not require particular maintenance. They offer ease of transport and can be adjusted/programmed.**

✔ **The infrared lamps of the CALDO Series from Maico Italia – Elicent® transmit heat uniformly into the surrounding environment, keeping the relative humidity constant in all of the environment, thereby promoting thermal wellbeing; all of this in just a few moments, without noise, and obviously with light radiation.** In this way it is possible to obtain more pleasant heating at a relatively low environmental temperature, with energy savings too.

COMMERCIAL / INDUSTRIAL



RESIDENTIAL

CALDO 500

Residential

FEATURES

- Antifreeze heater for wall installation
- Adjustable ambient thermostat
- Double insulation
- Provided with Schuko plug
- Armored resistance

CALDO BAGNO 2000

Residential

FEATURES

- Compact and oscillation heater 24h programmable (with intervals of 30 minutes)
- 4 position switch: Off / cold air / Hot air 1000W / Very hot air 2000W
- Adjustable ambient thermostat
- Body in self-extinguishing plastic material
- Double insulation
- Protection IP21
- Heated area: 20 m^2

CALDO LAMP 1500 GOLD

Residential

FEATURES

- Radiant heater for outdoor and indoor installation
- Halogen golden resistance of 1500W
- Body in aluminium
- 0/I pull cord switch
- Provided with wall fixing kit
- IP55 protection heated area: 15 m^2

CALDO LAMP 1500

Residential

FEATURES

- Radiant heater for outdoor and indoor installation
- 3 quarz heaters of 1500W (500+500+500)
- Pull cord selection switch
- Wall fixing bracket offering 4 orientations
- Body in steel sheet, front cover in silver paint
- IP24 protection
- Heated area: 18 m^2

CALDO TURBO 2000 TECH

Residential

Remote controller included

FEATURES

- Convector heater using natural convection
- Electronic control and remote controller to manage the stand-by function and the ventilation level (3 settings: Eco 750W / Comfort 1250 W / Rapid 2000W)
- Antifreeze function
- Temperature regulation: 5~37°C
- Programmable timer up to 15 hours
- Turbo function to direct the heat flow towards
- Backlit display in blue which shows the selected functions and the ambient temperature
- Anti-tip switch
- Integrated side handles
- Body in painted steel
- Double insulated
- IP20 protection
- Heated area: 20 m^2

CALDO TURBO / CALDO 2000

Residential

CALDO TURBO

CALDO 2000

FEATURES

- Convector heater using natural convection
- Model CALDO TURBO provided with a frontal grille to direct the heat flow forward
- Adjustable ambient thermostat
- Antifreeze function
- Can be wall-mounted (wall installation kit supplied)
- Body in painted steel
- Double insulated
- IP20 protection
- Heated area: 20 m^2

Range:

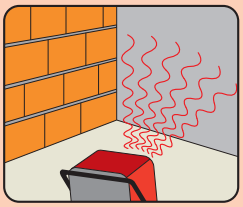
- CALDO 2000: one model including 3 heating levels: 750 / 1250 / 2000W
- CALDO Turbo: 3 models with 3 heat setting each:
  Caldo Turbo 1000: 350 / 650 / 1000W
  Caldo Turbo 1500: 500 / 1000 / 1500W
  Caldo Turbo 2000: 750 / 1250 / 2000W

VOLCANO R

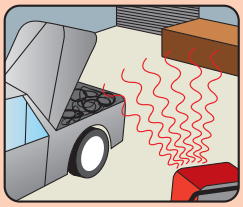
Industrial

FEATURES

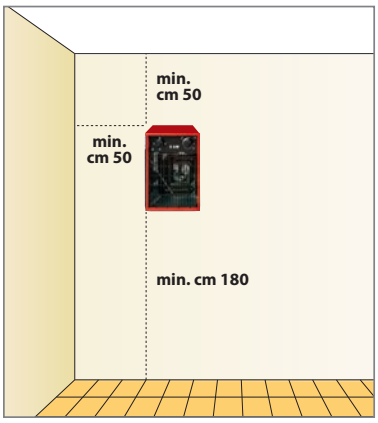
- Heaters ideally suited for heating small and medium sized industrial premises
- 2 models: 3,3 or 5 kW
- Manufactured in rugged steel cabinet with strong safety insulated handles
- Encapsulated stainless steel heating elements that are extra-insulated from the cabinet
- Provided with safety thermostat which guards against overheating and ensures that fire hazard does not arise
- Provided with room thermostat to maintain the desired temperature
- Selectable heating effect , between ½ and 1/1 through the selector switch
- The 5 kW model is provided with a CEE plug of 16A, 5 poles, IP44 while the 3kW model is provided with a Schuko plug of 16A IP44.



