



# GUIDELINES FOR A CORRECT VENTILATION

## Selecting the correct fan

Extraction is always made from humid/polluted premises:

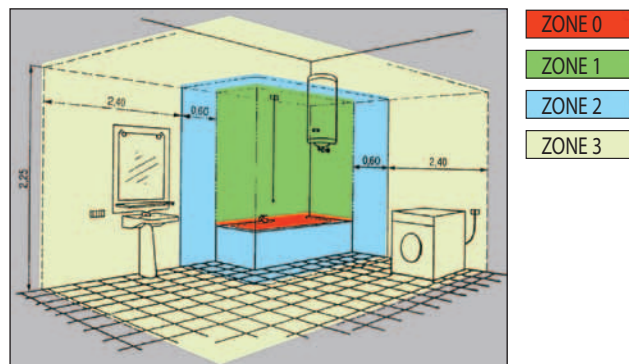
kitchens, laundries, toilets, bathrooms, bars... To choose the fan airflow needed for a specific application, use the following calculation:

**Airflow = volume of the room in m<sup>3</sup> x number of air changes per hour**




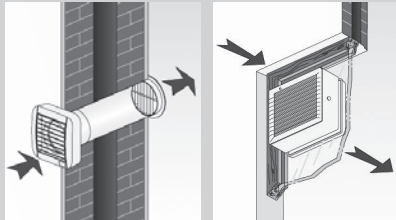
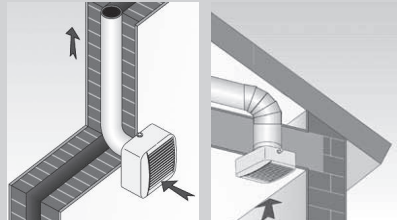
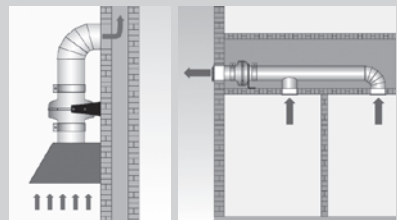
Type of room	Air change per hour
Kitchens	6 - 10
Bathrooms and shower rooms	8 - 12
Toilets	8 - 10
Public toilets	10 - 15
Restaurants and bars	10 - 12

## 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 fan








 <b>Axial Fans</b>	 <b>Centrifugal fans</b>	 <b>Centrifugal in-line fans</b>
<b>Axial fans</b> are designed to extract large volumes of low pressure air directly to the outside and over short distances (max. duct length 3 m). Suitable for wall, window, duct and ceiling application.	Centrifugal fans are designed to extract air over long distances and to overcome the resistance of long length and curved ducting. Suitable for wall, ceiling, roof (MRF) application.	Centrifugal in-line fans have a powerful centrifugal impeller and their special shaped housing allows the air to be drawn over its axis (inline). Suitable for duct installation.
		
<b>Elicent wall axial fans:</b> Elegance - E-Style - Ecoline - Ministyle - Built-in  <b>Elicent window axial fans:</b> Vitro	<b>Elicent centrifugal fans:</b> Elix - Elprex - Radia - Flux - Chef - EXT - MRF	<b>Elicent centrifugal in-line range:</b> AXC - AXC TP - AXM

## 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	✓	✓	✓	✓	✗	😊	😊
BATHROOM	✓	✓	✓	😊	😊	✗	✓
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



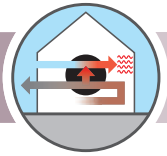
Splash proof protection (EN 60335-2-80)



Drop protection (EN 60335-2-80)



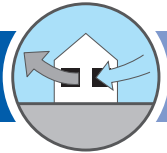
Maximum operating temperature



## VENTILATION WITH HEAT RECOVERY










REC Smart - Single Room HRU





## EXTRACT VENTILATION

### Centralized extract ventilation






	MICROBOX
	MULTIBOX
	AXM
	EXT
	MRF
	AXC
	AXC TP

### Decentralized extract ventilation

#### AXIAL FANS

	ELEGANCE 
	E-STYLE PRO - E-STYLE TREND
	ECOLINE
	MINISTYLE
	TUBO
	BUILT-IN
	VITRO

#### CENTRIFUGAL FANS

	ELIX 
	ELPREX
	FLUX
	RADIA





# HEAT RECOVERY UNITS



SAVINGS



WELLBEING



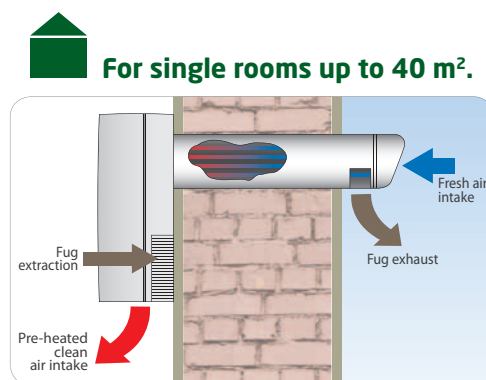
PROTECTING  
YOUR PROPERTY



COMFORT

## Decentralized HRU

- 3 models with duct diameter 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.
- Easy to install: no ducting system or heavy masonry required. A hole of  $\varnothing 100$  mm is sufficient.
- Ideal for refurbishment and energy requalification.
- Drastic solution to humidity and condensate problems.
- EC motors



## RECsmart

## RECsmart+

Full optional version  
with remote control  
or touch panel.



**NEW**



## Versions

### STANDARD

version



24/7 running at the minimum speed.

The unit switches at the highest speed through a manual command or a remote control (switch, push button or RLS controller). The highest speed is provided with a timer (adjustable from 0 to 30 minutes). At the end of the delay running, the fans automatically turn back to the minimum speed.

### MHY Version

Humidity  
control



24/7 running at the minimum speed.

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.

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.



# REC SMART

## Decentralized single room Heat Recovery Unit



For single rooms up to 40 m<sup>2</sup>



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

- Easy to install: no ducting system or heavy masonry required. A hole of  $\varnothing$  100 mm is sufficient.
- Ideal for refurbishment and energy requalification.
- Drastic solution to humidity and condensate problems.
- EC motors.



### ACCESSORY

#### RLS 2V

- ON/OFF switch
- Min / Max Speed

See pag. 62



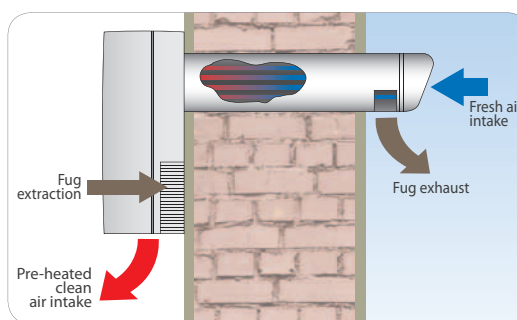
MODELS	DUCT	WALL THICKNESS	V	m³/h	l/s	W	A	dB(A)		Kg
	Ø mm	max mm						LwA	LpA*	
STANDARD Version 										
REC Smart 100/400	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
REC Smart 100/500	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9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

## FEATURES

- 3 models with duct  $\varnothing$  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



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

## VERSIONS

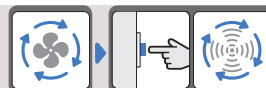
### STANDARD version



- I 24/7 running at the minimum speed.



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



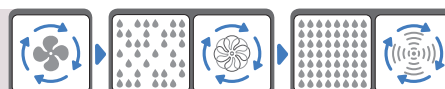
- III The highest speed is provided with a timer (adjustable from 0 to 30 minutes). At the end of the delay running, the fans automatically turns back to the minimum speed.



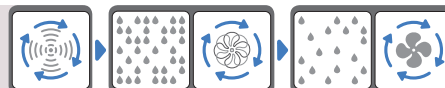
- I 24/7 running at the minimum speed.



- 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).



### MHY Version Humidity control



**NEW**

# REC<sup>smart</sup>+



**REC SMART<sup>+</sup>** is the full optional version of REC Smart, available in a range composed of 6 models, with Radio Control (RC versions) or Touch Panel Control (TC versions). The new version is available with the 3 length units (400, 500 and 600 mm).

MODELS	DUCT LENGTH (mm)	CONTROL
REC Smart Plus 400 RC	400	Radio Control
REC Smart Plus 500 RC	500	Radio Control
REC Smart Plus 600 RC	600	Radio Control
REC Smart Plus 400 TC	400	Touch Panel Control
REC Smart Plus 500 TC	500	Touch Panel Control
REC Smart Plus 600 TC	600	Touch Panel Control

All models of REC Smart+ are provided with by-pass, antifreeze and Humidity control functions. They are designed for a 24 hours running at the minimum speed.

## The boost can be activated:

- **manually** through the remote radio control or Touch panel (RLS 2V)
- **automatically** through the humidistat or the weekly programming on the Touch Panel

## Rec Smart Plus RC- Radio Control

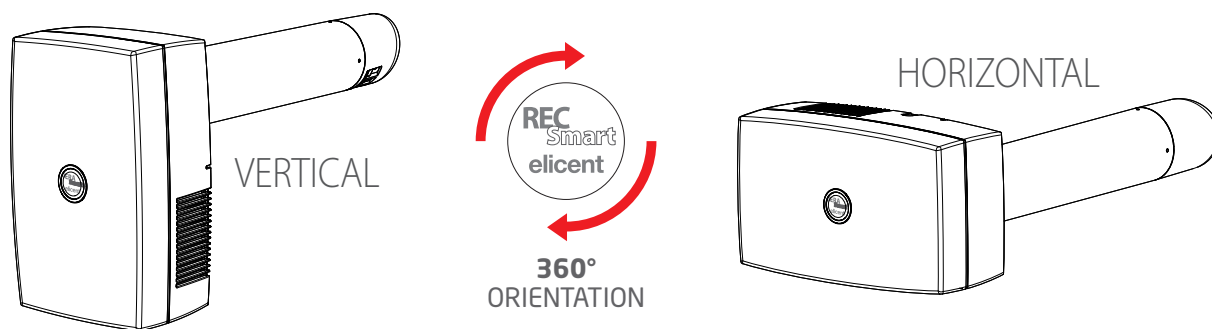
The models are supplied with a radio control. The heat recovery is provided with 3 different running lights (LED) that indicate the operation mode of the ventilation unit, including a sleep mode and an extract ventilation operation mode.

## Rec Smart Plus TC- Touch Control

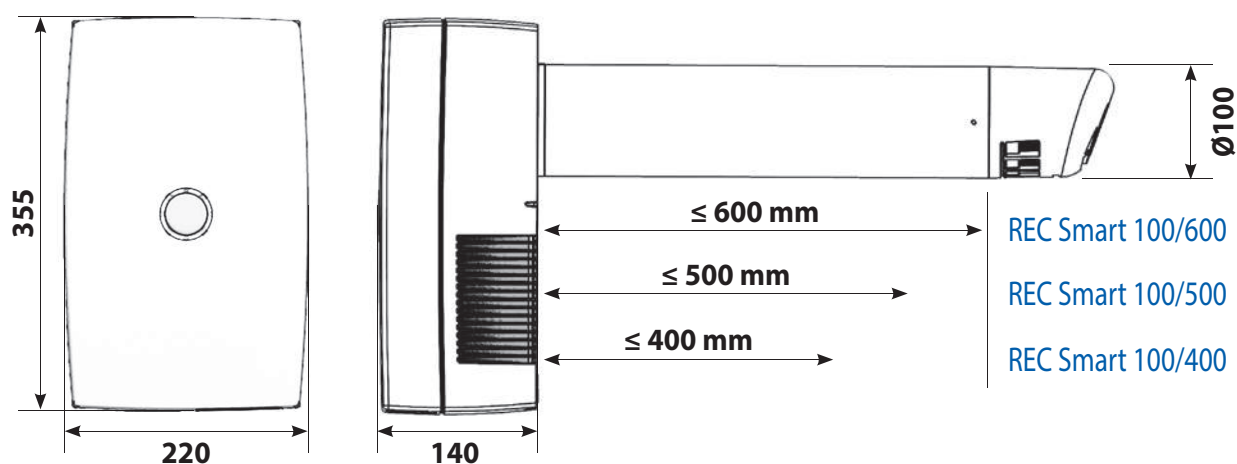
The models are supplied with a remote and coloured screen Touch Panel Control.