Asciugatura di parete in costruzione



Officina

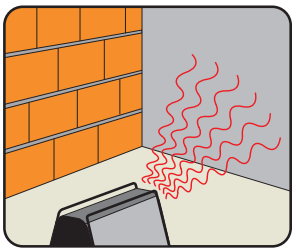


VOLCANO PRO

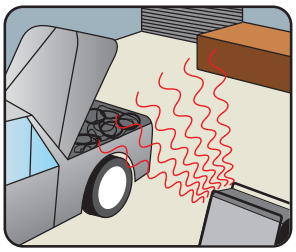
Industrial

FEATURES

- Heaters ideally suited for heating medium sized industrial premises
- 2 models: 6 or 9 kW
- Very compact and unique dimension for both models
- Housing in steel sheet
- Provided with delay start and delay stop functions, settable on the panel
- Provided with a cooling down post ventilation function (max 10 minutes)
- Provided with a CEE plug of 16A, 5 poles, IP44



Asciugatura di parete in costruzione



Officina

VENTILATION

RESIDENTIAL PREMISES

INDUSTRIAL AND SPORTS PREMISES

COMMERCIAL PREMISES

PRINCIPLE

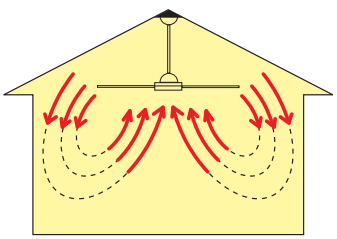
In winter, in heated environments, the less dense hot air tends to accumulate in upper areas due to convection while in summer the gas emissions linked to the large quantities of energy consumed by air conditioning systems require a more attentive and aware attitude towards the environment.

BENEFITS

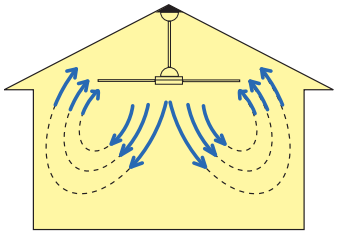
Ceiling fans are an excellent solution for cooling and heating environments. In winter fans installed on the ceiling are able to destratify the warm air accumulated in the upper areas of the room and to distribute it homogeneously with a consequent energy recovery.

In summer it is not only a reduction in temperature that contributes to cooling but also optimal air circulation: a ceiling fan spinning at low speeds increases the sensation of coolness, makes the air more breathable and reduces the energy costs arising from excessive use of the air conditioning system.
Unlike air conditioners, ceiling ventilation does not alter the temperature and humidity present in the environment and, if used in combination, enables the cooling potential to be fulfilled, allowing the system to be switched on for a less period of time and therefore reducing electricity consumption. It is therefore a simple solution to the energy saving requirement in rooms, industrial or sports environments, and in commercial spaces:

✔ MP800 destratifiers and POLAR reversible ceiling fans from Maico Italia - Elicent® meet these functionality requirements and are extremely easy to install.



WINTER (indirect ventilation)



SUMMER (direct ventilation)

Ventilation is a simple answer to the need for energy saving.

Simple and convenient **in winter as in summer**

Winter

In heated rooms the hot air, which is lighter than the cold one, tends to accumulate in the high areas as a consequence of the convection effect.
The ceiling fans allow to stratify the warm air accumulated in the high areas of the room and to homogeneously distribute it, resulting in an efficient thermal recovery.

Summer

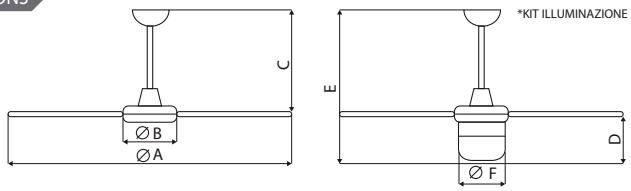
Gas emissions linked to the great amount of energy consumed by air conditioning systems require a more careful and aware attitude towards environment.
It is not only the decrease in temperature that helps to cool the room but also a good air circulation: a ceiling fan that runs at low speed increases the feeling of freshness, makes the air more respirable and reduces energy costs resulting from an excessive use of the air conditioning.

POLAR EVOLUTION

VENTILATION
Reversible ceiling fan

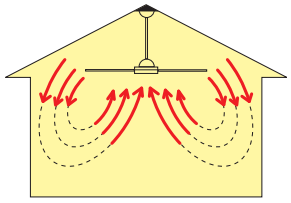
MODEL	DIAMETER (mm)	V at 50Hz	W	A	RPM	m³/h
POLAR EVOLUTION 90	900	230	65	0,25	390	5150
POLAR EVOLUTION 120	1200	230	80	0,33	330	10.080
POLAR EVOLUTION 140	1400	230	85	0,35	285	11.220
POLAR EVOLUTION 150	1500	230	90	0,38	280	13.140

DIMENSIONS

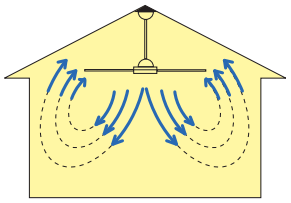


MODEL	Ø A	Ø B	C	D	E	Ø F	Kg
POLAR EVOLUTION 90/36	900	200	530	150	680	190	5
POLAR EVOLUTION 120/48	1200	200	530	150	680	190	5,4
POLAR EVOLUTION 140/56	1400	200	530	150	680	190	5,6
POLAR EVOLUTION 150/60	1500	200	530	150	680	190	5,9

REVERSIBILITY



WINTER
direct ventilation



SUMMER
indirect ventilation

ACCESSORIES

Light kit

Remote controller and receiver kit

RVS/L 5 speed controller
with on/off and light switch.
Max load 0,5 A. IP42 protection.
Size 118x118x58 mm.

30 and 90 cm rods

RVS PLUS EVO: 5 speed
controller with on/off switch.
Regulation up to 4 POLAR.
Max load 1,5 A. IP 42 protection.
Size 158x118x76 mm.