Through the panel it is possible to manage the speed and some indoor comfort parameters like temperature and humidity level.

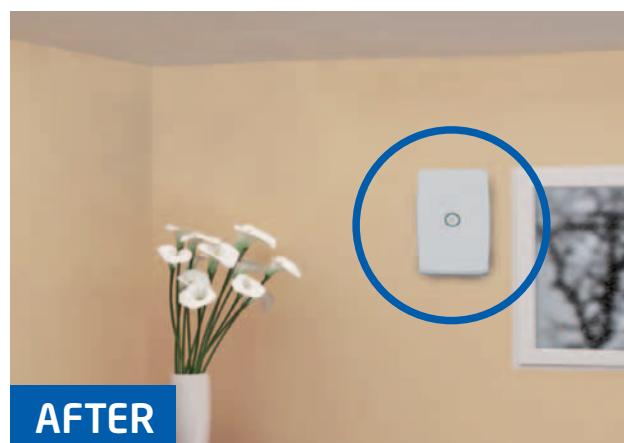
## INSTALLATION



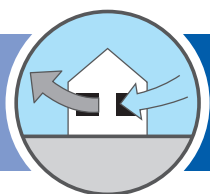
## DIMENSIONS (mm)



## REMOVE THE MOULD AND BREATHE A HEALTHIEST AIR !

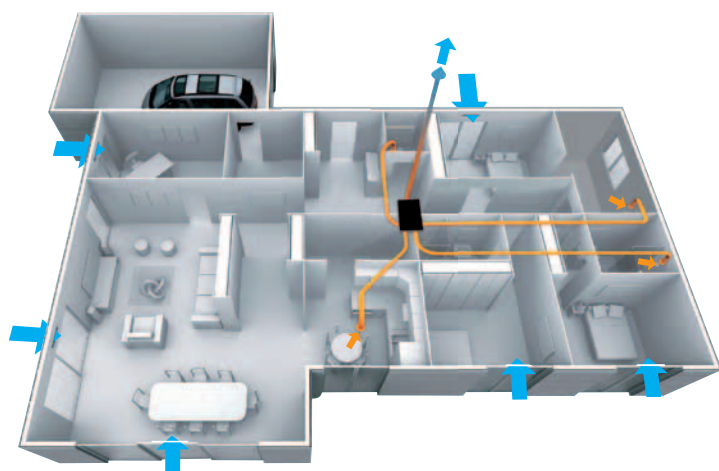






# RESIDENTIAL AND COMMERCIAL EXTRACT VENTILATION

## Centralized extract ventilation

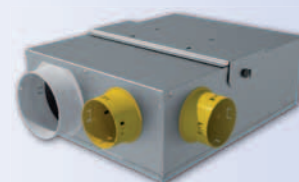


**High efficiency central ventilation solutions for air extract:** the stale air is exhausted from humid rooms (kitchen, bathroom, toilets, laundry). The fresh air is supplied by specific air entrance points.

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



**MICROBOX**



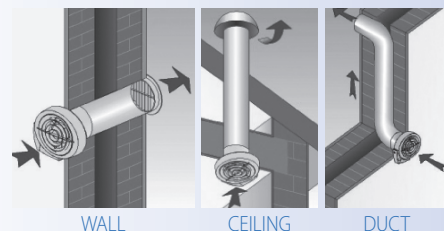
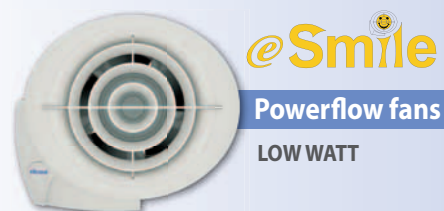
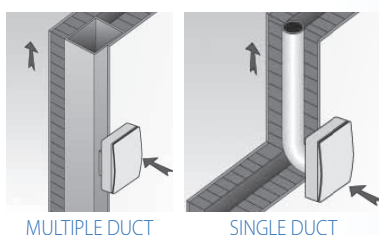
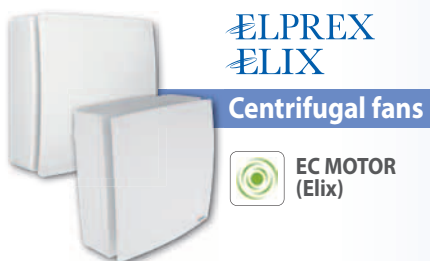
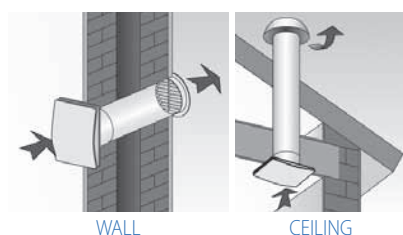
**MULTIBOX**

**NEW**



**New advanced AC versions of Multibox and Microbox with VSD controller or VSD + remote control**

## Decentralized extract ventilation - Design and Performance





# 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	80/125	AC	101/175/246	28/47/68	13/25/49	0,13/0,18/0,22	41
MICROBOX CONTROL	80/125 with VSD	AC	246	68	84	0,75	49
MICROBOX CONTROL+	80/125 with VSD and Remote Control	AC	246	68	84	0,75	49
MICROBOX EC	80/125	EC	310	86	84	0,75	49
MICROBOX 3V	3x80/125	AC	101/175/246	28/47/68	13/25/49	0,13/0,18/0,22	41
MICROBOX CONTROL	3x80/125 with VSD	AC	246	68	84	0,75	49
MICROBOX CONTROL+	3x80/125 with VSD and Remote Control	AC	246	68	84	0,75	49
MICROBOX EC	3x80/125	EC	310	86	84	0,75	49

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



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

### VERSIONS

#### ■ MICROBOX 3V

- AC motor
- 3 speed version with continuous running at the minimum speed.
- Speed are controllable through the accessory RLS 3V (not supplied)

#### ■ MICROBOX CONTROL

- AC motor
- Speed controllable through the new VSD controller in a range from 100 to 246 m³/h.
- The VSD is supplied with the fan.

#### ■ MICROBOX CONTROL +

- AC motor
- Speed controllable through the new VSD and remote controllers in a range from 100 to 246 m³/h.
- The VSD and the remote control are supplied with the fan.

#### ■ MICROBOX EC

- EC motor
- Speed controllable through the accessory RLS 1WR (not supplied) in a range from 125 to 310 m³/h.



### ACCESSORIES



#### RLS 1WR

Suitable for  
**Microbox EC.** See pag. 62

### SUPPLIED

#### VSD

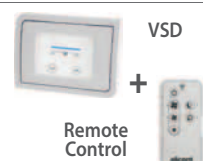


Supplied with  
**Microbox Control**



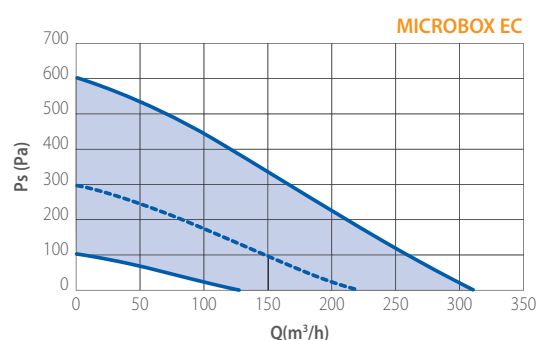
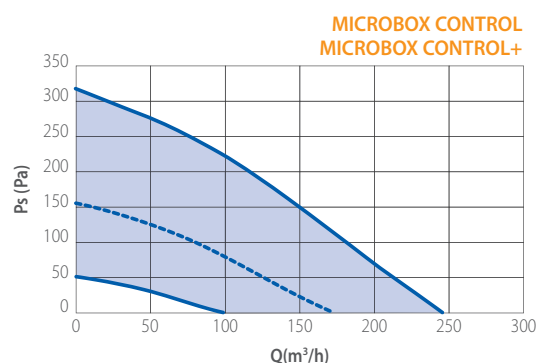
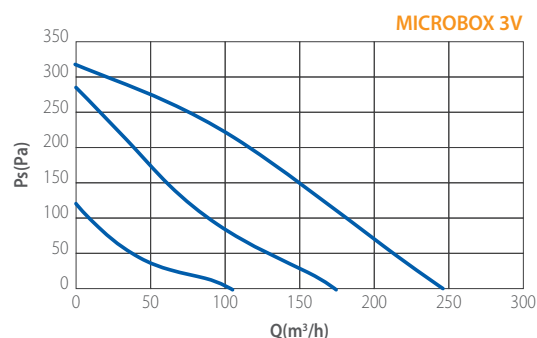
#### RLS 3V

Suitable for  
**Microbox 3V.** See pag. 62



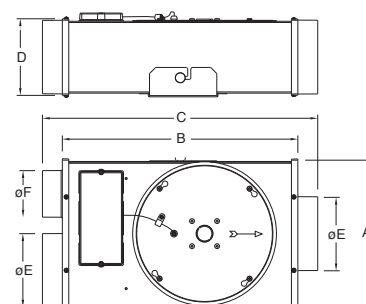
Supplied with  
**Microbox Control+**

## CURVES



## DIMENSIONS (mm)

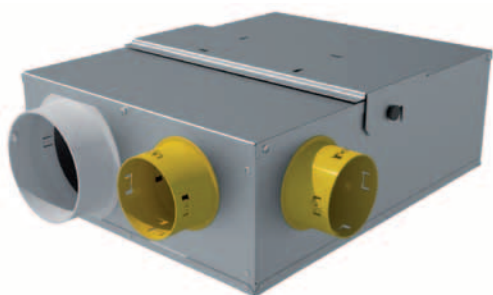
TYPE	A	B	C	D	ØE	ØF	Kg
MICROBOX	241	384	448	135	125	80	5,8





# MULTIBOX

## Whole-house mechanical extract ventilation Multiport centrifugal box



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

### VERSIONS

#### MULTIBOX 3V

- AC motor
- 3 speed version with continuous running at the minimum speed.
- Speed are controllable through the accessory RLS 3V (not supplied)

#### MULTIBOX CONTROL

- AC motor
- Speed controllable through the new VSD controller in a range from 100 to 246 m³/h.
- The VSD is supplied with the fan.

#### MULTIBOX CONTROL +

- AC motor
- Speed controllable through the new VSD and remote controllers in a range from 100 to 246 m³/h.
- The VSD and the remote control are supplied with the fan.

#### MULTIBOX EC

- EC motor
- Speed controllable through the accessory RLS 1WR (not supplied) in a range from 125 to 310 m³/h.

### ACCESSORIES



**RLS 1WR**  
Suitable for  
**Microbox EC.** See pag. 62



**RLS 3V**  
Suitable for  
**Microbox 3V.** See pag. 62

### SUPPLIED



**VSD**  
Supplied with  
**Multibox Control**

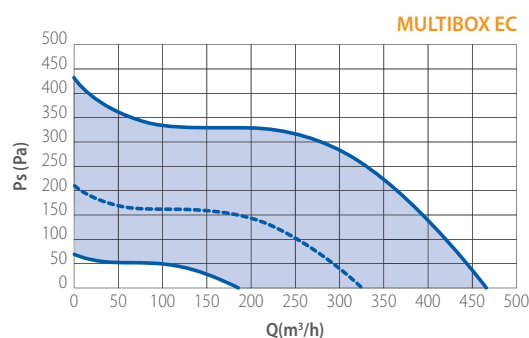
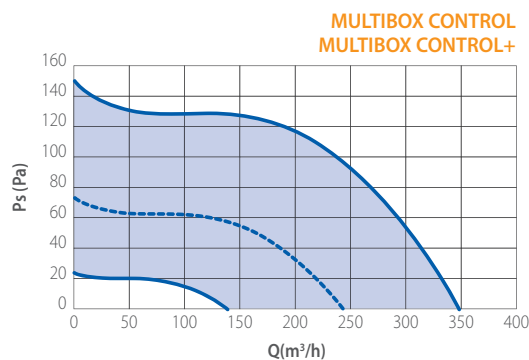
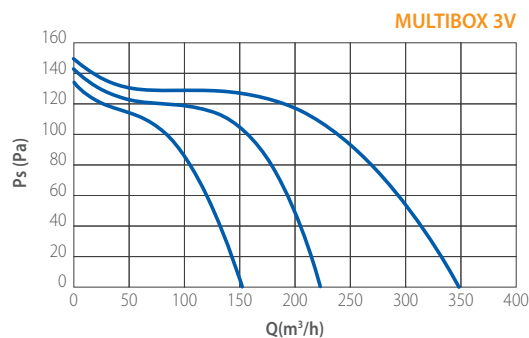


**VSD**  
**Remote Control**  
Supplied with  
**Multibox Control+**

MODELS	CONFIGURATION	Motor	m³/h	l/s	W	A	dB(A)*
			max	max	max	max	max
MULTIBOX 3V	3x80/125	AC	153/198/348	42,5/55/97	14/23/47,5	0,12/0,16/0,21	35
MULTIBOX CONTROL	3x80/125 with VSD	AC	348	97	47,5	0,21	37
MULTIBOX CONTROL+	3x80/125 with VSD and Remote Control	AC	348	97	47,5	0,21	37
MULTIBOX EC	3x80/125	EC	460	128	85	0,77	37

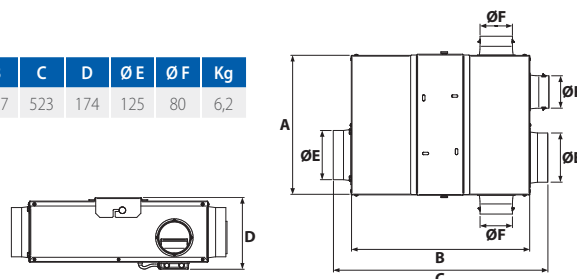
\*Lp(A) measured at 3m in open field 230V-50Hz.

### CURVES



### DIMENSIONS (mm)

TYPE	A	B	C	D	ØE	ØF	Kg
MULTIBOX	345	437	523	174	125	80	6,2





# AXM

## Mixed flow In-line duct fans



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

### VERSIONS

Timer

### ACCESSORIES

#### R 10

Electronic speed controller  
max load 1A



#### RS

4 steps speed controller with  
transformer max load 0,37 A



#### RVS

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



See pag. 62

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.

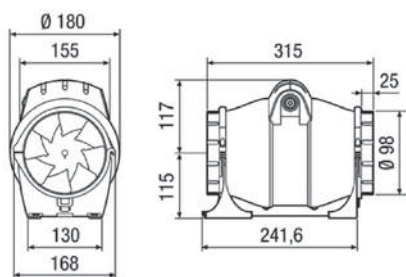
### BENEFITS

- 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.

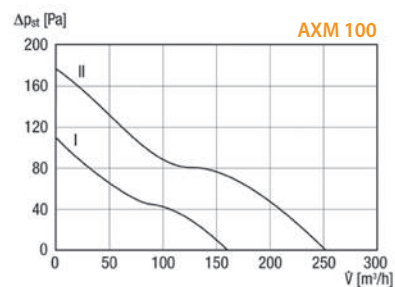


## AXM 100

### DIMENSIONS (mm)

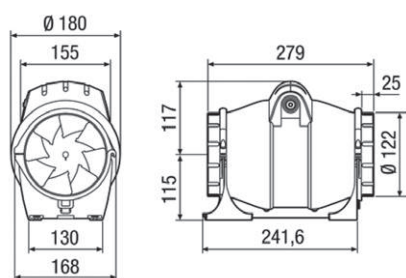


### CURVES

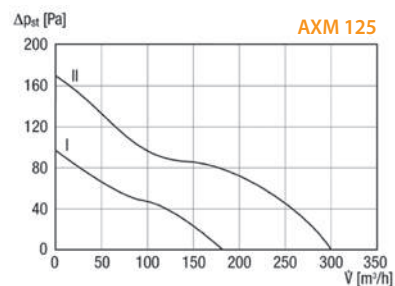


## AXM 125

### DIMENSIONS (mm)

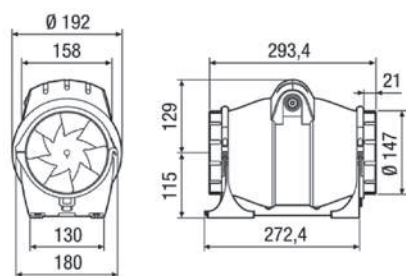


### CURVES

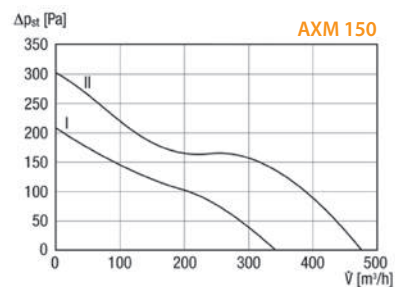


## AXM 150

### DIMENSIONS (mm)

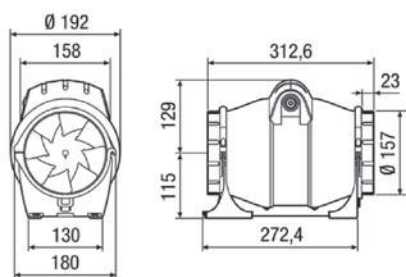


### CURVES

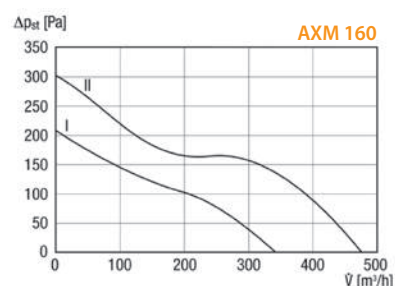


## AXM 160

### DIMENSIONS (mm)

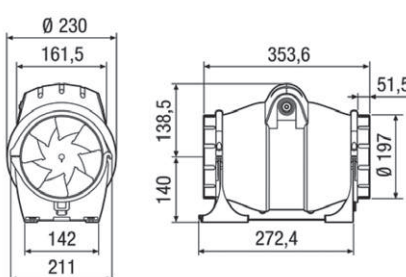


### CURVES

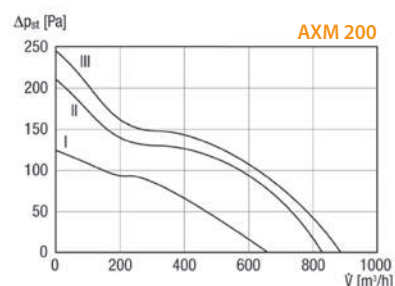


## AXM 200

### DIMENSIONS (mm)



### CURVES







## PERFORMANCES

MODELS	m <sup>3</sup> /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

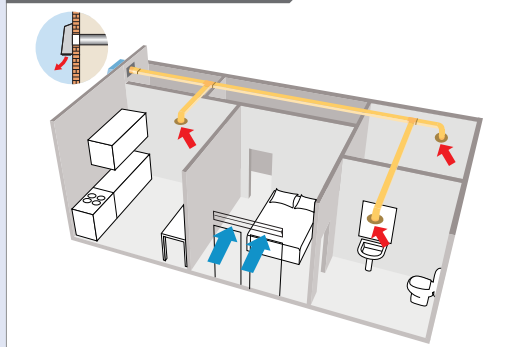
\*LpA measured at 3m in open field 230V-50Hz.



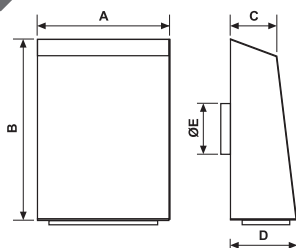
Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014. Residential Ventilation Unit.

- 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.

## INSTALLATION

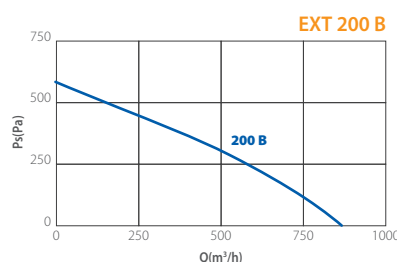
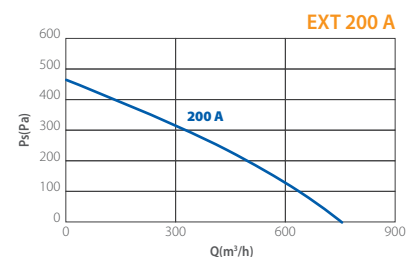
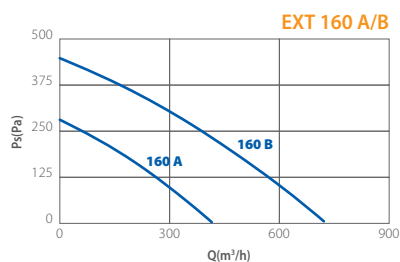
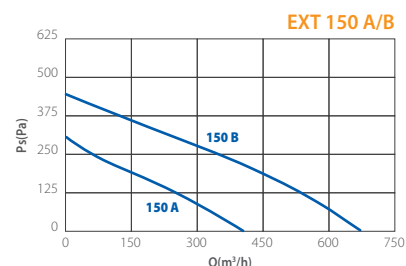
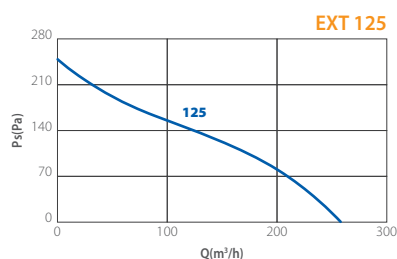
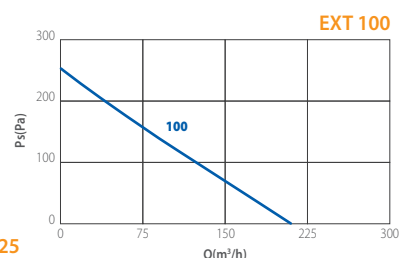


## DIMENSIONS



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

## CURVES





# MRF

## Centrifugal roof fans



### PERFORMANCES

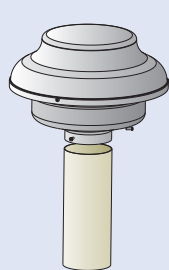
MODELS	m³/h	l/s	Pa	W	A	dB(A)*
MRF 100	318	88	415	74	0,22	52
MRF 125	342	95	395	75	0,22	52
MRF 150	579	161	459	80	0,37	52
MRF 160	736	204	515	116	0,47	54
MRF 200	794	280	503	200	0,48	55
MRF 250	866	240	602	203	0,65	51
MRF 315	1222	339	838	247	1,10	55

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

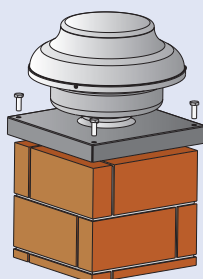


Comply with ErP Directive 2009/125/CE and UE Regulation 1253/2014. Residential Ventilation Unit.

- 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 aluminium and steel sheet with epoxy finish, highly resistant to atmospheric agents.
- Ball bearing motor.