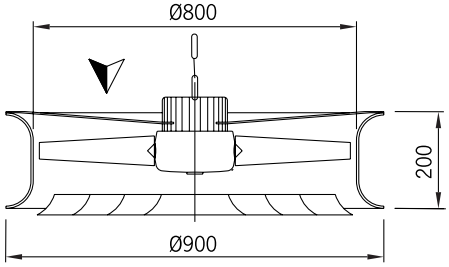
MP800

VENTILATION
Air Scatter

- Single (230V) or three-phase (400V) motors
- Supplied with ceiling fixing chains
- Ideal for large heated premises
- Ecach scatter covers an area of 200 m²

MODEL	m³/h	KW	RPM	PROTECTION IP	dB (A) (at 6 m)	Kg
MP800 single-phase	9000	0,14	450	55	54	26
MP800 three-phase	10500	0,12	530	55	59	25

DIMENSIONS



MODELLO	Ø A	B	Ø C
MP800	900	200	800

PRINCIPLE

The effectiveness of hand drying is an essential aspect for reducing the transmission of bacteria and other micro-organisms, as it is more likely to occur with wet skin than dry skin; in this respect certain studies have discovered that six times more bacteria grow on the surface of paper towel dispensers than on air-powered devices.
Paper towels are also systematically used in excess with consequent disposal and recycling expenses.

BENEFITS

Electric hand dryers and hair dryers offer the advantage of greater hygiene for the people using them, as direct contact is avoided and is replaced by a jet of hot air that is activated with a button or the photocell, drying the hands or hair while also giving a sensation of softness and cleanliness.

Their operation is ensured 24/7 and paper waste is avoided when using these devices instead.

Rooms in which they are installed are certainly cleaner and tidier, and for high-traffic areas they provide anti-theft and anti-vandalism peace of mind:

✔ **In the next generation hand driers of the ECOJET Series from Maico Italia - Elicent® the jet of hot air is replaced with an air blade, which is much more powerful and comes out of several slots, ensuring quick drying in just 8 seconds; although the ECOFLOW Series has a traditional automatic functioning, being equipped with a high speed motor it ensures drying in just 12 seconds. Both series are free from electrical resistance and optimise electricity consumption, and are therefore particularly ecological**

✔ **The HD and HR Series from Maico Italia - Elicent® guarantee the advantages mentioned above and offer particular cost savings**

THE ADVANCED QUALITY

7 Good reasons
for choosing hand dryers as opposed to traditional drying systems

1. **24/7** automatic service.
2. No costs of buying, supplying and disposing of paper towels.
3. High waste reduction: paper is usually overused, hand dryers are used only for the necessary drying time.
4. Restrooms look cleaner and tidier.
5. Antivandal models availble for high traffic zones.
6. Higher hygienic standards, lower bacterial proliferation in the bathroom.
7. **Optimized used of energy:** reduced waste and carbon footprint.

THE ADVANCED QUALITY

COVER WITH ANTI-VANDAL LOCK
Steel one-piece vandal-proof cover, extremely robust and impact-resistant. The cover can be locked and removed for cleaning with the special wrench supplied.
The special finishing in white epoxy SCRATCH-RESISTANT PAINT is ideal for a long-lasting quality and an efficient cleaning (even from spray paints or marker pens).

UV STABILIZED
Made of UV resistant ABS plastic.
Protected with anti-aging and fire-proof paint UL94-V0.

LOW NOISE
The noise levels are among the lowest in this category of high efficiency dryers. The wall fixing plates are provided with an anti-vibration gasket.

QUICK DRY
The high efficiency of all models guarantee a quick dry without energy waste.

AUTOMATIC START-UP
Fitted with an infra-red sensor that starts the product automatically when hand enter the sensor detection field.
The sensor is adjustable from 8 to 12 cm through the internal trimmer.

MANUAL START-UP
Pushbutton protected against improper and violent use. Air delivery operates for 35 seconds.

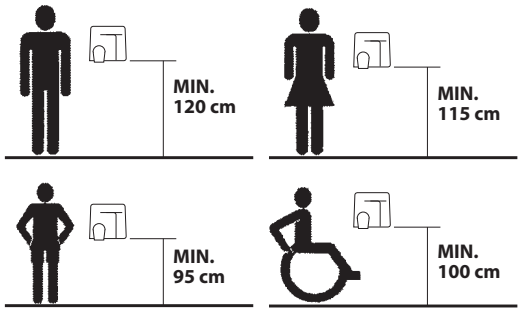
DOUBLE INSTALLATION
Class II products: no earth connection is needed.

QUICK INSTALL
A drilling ruler for a quick installation is supplied in each package. Simplified and secure lock of the cover thanks to the special wrench supplied.

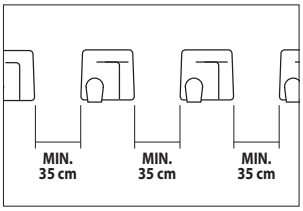
ECO-FRIENDLY
Combines energy efficiency with an optimal drying time.

INSTALLATION FOCUS

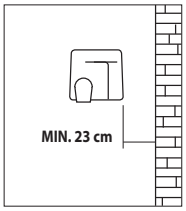
Height distance from the floor



Minimum distance for serial mounting



Minimum distance from the wall



Conformity

EN 60335-1: 2002
"Safety of electrical appliances for domestic use and similar"

EN 60335-2-23
"Appliances for skin and hair care"

EN 50366
"Appliances for domestic use and similar.
Electromagnetic fields: evaluation mmethods and measures"

2004/108/EC
EMC Directive (Electromagnetic compatibility)

2006/95/EC
Low Tension Directive

ECOJET

HYGIENE

Ecological and high speed hand dryer

White finish

Inox finish

TECHNICAL SPECIFICATION	
RPM	30.000
Air velocity (Km/h)	410
Air temperature	40°C
Power (W)	420 - 1.100
Consumption (A)	3,2 - 5
Noise level (dBA) at 2 m	65 - 68
Volt	220 - 240
Hz	50 - 60
Insulation	Class I
Estimated drying time	8 - 10 sec.
Weight (Kg)	8,3
Protection	IPX4

- Exclusive design
- ABS cover
- 4 air scatterers
- 2 IR sensors
- Drying time: 8 sec
- Air velocity: 410 km/h at 40°C
- **Energy saving: no heating element**

FEATURES

- Hand dryer of new generation: fast drying, energy efficient, ecologic, hygienic and stylish.
- "Hands in" model. Provided with 2 pairs of IR sensors on both sides of the upper covers for instant hand detection.
- High speed motor. Motor power adjustable. Class F.
- Cover in anti-scratch ABS and aluminium impeller.
- Available in white or satin grey finish.

Eco-friendly and efficient

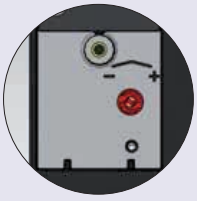
- Dries hand in 8 to 10 seconds according to the motor speed 8adjustable via an internal trimmer).
- Low energy consumption thanks to the absence of the electric heating element: the efficient drying is given by the velocity and the type of air diffusion and not by the hot temperature as in more conventional driers.
- Lowest noise level in its category.

Hygienic and safe

- The internal surface and the water tank coated with the exclusive Biocote® antimicrobial and antibacterial protection technology based on silver ions. These ions inhibit the reproduction of micro-organisms in the product throughout its lifetime.
- No water dripping onto the floor. Water tank of 0,675 capacity, easily removable for cleaning.
- Provided with an acoustic warning for full tank.
- Easy to maintain: the front casing can be easily removed to access the internal components, quick cleaning of filters, removable water tank, with external valve for easy emptying. All as part of an ergonomic design that facilitates regular cleaning.

Warning lights for a quick diagnosis of the dryer.

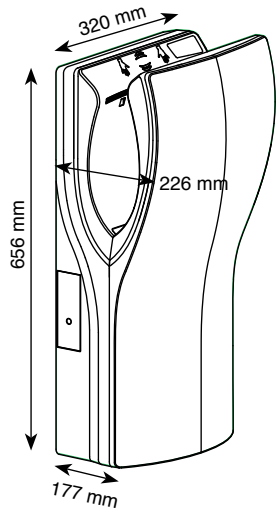
4 air diffusion layers for an ultra-fast drying.



Air speed adjusting trimmer.

Water tank easily removable from the external side.

DIMENSIONS (mm)



ECOFLOW

Eco-Friendly antivandal hand driers

ECOFLOW
Automatic
steel white finish

ECOFLOW X
Automatic steel inox

- Compact, one-piece steel cover
- Sensor operated for a complete automatic operation
- Drying time: 8-12 sec.
- Air velocity: 325 km/h at 40°C
- **Energy saving: no heating element**

TECHNICAL SPECIFICATION	
Airflow (m3/h)	187
RPM	19.000 - 30.000
Air velocity (Km/h)	325
Air temperature	40° C
Motor power (W)	420 - 1150
Consumption (A)	3,3 - 4,7
Noise level (dBA)	68-75 dB
Volt	220-240 V
Hz	50-60
Insulation	Class I
Estimated drying time	12 sec
Weight	4,7 Kg
Protection	IP23

FEATURES

- Energy efficient antivandal hand dryers.
- Compact, one-piece steel cover.
- IR sensor operated for a complete automatic operation. Distance detection is adjustable by potentiometer (5-25 cm).
- High-speed adjustable motor, Class F.
- Available in white or steel finish.

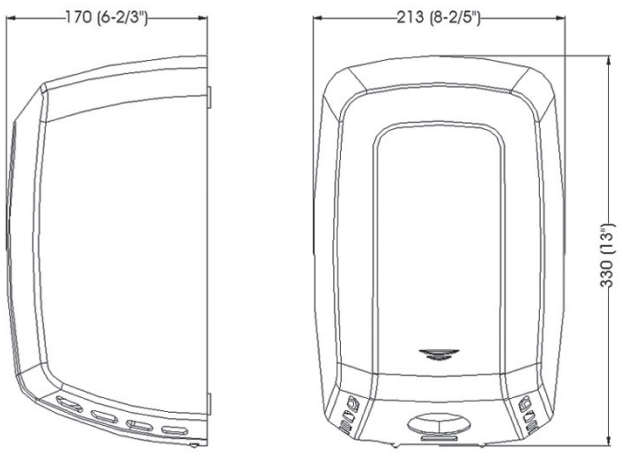
Eco-friendly and efficient

- Ultra-fast drying time: 8-12 seconds according to the motor speed (adjustable via internal trimmer).
- Low energy consumption thanks to the absence of the electric heating element: the efficient drying is given by the velocity of the air (325 km/h) and not by its temperature as in more conventional driers.
- Noise registered is at the lowest level among the range of high velocity fans.