MRF

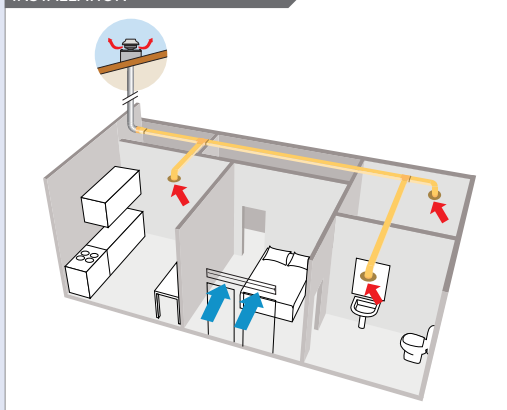


MRF/BA

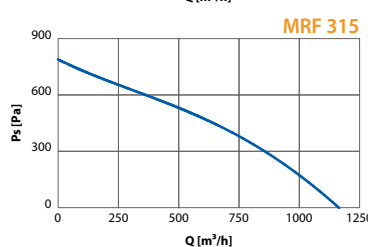
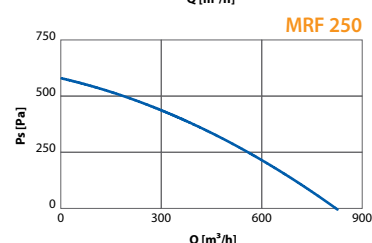
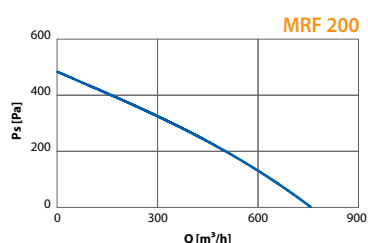
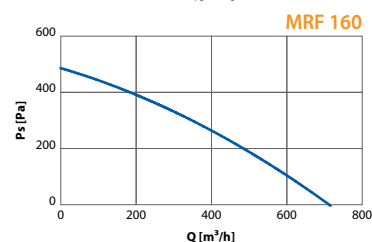
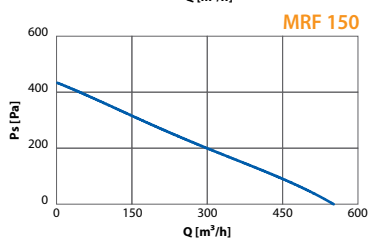
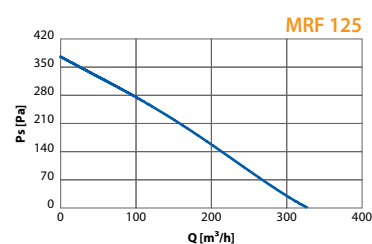
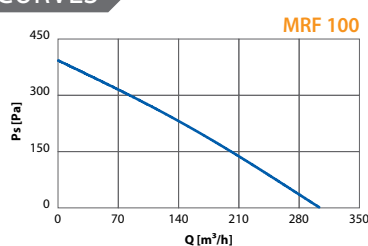
#### VERSIONS

- MRF
- MRF with square roof curb

#### INSTALLATION



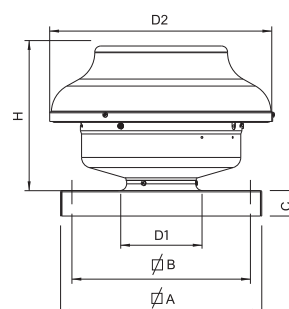
### CURVES



### 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



### 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.



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

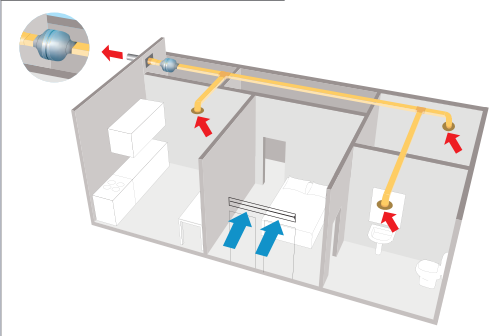
- High performance centrifugal fans for in-line duct installation.
- Easy and cost-effective solution for a centralized ventilation requirement.
- 11 models Ø100 to 315 mm.
- Steel housing with epoxy finish inside and outside.
- Ball-bearing motor. Backward curved blades.

#### SUPPLIED

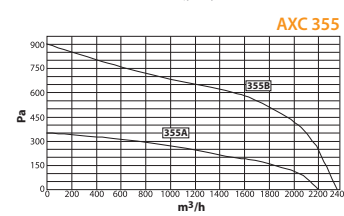
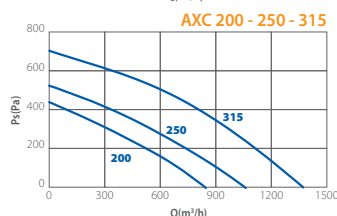
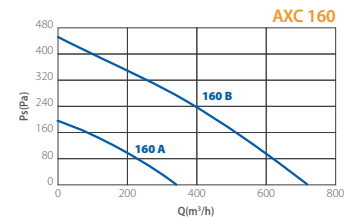
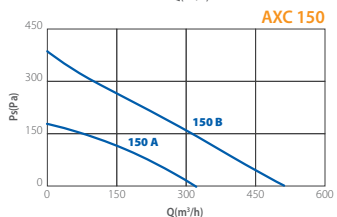
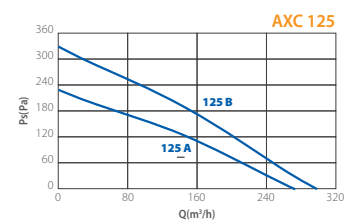
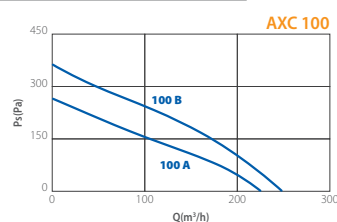
Wall fixing brackets.



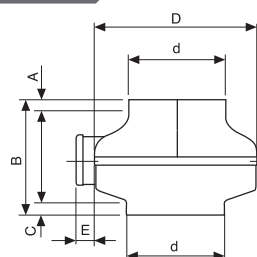
#### INSTALLATION



### CURVES

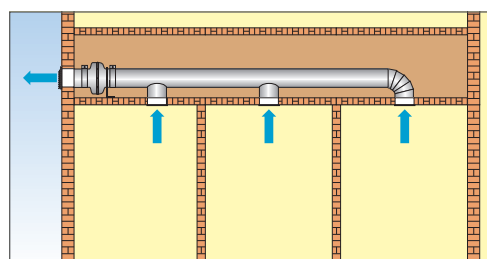
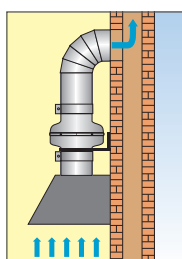
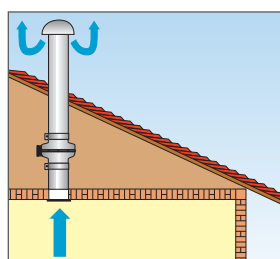
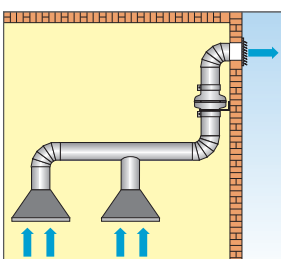


### DIMENSIONS



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



### 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

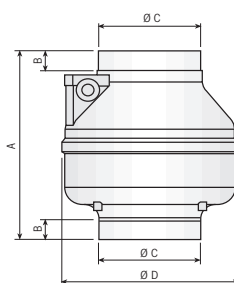
\*LpA measured at 3m in open field 230V-50Hz.



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

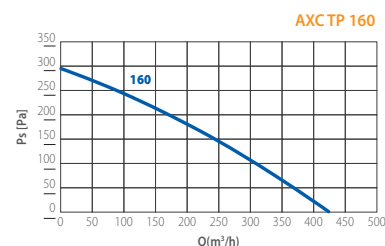
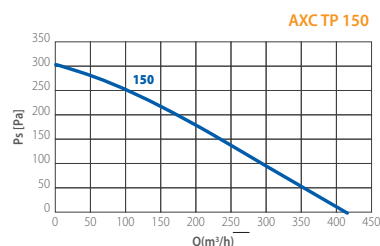
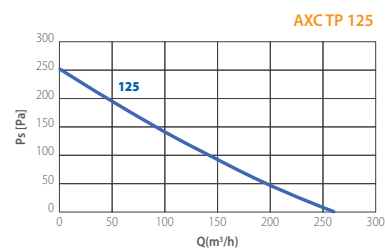
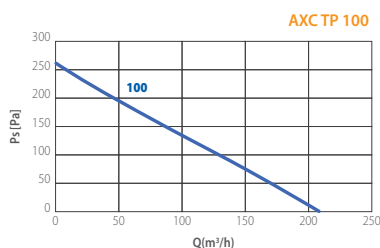
- Lightweight and silent
- Made in self-extinguishing V2 technopolymer
- Backward curved blades and ball bearing motor provided with thermal cut-out
- 4 models with Ø from 100 to 160 mm
- IMQ mark on models 150 and 160

### DIMENSIONS (mm)

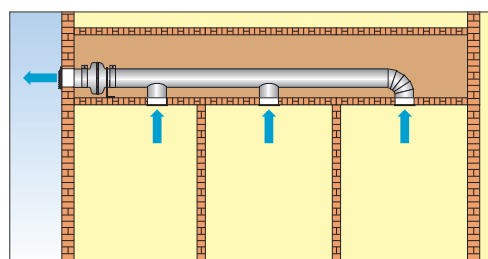
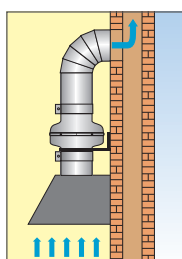
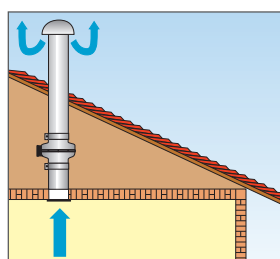
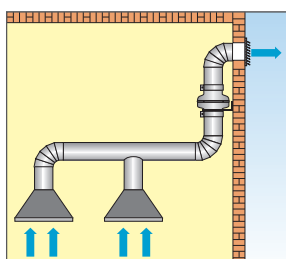


MODELS	A	B	Ø C	Ø D	Kg.
AXC 100 TP	238	25	98	212	1,5
AXC 125 TP	238	25	123	212	1,5
AXC 150 TP	232	28	147	253	2
AXC 160 TP	232	28	157	253	2

### CURVES



### INSTALLATION





# ELEGANCE

## Wall axial fans Linea Design



### PERFORMANCES

MODELS	PROTECTION	m³/h	l/s	Pa	W	dB(A)*
<b>Standard - Timer - Pull cord - MHY smart</b>						
ELEGANCE 100	IPX4	90	25	42	14	31,4
ELEGANCE 120	IPX4	165	46	55	15	36,7
ELEGANCE 150	IPX4	315	87	71	25	43,9
<b>Comfortimer - 2 speed</b>						
ELEGANCE 100	IPX4	90 / 58	25 / 16	42 / 21	14 / 6	31,4 / 27,4
ELEGANCE 120	IPX4	165 / 103	46 / 29	55 / 21	15 / 8	36,7 / 28,4
ELEGANCE 150	IPX4	315 / 182	87 / 50	71 / 16	25 / 13	43,9 / 29,5

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



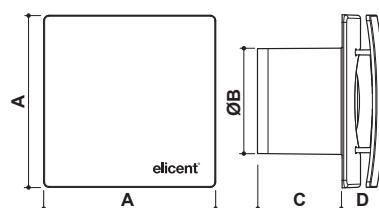
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014  
(Classification: Residential Ventilation Unit)

- 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.