Robust and safe

- Antivandal construction in steel with frame in ABS with high mechanical resistance. Provided with silent block to reduce the mechanical vibrations.
- Automatic switch off of the dryer after 60 seconds of continuous use.

DIMENSIONS (mm)



HD300

HD300A

Automatic white
or inox finish

Sensor operated
(adjustable through internal trimmer)
Optimized energy consumption:
immediate stop after the hands are removed.

Steel AISI 304

HD300P

Manual white
or inox finish

Push-button activation
(electronic timer with a 35 seconds cycle)

- One-piece cover steinless steel
- For high traffic facilities
- Manual or Automatic versions

Vandal-proof lock system
(wrench supplied).

Internal trimmer
to set the sensor.

High efficiency
centrifugal impeller
in aluminium.

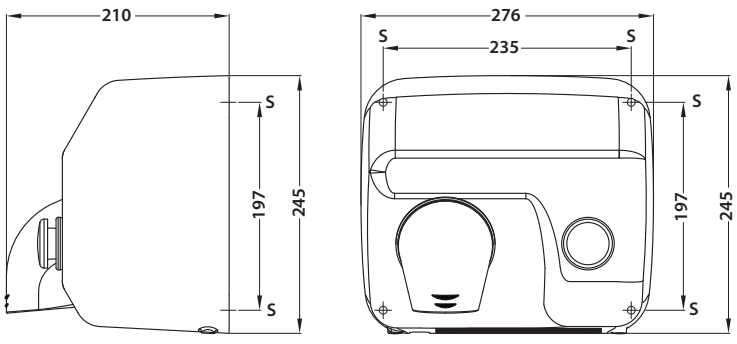
TECHNICAL SPECIFICATION	
Airflow (m³/h)	330
RPM	5500
Air velocity (Km/h)	96
Air temperature	53°C
Motor power (W)	250
Resistance (W)	2000
Consumption (A)	10
Noise level (dBA)	68
Volt	220-240
Hz	50/60
Insulation	Class I
Estimated drying time	25 sec
Weight Kg	4,9 Kg (A) - 4,65 Kg (P)
Protection	IP23

FEATURES

- Compact, steel one-piece cover white epoxy coated and anti-scratch painted, 1,5 mm thick.
- Cover fixed to the base by means of 2 vandal-proof lock screws and locked with a special wrench supplied.
- Base in aluminium with anti-vibration supports, 3 mm thick, with 4 ø8 mm holes for wall mounting.
- Chrome-plated 360° revolving vandal-resistant nozzle, for hand and face drying.
- Warm airflow (53°C) at high velocity (96 Km/h) for a quick drying.
- Fire-resistant UL94-V0 impeller casing.
- High efficiency centrifugal impeller in aluminium.
- Waved wired NiCr heating element with self-resetable thermal cut-off.
- Universal brush motor, class F, incorporating a safety thermostat and a self-resetable thermal cut-off at 120°C.

360° ORIENTATION
Dries hands and face

DIMENSIONS (mm)



HD100

HYGIENE
Hand Dryer CLASSIC

HD100P
Manual

HD100A
Automatic

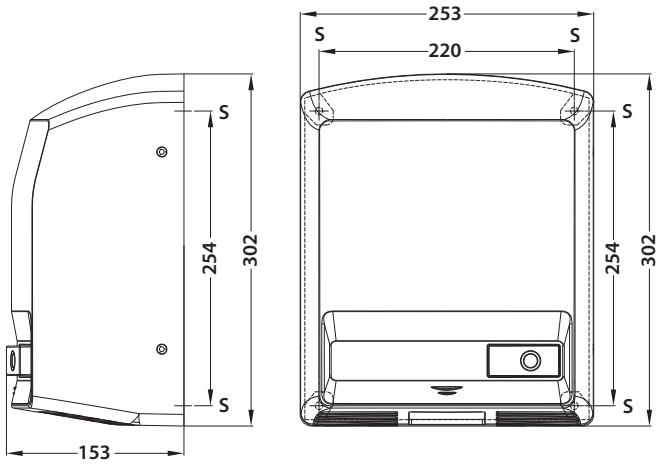
- Classic design
- Compact
- Manual or Automatic versions
- Medium traffic facilities

TECHNICAL SPECIFICATION	
Airflow (m^3/h)	240
RPM	2.800
Air velocity (Km/h)	65
Air temperature	52°C
Motor Power (W)	140
Heating element power (W)	1500
Consumption (A)	7
Noise level (dBA)	58
Voltage (V)	220-240
Frequency (Hz)	50/60
Electrical insulation	Class II -
Drying time	35 sec
Weight Kg	3 Kg
Protection	IP21

FEATURES

- Compact, one-piece cover made of UV resistant ABS white plastic, 3 mm thick.
- Cover fixed to the base by 4 screws.
- Air outlet grille in Zamak.
- Manual start-up through pushbutton which activates an electronic timer with a 40 seconds cycle.
- Warm airflow (52°C) at high velocity (65 Km/h) for a quick drying.
- Housing and impeller in fire-resistant ABS plastic UL 94-V0.
- Waved wired NiCr heating element with self-resetable thermal cut-off.
- Class F motor, incorporating a safety thermostat and a self-resetable thermal cut-off at 70°C.