### VERSIONS

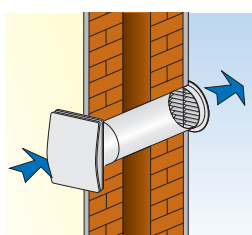
- STANDARD** - On/off through light or remote control switch
- PULL CORD** - On/off through pull cord switch
- TIMER** - Integral electronic timer adjustable from 3 to 25 minutes
- COMFORTIMER** - Overrun timer at low speed
- MHY** - Smart Humidity control automatic progressive increase/decrease of fan 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)

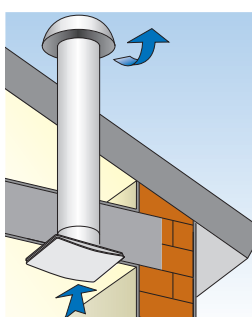


MODELS	A	ØB	C	D	Kg
ELEGANCE 100	160	98	80	38	0,9
ELEGANCE 120	180	119	91	44	1,1
ELEGANCE 150	200	149	105	56	1,3

### INSTALLATION

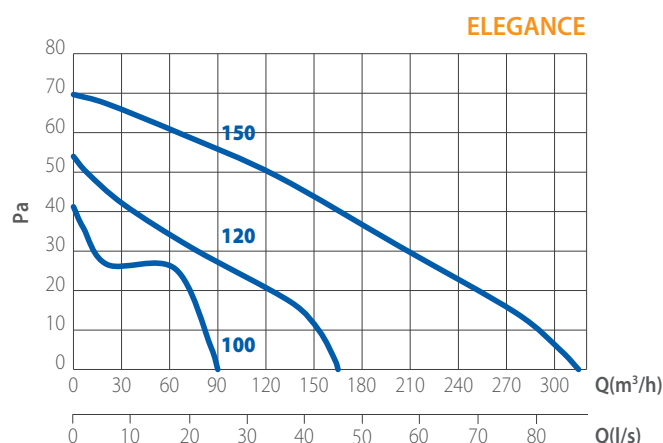


WALL



CEILING

### CURVES





# ELEGANCE

## EC 2V

Wall Axial fans  
Linea Design EC versions



### 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<sup>3</sup>/h (9 l/s) (factory set).
- Speed 2 operates at 54 m<sup>3</sup>/h (15 l/s).
- Anti-vibration gasket.
- Speed boosted to maximum 99 m<sup>3</sup>/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

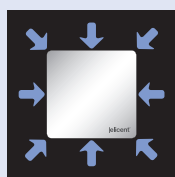
24 hours running at low speed (selectable between 2 at installation). Speed boosts to maximum via control switch. The maximum speed is provided with a timer (adjustable from 0 to 30 minutes) which activation can be delayed up to 2 minutes to avoid unnecessary night-time operation at the highest speed.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

#### EC 2V HDT

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



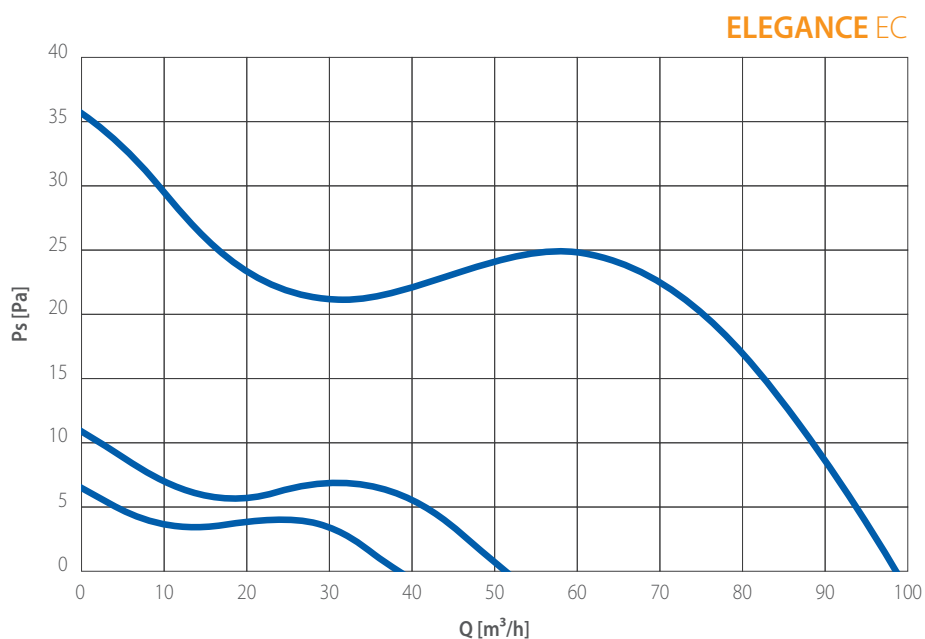
Lateral intake  
on the whole  
perimeter

## PERFORMANCE

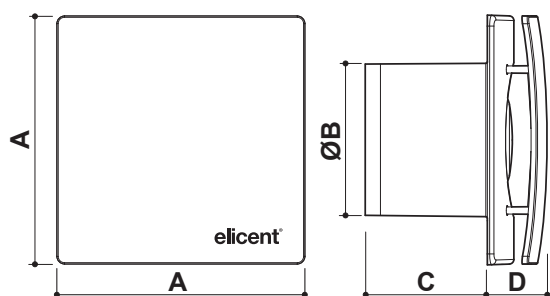
MODEL	AIRFLOW m <sup>3</sup> /h - l/s			POWER - Watt			dB(A)		
	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max
ELEGANCE 100 EC 2V	31 / 9	54 / 15	99 / 27,5	1	2	4	15	16	32

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

## CURVES



## DIMENSIONS (mm)

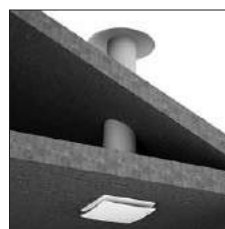


MODEL	A	ØB	C	D	Kg
ELEGANCE 100 EC 2V	160	98	80	38	0,9

## INSTALLATION



Wall  
installation

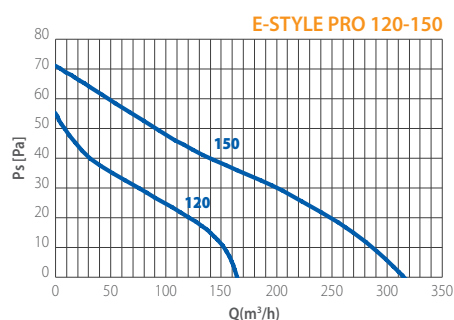
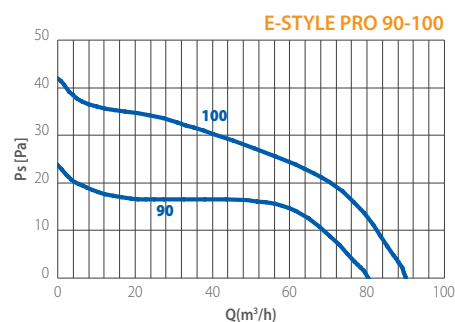


Ceiling  
installation

**e-style pro****Ultra-Slim wall axial fans****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	295	82	71	25	43,9

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

**CURVES****VERSIONS****STANDARD**

On/off through light or remote control switch.

**TIMER**

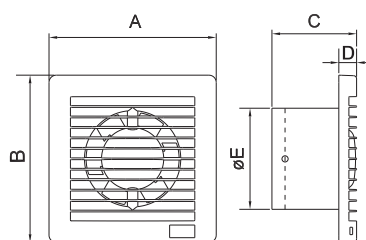
Integral electronic timer adjustable from 3 to 25 minutes.

**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



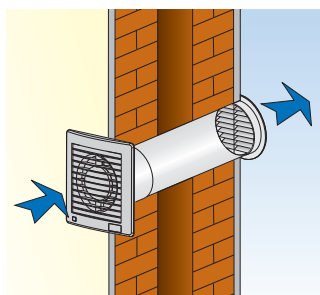
inox satin

17 mm

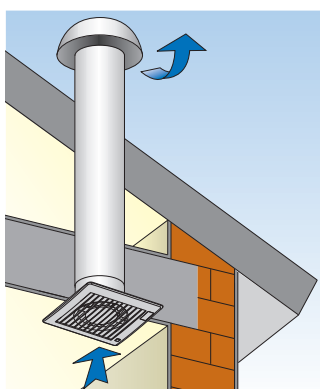
**ULTRA SLIM**

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



**e-style trend**

**Slim wall axial fans**  
**Ultra slim style**



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 draught shutter upon request.

#### VERSIONS



Standard



Timer



MHT humidity control

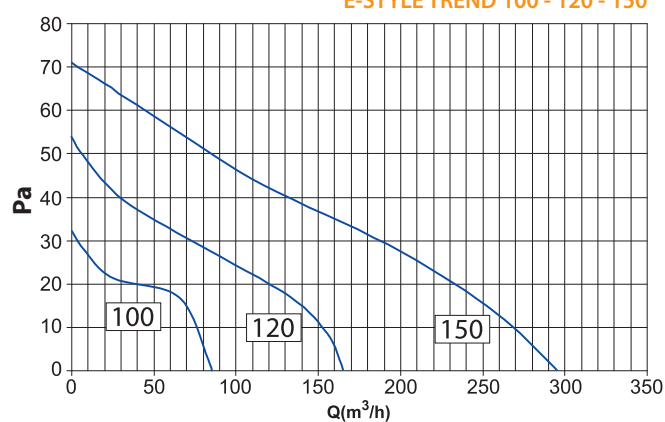
#### PERFORMANCES

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

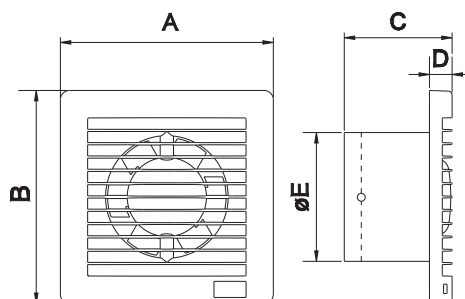
\*Lp(A) measured at 3m in open field 230V-50Hz.

#### CURVES

E-STYLE TREND 100 - 120 - 150



#### 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

ULTRA SLIM



# ECO LINE

## Wall / window axial fans



**ECO GF**  
Fixed grille

**ECO GG**  
Gravity shutter



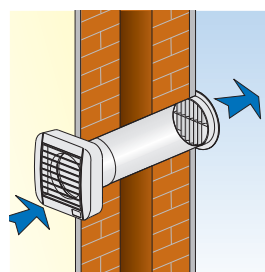
**ECO A**  
Automatic



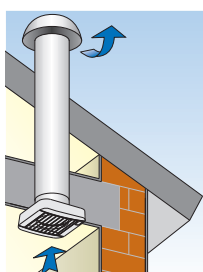
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014 (Classification: Residential Ventilation Unit)

- 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.