DIMENSIONS (mm)



S = screw holes

HR100

HYGIENE
Wall-mounted hair dryer

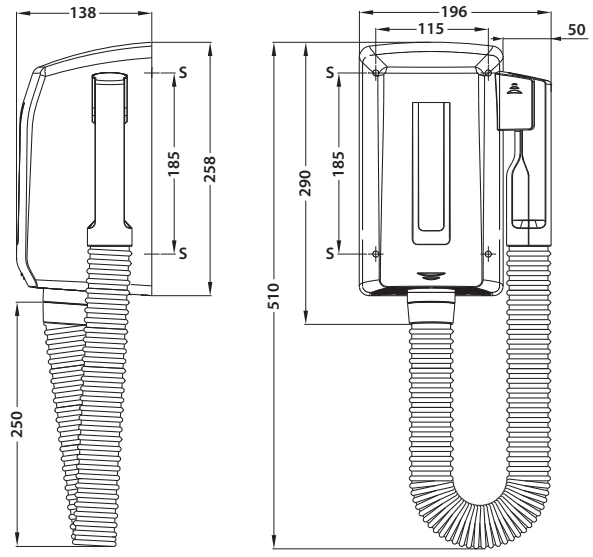
- Elegant and compact design
- Safe and efficient

TECHNICAL SPECIFICATION	
Airflow (m^3/h)	40
RPM	15.000
Air velocity (Km/h)	79
Air temperature	60°C
Motor Power (W)	150
Heating element power (W)	700
Consumption (A)	3
Noise level (dBA)	60
Voltage (V)	220-240
Frequency (Hz)	50/60
Length tube (mm)	800 - 2000 mm
Weight Kg	1,8 Kg
Electrical insulation	Class II -
Protection	IP23

FEATURES

- Quick and easy installation.
- Automatically activates when hand piece is removed from base.
- Fitted with a special security system which switches off the dryer after 15 min of use.
- High velocity airflow (79 Km/h) for a quick drying.
- White ABS plastic one-piece cover , 3 mm thick, impact-resistant and UV protected.
- The polyurethane extensible tube follows your movements while drying.
- PP UL 94-V0 helicoidal fan wheel.
- White ABS handset with a thermal protector inside.
- White ABS support and fixing.
- Motor, class B, with thermal protection.
- Waved NiCr wire heating element that incorporates a self-resetable thermal cut-off.

DIMENSIONS (mm)



SENSORS AND CONTROLLERS

R10 series

SENSORS

- Surface or built-in installation
- Suitable for home automation systems

R10 TIMER
Remote timer

- **Electronic timer, adjustable from 3 to 25 minutes**
- The fan to which it is connected will overrun after switch-off for the pre-set time.
- Time adjustment via external knob
- ON/OFF light switch
- New design with protection cover
- Suitable for surface and built-in installation
- Ease of connection by means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 117-230V / 50-60 Hz
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm

R10 HY
Remote Humidity Sensor

- The sensor **automatically** switches ON/OFF the fan according to the detected level of relative humidity, **adjustable from 40 to 90%.**
- The permanent control of the humidity level offers important advantages: maximum comfort for the user and energy saving as the fan is activated only if necessary.
- Suitable for surface and built-in installation
- Ease of connection by the means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 117-230V / 50-60 Hz
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm

R10 P.I.R
Remote Passive Infrared Sensor

- The fan goes on any time the sensor detects a human presence in the room
- **Provided with integral delay timer adjustable from 3 to 25 minutes,** which keeps the fan running for the pre-set period after the room is vacated
- **Ideal solution for public toilets**
- The green led indicates that the sensor is detecting
- Suitable for surface and built-in installation
- Ease of connection by means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 230V / 50-60 Hz (different voltage upon request)
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm

R10 AQS
Remote Air Quality Sensor

- The sensor reacts to tobacco smoke and unpleasant odours
- **It automatically switches the fan ON/OFF according to the detected air quality level, manually adjustable.**
- Suitable for surface and built-in installation
- The permanent control of indoor air quality offers important advantages: maximum comfort for the user and energy saving as the fan is activated only if necessary.
- **Ideal for public premises**
- Ease of connection by the means of removable terminals
- Preset holes for surface or recessed cable entry
- **Max load 4 A**
- Single-phase 117-230V / 50-60 Hz
- Class II protection, no earth connection is needed
- **Provided with protection fuse**
- Weight: 0,5 Kg
- Dimensions 110x80x42 mm

CO_2 Sensor

- The fan automatically starts running when the sensor detects a CO_2 concentration included in a range from 500 to 2000 ppm
- Provided with 5 LED that indicate the level of CO2 concentration in the air
- Voltage : 14 V - 48 V DC / 16 V - 36 V AC
- Ampere: Inom 0,02 / Imax 0,1
- Protection IP20
- Suitable for ambient temperature from 10°C to 40°C
- Dimensions (Lxpxh): 79x30x120 mm
- Weight 0,1 kg

SENSORS AND CONTROLLERS

ELECTRONIC CONTROLLERS

SPEED CONTROLLERS

R10

- Infinitely variable electronic speed controller by potentiometer
- New design with cover
- **Suitable for surface and built-in application**
- Ease of connection by the means of removable terminals
- External trimmer for the adjustment of the fan minimum speed
- Protection fuse
- Preset holes for surface and recessed cable entry
- Single-phase 230V – 50 Hz
- **Max. load 1A**
- Protection IP42
- Weight 0,5 Kg
- Dimensions 110x80x42