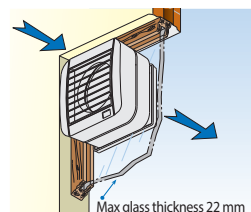
### INSTALLAZIONI



WALL



CEILING



WINDOW  
(with window kit)

Max glass thickness 22 mm



### PERFORMANCES

MODELS	m³/h	Is	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

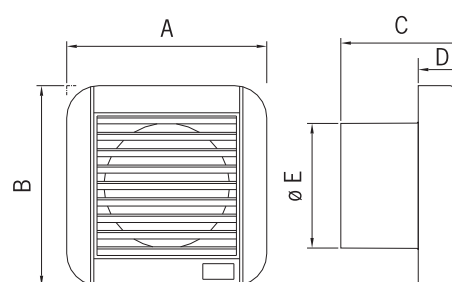
24 hours running at the lowest speed



#### SELV

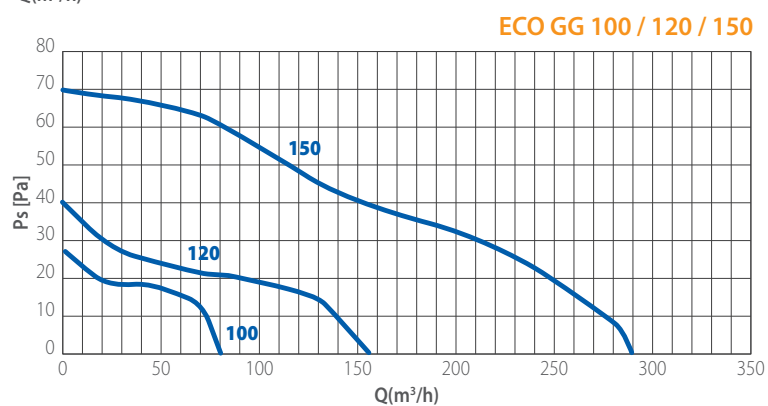
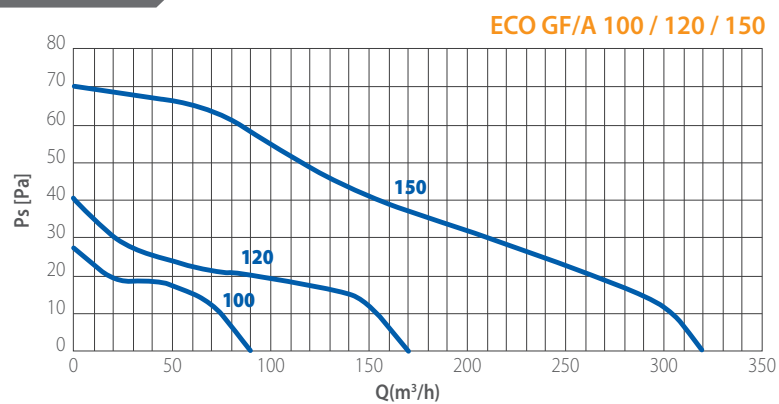
SELV 12 V a.c. (only GG and GF models)

### 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



## WINDOW KIT



**WINDOW KIT GG**  
(gravity shutter)

*Suitable for ECOLINE GF*

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

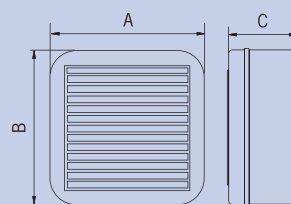


**WINDOW KIT GF**  
(grille fixed)

*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



### PERFORMANCES

MODEL	m <sup>3</sup> /h	l/s	Pa	W	dB (A)*
MINISTYLE	90	25	26	14	39
MINISTYLE TIMER	90	25	26	14	39

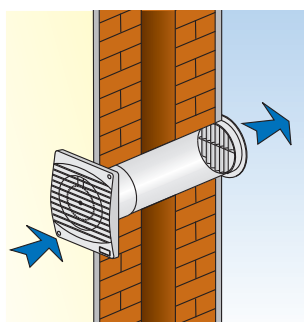
\*Lp(A) measured at 3m in open field 230V-50Hz.



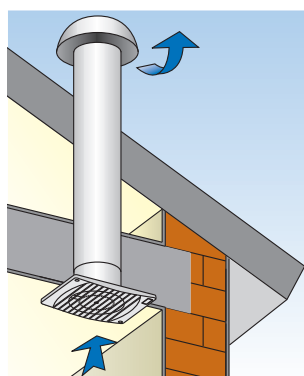
Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014 (Classification: Residential Ventilation Unit)

- 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

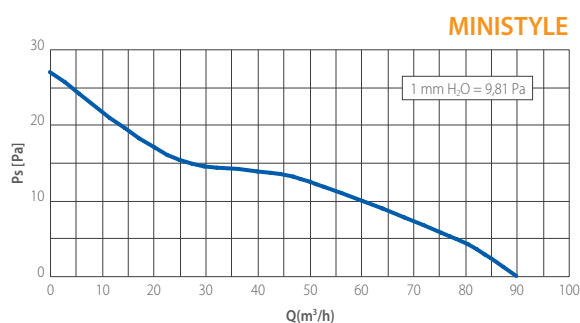


WALL



CEILING

### CURVE



### VERSIONS



#### STANDARD

On/off through light or remote control switch.



#### PULL CORD

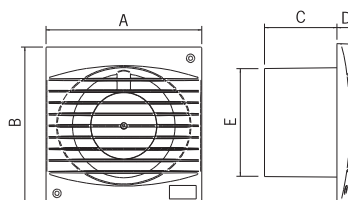
On/off through pull cord switch.



#### 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



# TUBO

## Axial in-line duct fans



### PERFORMANCES

MODELS	m³/h	l/s	Pa	W	dB (A)*
TUBO 100	90	25	25	12	38
TUBO 120	180	50	35	18	44
TUBO 150	320	89	69	40	51

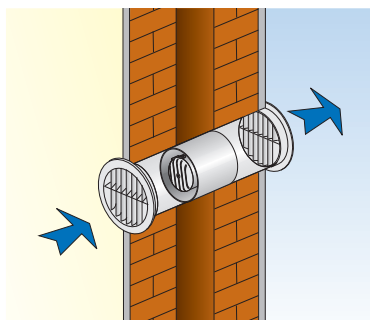
\*Lp(A) measured at 3m in open field 230V-50Hz.



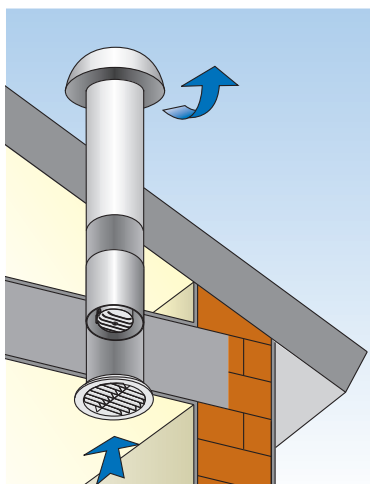
Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

- 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

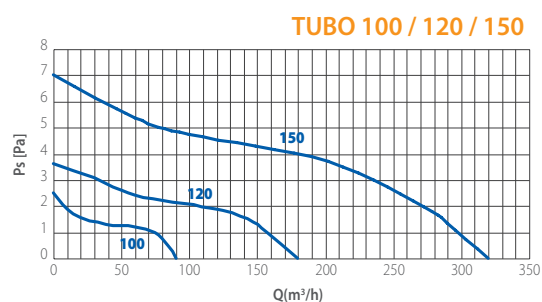


WALL



CEILING

### CURVES



### VERSIONS



#### STANDARD

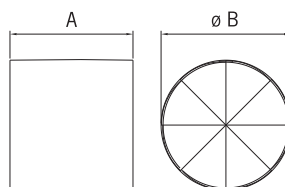
On/off through light or remote control switch.



#### 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



### PERFORMANCES

MODELS	m <sup>3</sup> /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

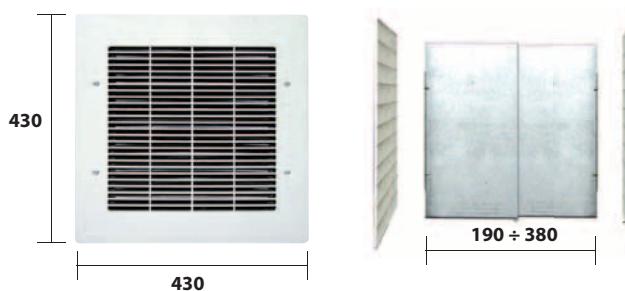
\*\* Lp(A) measured at 3m in open field 230V-50Hz.



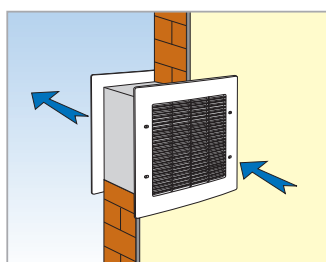
Comply with ErP Directive 2009/125/CE and EU Regulation 327/2011 (Classification: FAN)

- 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<sup>3</sup>/h)
- Silent shutter operation via thermal actuator
- Made in shockproof high quality technopolymer
- Sleeve bearing motor

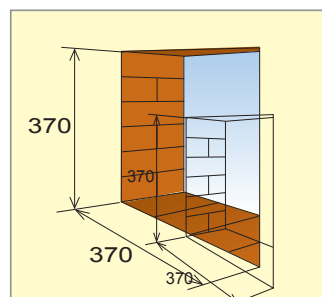
### DIMENSIONS (mm)



### INSTALLATION



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





# VITRO

## Wall / window axial fans



### PERFORMANCES

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

\* 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 9/250 LC-AR

### VERSIONS



**MANUAL** - Pull cord switch.



**AUTOMATIC**

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



**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



**POTENTIATED**

Potentiometer motor for higher airflow performance.

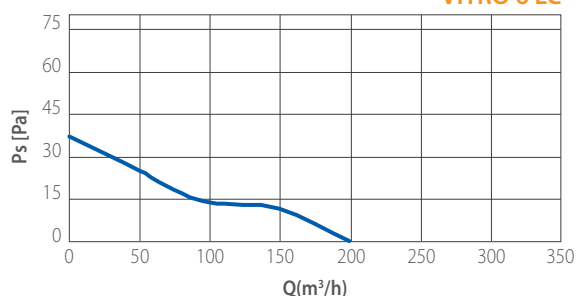


**LOW CAPACITY**

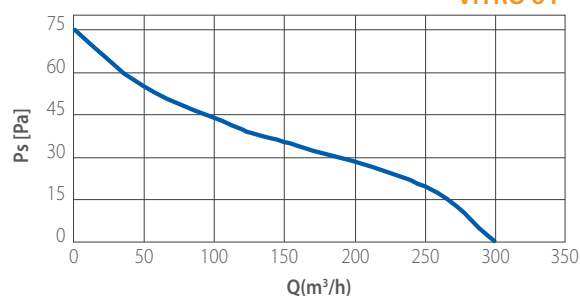
(LCM - Low capacity Manual / LC-AR Low capacity Automatic Reversible).

### CURVES

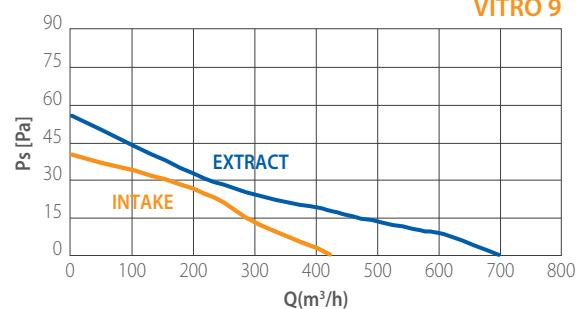
VITRO 6 LC



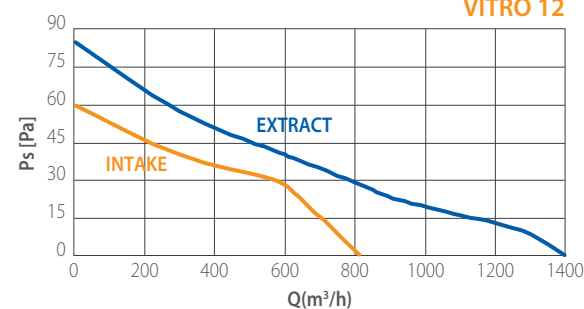
VITRO 6 P



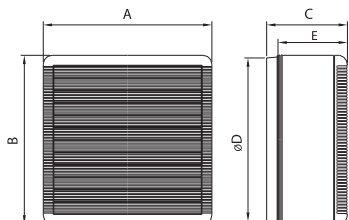
VITRO 9



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

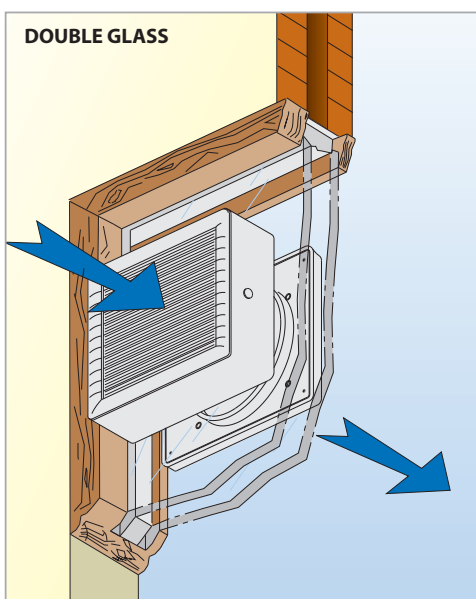
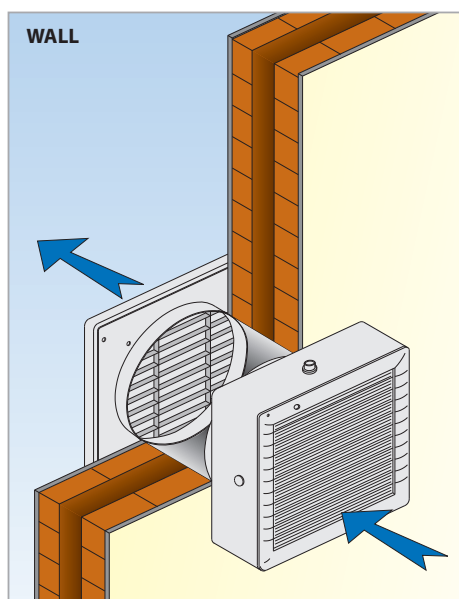
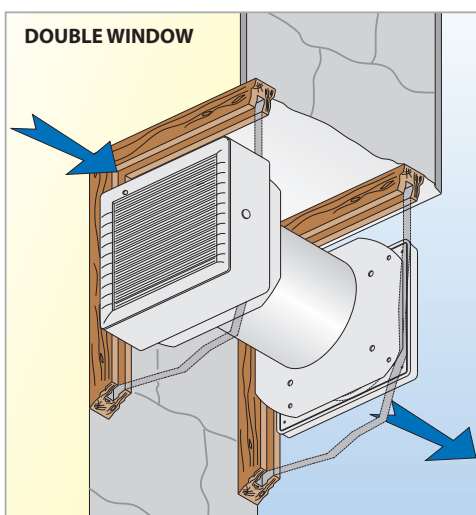
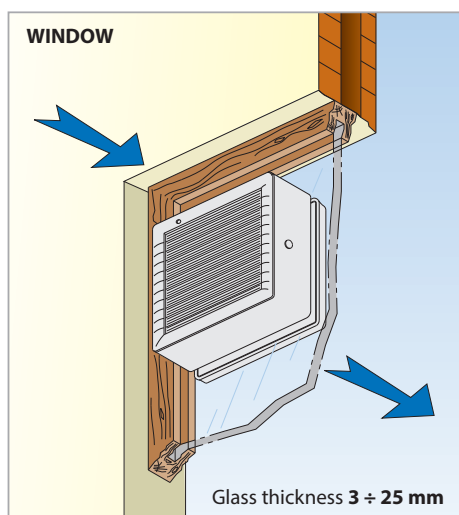


Thermoactuator  
for the electrical opening  
of the grille.



Pull cord switch version.

## INSTALLATION





# ELIX

## Centrifugal duct fans with axial flow discharge Linea Design



### 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

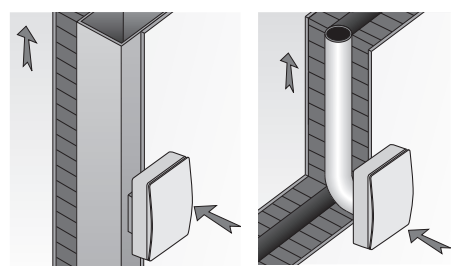
\* Lp(A) measured at 3m in open field 230V-50Hz.



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

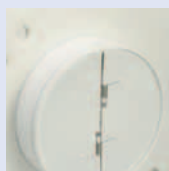


Multiple Duct

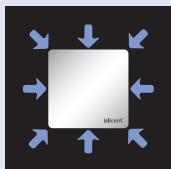
Single Duct



Antivibration gasket



Central outlet

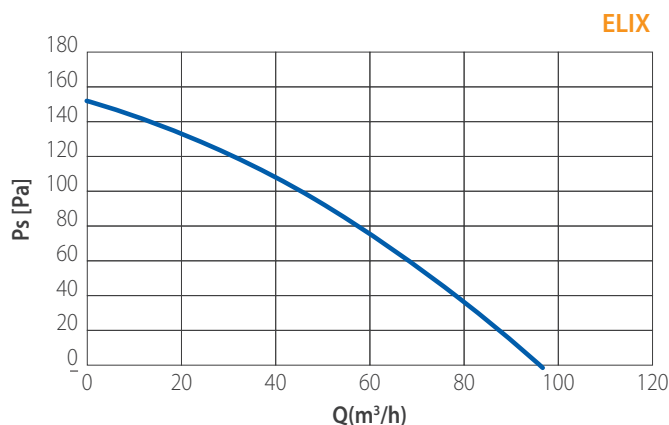


Lateral intake on the whole perimeter

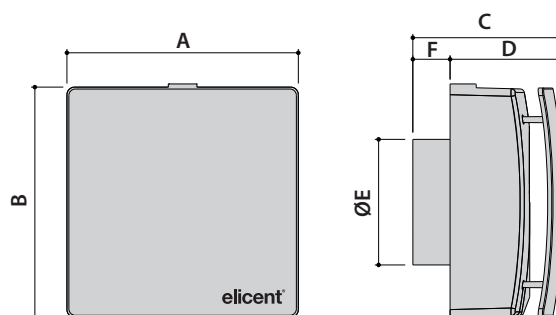


Sliding filter

### 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**



## 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 m³/h (8 l/s) (factory set).
- Speed 2 operates at 50 m³/h (14 l/s).
- Max speed boosted to maximum 100 m³/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).

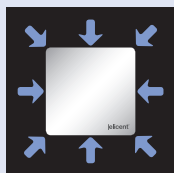
### EC 2V HDT

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.**

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



Lateral intake  
on the whole  
perimeter



Sliding filter



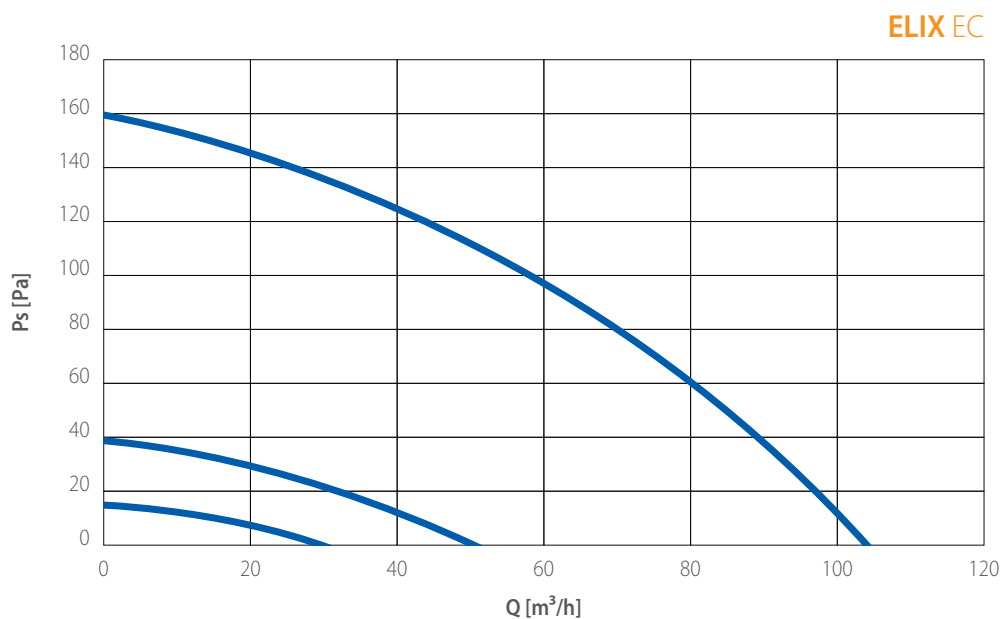
Antivibration  
gasket

## PERFORMANCE

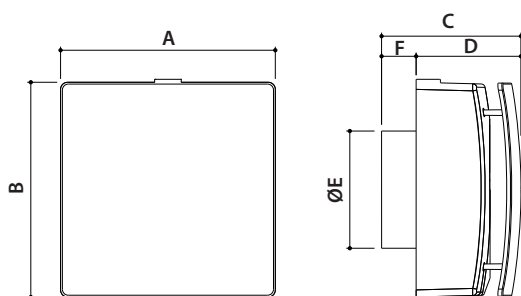
MODEL	AIRFLOW m <sup>3</sup> /h - l/s			PRESSURE - Pa			POWER - Watt			dB(A)*		
	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max	Speed 1	Speed 2	max
ELIX 100 EC 2V	29 / 8	50 / 14	105 / 29	14	38	160	2	3	15	16	18	37

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

## CURVES

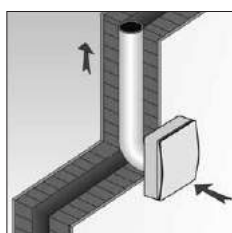


## DIMENSIONS (mm)

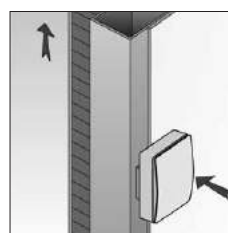


MODEL	A	B	C	D	E	F	Kg
ELIX 100 EC 2V	180	180	116	87	99	29	2,6

## INSTALLATION



Single duct



Multiple duct





# ELPREX

## Centrifugal duct fans with decentral flow discharge Linea Design



### 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

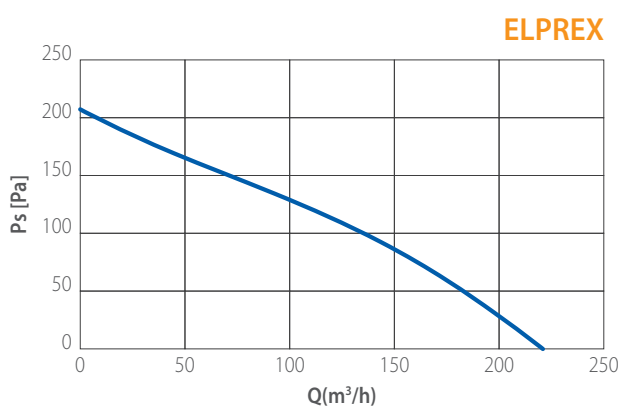
\* Lp(A) measured at 3m in open field 230V-50Hz.



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

- Powerful centrifugal duct fan  $\varnothing$  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.

### 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.



#### MHY

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

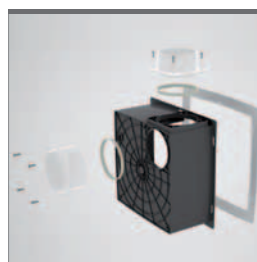


#### 2 SPEED

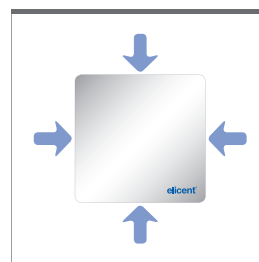
24 hours running at the lowest speed.