R15

- Infinitely variable electronic speed controller by potentiometer
- New design with cover
- ON/OFF light switch
- **Suitable for surface and built-in application**
- Ease of connection by the means of removable terminals
- External trimmer for the adjustment of the fan minimum speed
- Protection fuse
- Preset holes for surface and recessed cable entry
- Single-phase 230V – 50 Hz
- **Max. load 1,5 A**
- Protection IP42
- Weight 0,5 Kg
- Dimensions 138x80x42

RV1

- Electronic speed controller
- Infinitely variable speed control by potentiometer.
- ON/OFF switch
- IP42 protection
- **Max. load: 800 W (4A)**
- **Min. load: 400 W (1A)**
- Supply voltage: 230V-50 / 60 Hz
- Sizes: 110x100x58 mm
- Weight: 0,5 kg

CONTROLLERS WITH TRANSFORMER

SPEED CONTROLLERS

RLS
2 speeds

- **Speed control (Min/Max) and On/Off switch**
- New design with cover
- **Suitable for surface or built-in installation**
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42

RLS 3V
3 speeds

- **Remote 3 speed control (Min/Max) and On/Off switch**
- New design with cover
- **Suitable for surface or built-in installation**
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42

RVS
5 speeds

- **5 steps speed controller** (fitted with transformer)
- ON/OFF switch
- IP42 protection
- **Max. load: 100 W (0,5 A)**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg

RVS/R
3 speeds

- **Reversible speed controller**
- ON/OFF switch
- IP42 protection
- **Max. load: 0,5A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg

RVS/R
5 speeds

- **Reversible speed controller**
- ON/OFF switch
- IP42 protection
- **Max. load: 0,5 A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg

RVS/R PLUS
6 speeds

- **Reversible multi controller**
- Regulation up to 5 pcs of VITRO 9 or 3 pcs of VITRO 12 contemporaneous.
- ON/OFF switch
- IP42 protection
- **Max. load: 1,5 A**
- Supply voltage: 230V-50/60 Hz
- Sizes: 158 x 118 x 76 mm
- Weight: 1,8 kg

RLS 1 WR

- **Remote controler**
- Manual selection of three modality of continuous running:
  I - Low ventilation modality
  II - Intermediate ventilation modality
  III - Intensive ventilation modality
- supply voltage 230V – 50/60 Hz
- Weight 0,50 Kg
- Dimensions 75 x 75 x 30

Supplied with
REC in linea EC 140 - 180 - 220 / REC 320
Accessory for EC versions of Microbox and Multibox.

CP

- **Continuous speed Controller**
- Suitable for Microbox and Multibox Control

TOUCH PANEL
Touch panel controller with coloured screen

The panel allows to manually or automatically manage (through the weekly programming) the following functions:

- The Speed/ventilation level regulation
- The ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- The threshold humidity level over which the unit increases its speed
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- The Sleep modality that allow to have the unit running silently at low speed during the night
  supplied with REC in linea TC, REC 320 TC

REMOTE CONTROLLER
Remote radio controller to manage the following functions

Through the remote radio controller it is possible to manage the following functions:

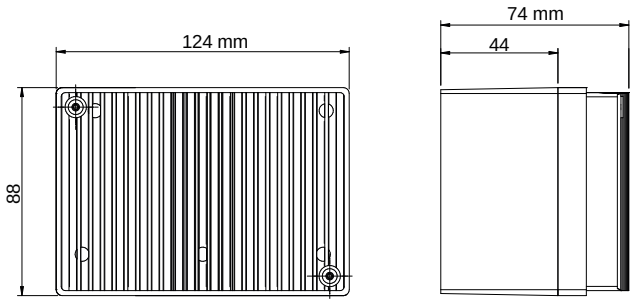
- On/Off
- The Speed/ventilation level regulation
- The Sleep modality that allow to have the unit running silently at low speed during the night (the boost function is excluded)
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed
  supplied with REC DUO 100 Plus AC

E-VSD

VARIABLE SPEED DRIVE

Controller that continuously adapts the electrical
power supplied to the motor in order to regulate the ow rate
through the control panel interface **CP-RH** or **CP-AQS**

CHARACTERISTICS
Supply: 220 - 240 Vac ; 50/60Hz.
Maxim un Power: 300 W
W a terproof: IPX4
Main materials: Aluminium cover
Selfestinguishing casing (UL - 5VA) for surface mounting installation

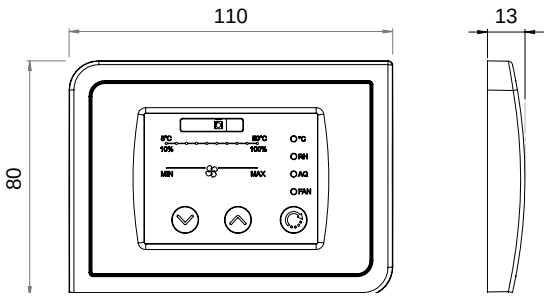


CONTROL PANEL

CP-RH

CP-AQS

CHARACTERISTICS
Control panel:
Measures a set of (control) parameters representative of
the ventilation demand / quality of the indoor air.
Interface with E-VSD controller.