Decentral outlet

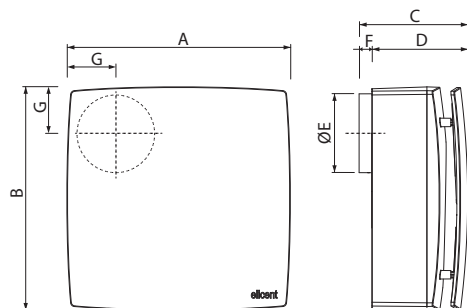


Built-in kit

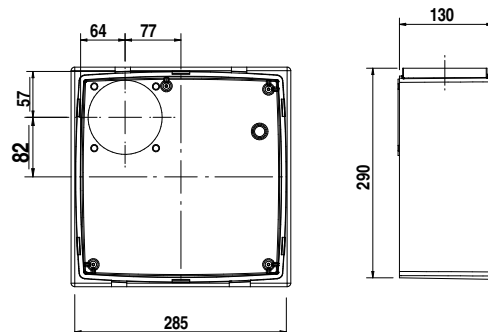


Lateral intake

## DIMENSIONS (mm)



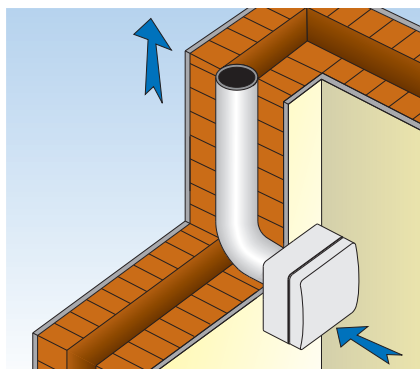
TYPE	A	B	C	D	ØE	F	G	Kg
ELPREX	280	280	135	120	99	16	58	2,8



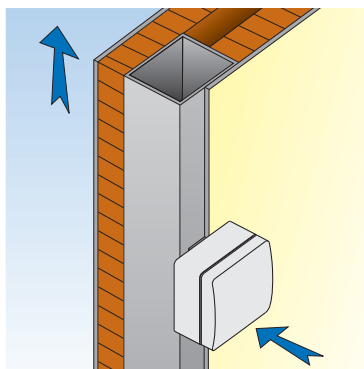
**Casing for built-in installation**  
(to be ordered separately)

## INSTALLATION

### SURFACE

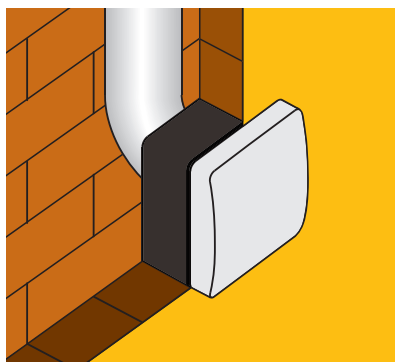
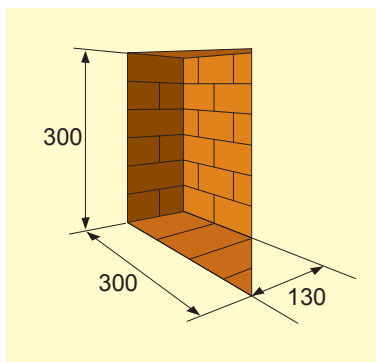


SINGLE DUCT

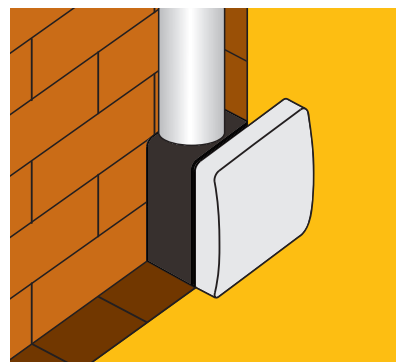


MULTIPLE DUCT

### BUILT-IN



REAR OUTLET



VERTICAL OUTLET



# FLUX

## Centrifugal duct fans with axial flow discharge



### PERFORMANCES

MODELS	DUCT Ø	m³/h	l/s	Pa	W	dB (A)*
<b>Standard - Timer - HT</b>						
FLUX 100	100	90	25	124	30	44
<b>2V - HT 2V</b>						
FLUX 100 2V	100	90 / 38	25/10	124 / 78	30 / 12	44/37
<b>Selv - Selv Timer</b>						
FLUX 100 SELV	100	90	25	124	26	44
<b>Standard - Timer - HT</b>						
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.



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

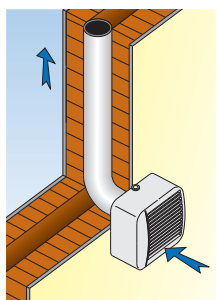


Backdraught shutter

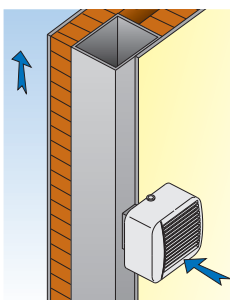


Central outlet

### INSTALLATION



SINGLE DUCT



MULTIPLE DUCT

### 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.

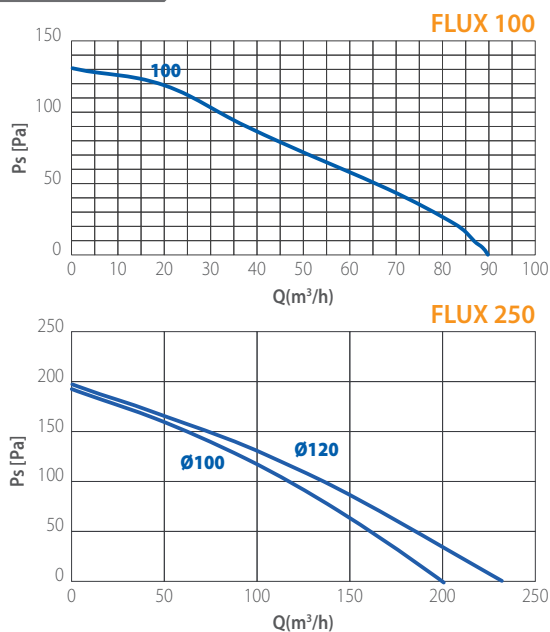


**MHT** - Humidity control, adjustable from 40 to 80% of R.H.

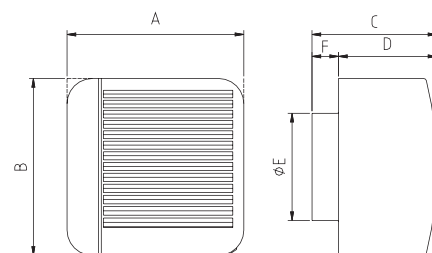


**2 SPEED** - 24 hours running at the lowest speed.

### 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



### PERFORMANCES

MODELS	DUCT Ø	m³/h	l/s	Pa	W	dB (A)*
Standard - Timer - HT						
RADIA 80	80/100	80	22	108	23	39
Standard - Timer - HT						
RADIA 130	100	130	36	177	29	44
Standard - Timer - HT						
RADIA 220	100	214	60	277	29	50

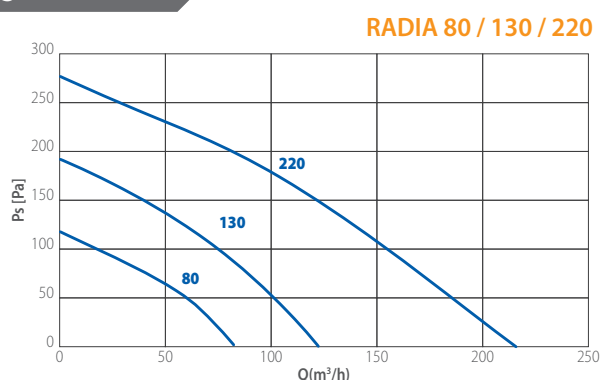
\* Lp(A) measured at 3m in open field 230V-50Hz.



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.

### CURVES



### VERSIONS



#### STANDARD

On/off through light or remote control switch.



#### PULL CORD

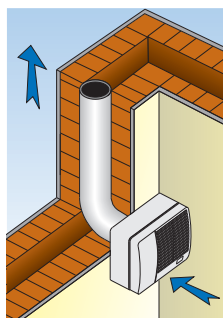
On/off through pull cord switch.



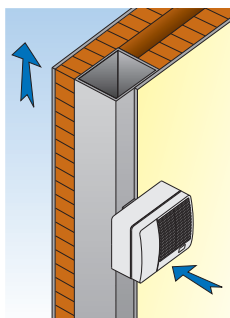
#### TIMER

Integral electronic timer adjustable from 3 to 25 minutes.

### INSTALLATION



1 - SINGLE DUCT



2 - MULTIPLE DUCT

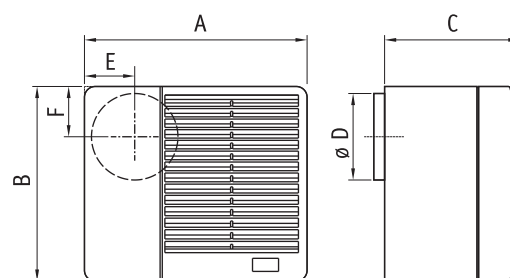


Decentral outlet



Backdraught shutter

### 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

# SENSORS AND CONTROLLERS

## R10 series



### SENSORS



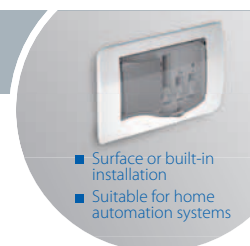
**R10 TIMER**  
Remote timer

- **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



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



**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

## 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

# SENSORS AND CONTROLLERS

## CONTROLLERS WITH TRANSFORMER



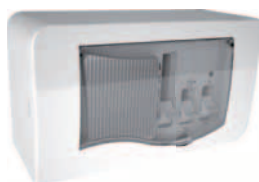
## SPEED CONTROLLERS

### RS - 4 speeds



- **Speed controller**  
fitted with transformer
- New design with cover
- **Suitable for surface or built-in installation**
- Ease of connection by the means of removable terminals
- Running led On/Off
- Supply voltage 230V – 50/60 Hz
- Provided with protection fuse
- **Max. load 0,37 A**
- Protection IPX2
- Weight 0,54 Kg
- Dimensions 138 x 80 x 56

### RS/R - 4 speeds



- **Reversible speed controller**  
fitted with transformer
- **Suitable for reversible fans Vitro and Built-in**
- New design with cover
- Suitable for surface or built-in installation
- Ease of connection by the means of removable terminals
- Running led On/Off
- Supply voltage 230V – 50/60 Hz
- Provided with protection fuse
- **Max. load 0,37 A**
- Protection IPX2
- Weight 0,54 Kg
- Dimensions 138 x 80 x 56



### RVS/R - 5 speeds

- **Reversible speed controller**  
(fitted with transformer)
- 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**  
(fitted with transformer)
- 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 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 for EC versions of Microbox and Multibox.



### 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**  
(fitted with transformer)
- 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



### RVS1 - 6 speeds

- **Speed controller**  
(fitted with transformer)
- ON/OFF switch
- IP55 protection
- **Max. load: 1,5 A**
- One-phase supply voltage: 230V-50 Hz
- Sizes: 166 x 142 x 66 mm
- Weight: 2,4 kg



### RVS/RL - 5 speeds

- **Speed controller to be used with POLAR ceiling fans**  
(fitted with transformer)
- ON/OFF switch
- Light and reversibility
- **Max. load: 0,5 A**
- IP42 protection
- Sizes: 118 x 118 x 58 mm
- Weight: 0,7 kg



### RLS 2V - 2 speeds

- **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



### 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 - 220, REC 280-320  
and AC versions of Microbox and Multibox.

# Choose the right controller

FANS	TRANSFORMER							ELECTRONIC	BUILT-IN ELECTRONIC	
	RS	RVS	RVS1	REVERSIBLE				RV1	R10	R15
				RS/R 4 V	RVS/R 3V - 5V	RVS/R PLUS	RLS			
AXC 100 A/B - 125 A/B - 150 A - 160 A	●	●							●	
AXC 150 B - 160 B			●						●	●
AXC 200		●							●	●
AXC 200 - 250 - 315			●						●	●
AXC 315 B			●							
AXC 355 A			●							●
AXC 355 B								●		
AXC TP 100-125-150-160	●	●							●	
BUILT-IN 9			●	●	●	MAX 5				
BUILT-IN 12			●		●	MAX 3				
ECO LINE	●	●							●	
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	●	●							●	
REC SMART							● 2V			
REC IN LINEA / AC							● 3V			
REC 280 / 320 AC							● 3V			
TUBO	●	●							●	
VITRO 6/150 A	●	●							●	
VITRO 9/230 Automatic / Reversible			●	●	●	MAX 5				
VITRO 12/300 Automatic / Reversible			●	●	●	MAX 3				