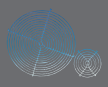
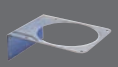
FUNCTION:	CP-RH	CP-AQS
Temperature control	●	●
Relative humidity detection	●	●
Air quality control		●
Continuous Speed Regulation	●	●

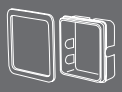
Choose the right controller

FANS	TRANSFORMER					ELECTRONIC	BUILT-IN ELECTRONIC	
	RVS	RVS1	REVERSIBLE		RLS	RV1	R10	R15
			RVS/R 3V - 5V	RVS/R PLUS				
AXC 100 A/B - 125 A/B - 150 A - 160 A	●						●	
AXC 150 B - 160 B		●					●	●
AXC 200	●						●	●
AXC 250		●					●	●
AXC 315		●						
AXC 355 A		●						●
AXC 355 B						●		
AXC TP 100-125-150-160	●						●	
AXM 100 - 125 - 150 - 160 - 200	●						●	
BUILT-IN 9		●	●	MAX 5				
BUILT-IN 12		●	●	MAX 3				
ECO LINE	●						●	
E-MAX	●				● 2V		●	
ELEGANCE	●						●	
ELIX	●						●	
ELPREX	●						●	
E-SMILE	●						●	
E-STYLE	●						●	
EXT 100 - 125 - 150 A - 160 A	●						●	●
EXT 150 B - 160 B - 200 A/B							●	●
JOLLY	●						●	
FLUX	●						●	
MICROBOX 3V					● 3V			
MULTIBOX 3V					● 3V			
MINISTYLE	●						●	
MURO	●						●	
MRF 100 - 125 - 150	●						●	●
MRF 160 - 200 - 250		●					●	●
MRF 315		●						
RADIA	●						●	
TUBO	●						●	
VITRO 6/150 A	●						●	
VITRO 9/230 Automatic / Reversible		●	●	MAX 5				
VITRO 12/300 Automatic / Reversible		●	●	MAX 3				

HRU	TOUCH PANEL 2RV4167	REMOTE CONTROLER 5SL0022	RLS 2RV4158	RLS 3V 2RV4168	RLS 1 WR 2RV1003	CP 2RV4171	CP AQS 2RV4180	CP RH 2RV4179
REC Duo 100 - DUO 100 MHY			●					
REC Duo 100 PLUS RC		● (included)	●					
REC Smart standard			●					
REC Smart MHY			●					
REC Smart Plus RC		● (included)						
REC Smart Plus TC	● (included)							
REC in linea 180 AC				●				
REC in linea 220 AC				●				
REC in linea 140 EC	●				● (included)			
REC in linea 180 EC	●				● (included)			
REC in linea 220 EC	●				● (included)			
REC in linea 140 EC Plus TC	● (included)							
REC in linea 180 EC Plus TC	● (included)							
REC in linea 220 EC Plus TC	● (included)							
REC 280 AC				●				
REC 320 EC	●				● (included)			
REC 320 PLUS TC	● (included)							
MICROBOX - MULTIBOX 3V				●				
MICROBOX CONTROL - MULTIBOX CONTROL						●		
MICROBOX CONTROL$^+$ AQS - MULTIBOX CONTROL$^+$ AQS							● (included)	
MICROBOX CONTROL$^+$ HY - MULTIBOX CONTROL$^+$ HY								● (included)
MICROBOX EC AQS - MULTIBOX EC AQS							● (included)	
MICROBOX EC HY - MULTIBOX EC HY								● (included)

Accessories

	AL Back-draught shutter.	MINISTYLE E-STYLE
	SA Back draught shutter.	AXC MET AXC TP AXM
	CA Outlet connection piece with back draught shutter ø 100-120 mm.	FLUX
	SG Safety grille.	AXC MET AXM
	PL Wall cover plate.	MINISTYLE ECO GG-GF-A
	WPL WALL CONNECTING PLATE for round pipe	ø 100 mm ø 125 mm ø 150 mm
	SF Kit for double window installation.	VITRO
	SM Kit for wall installation.	VITRO
	SV Kit for double glazed window installation.	VITRO
	SX Wall fixing brackets.	AXC MET
	SXP Wall fixing plate for TP centrifugal in line fans.	AXC TP
	FA Hose clamps.	AXC MET AXC TP
	SIL Silencers.	AXC MET
	SHAFTS cm 30 cm 43 cm 90	POLAR

	LIGHT KIT	POLAR
	KIT RVS/RVS-R Built –in wall kit for RVS and RVS-R speed controllers.	
	FILTER Metal grease filter	E-SMILE FLUX RADIA
	WINDOW KIT Window kit with external fixed grille.	ECO GG ECO A
	WINDOW KIT Window kit with external gravity shutter.	ECO GF
	MGE External gravity shutter.	MINISTYLE TUBO ECO GF
	MFE External fixed grille.	E-SMILE / MINISTYLE TUBO / E-STYLE ECO GG ECO A
	BCR White Round grille with net.	ø 100 mm ø 125 mm ø 150 mm ø 200 mm
	BC VENTILATION WHITE ROUND GRILLE for indoor and outdoor use, for furniture, doors, fillings and vent pipes, whitout flyscreen	ø 100 mm ø 125 mm ø 150 mm ø 200 mm
	Transformer for SELV products	
	BEIP inlet/outlet round ventilation grille	Ø 100 mm Ø 125 mm
	BEA ventilation grille	30 m3/h Ø125 mm 60 m3/h Ø125 mm
	BH humidity controlled ventilation grille	10/60 m3/h

A wide range of ducts and accessories for heat recovery ventilation is also available.


Air is like music: you can't see it but
you can surely appreciate the quality.
elicent®
advanced ventilation

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Member of:

We reserve the right to modify any technical data without notice.
Different voltage and frequency upon request.

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