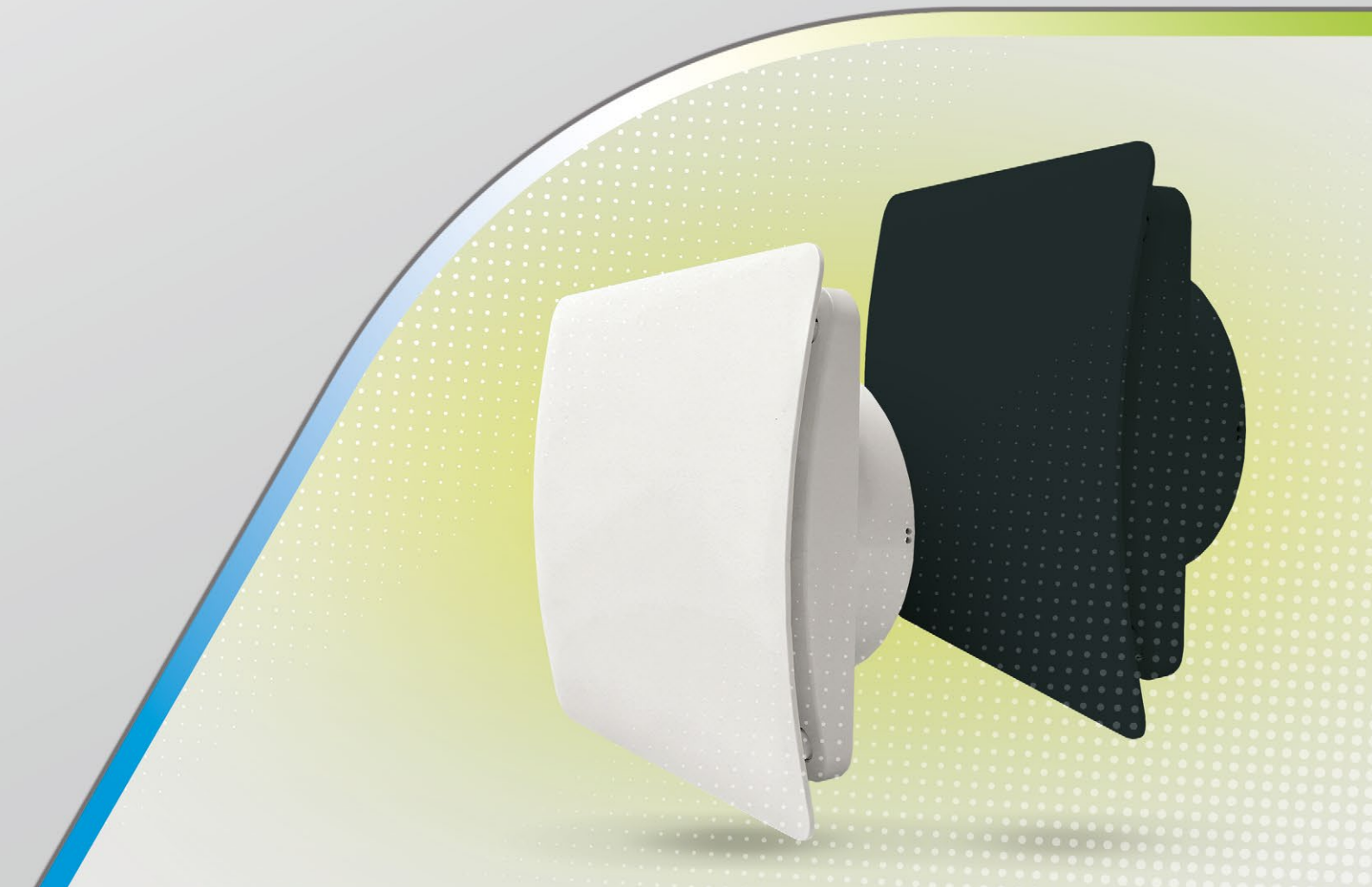
Residential extract EC motor fans

2026



EC
motor

EC motor

for a residential fan

An EC motor (electronically commutated motor) is a modern solution that combines energy efficiency with high performance. With its built-in controls, it uses less electricity, runs more quietly, and has a longer service life compared to standard motors. Such a motor ensures stable fan operation, making it reliable and economical for everyday use.

ASSORTMENT

Fan
Evo EC

Compact extract fan
with a decorative panel
and an EC motor

Fan
Solid One EC

Silent extract fan
with a decorative panel
and an EC motor

Fan
Casto One EC

Silent extract fan
with an EC motor

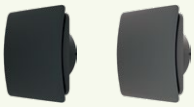
Fan
M EC

Classic extract fan
with an EC motor

Fan

Evo EC

Compact extract fan with a decorative panel and an EC motor



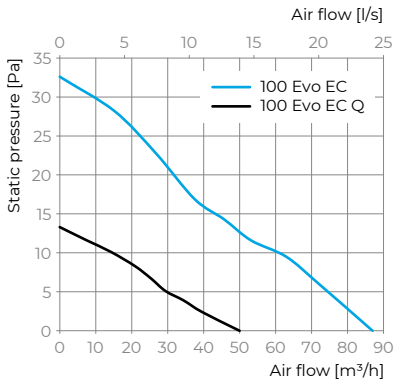
Black Anthracite

	100 mm			
	100 mm	34 dBA	2.7 W	87 m³/h
Evo EC Q	100 mm	22 dBA	2 W	50 m³/h

FEATURES

- Minimal power consumption.
- The flange is only 38 mm long.
- Backdraft damper with ABS flaps.

AERODYNAMIC DATA



TECHNICAL DATA

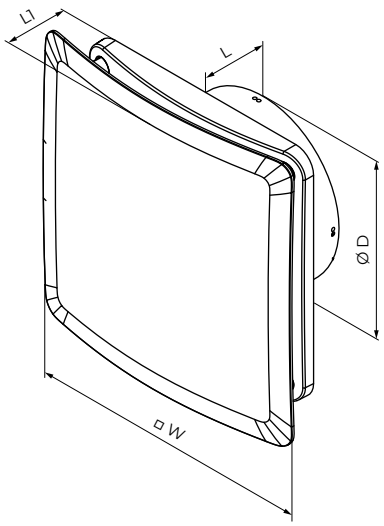
Model	100 Evo EC	100 Evo EC Q
Power [W]	2.7	2
Maximum air flow [m³/h]	87	50
Sound pressure level at 3 m [dBA]	34	22
Frequency [Hz]	50/60	50/60
Voltage [V]	100–240	100–240
Current [A]	0.03	0.02
RPM [min⁻¹]	3000	1800
SFP [W/l/s]	0.11	0.14
IP rating	IP24	IP24

OPTIONS

Option	Q
Silent motor	•

DIMENSIONS [mm]

Model	Ø D	L	L1	W
100 Evo EC	100	37	32	180



APPLICATION

- Continuous or intermittent extract ventilation for bathrooms, shower rooms, kitchens, and other domestic spaces.
- Ventilation for spaces with strict noise level requirements.
- Designed to be installed in ventilation shafts or connected to 100 mm diameter air ducts.
- A short spigot allows the fan to be installed in thin walls for connection to a ventilation shaft or air duct.
- Designed for continuous operation and requires no maintenance.

DESIGN

- The casing and impeller are made of high-quality, durable, UV-resistant plastic.
- The fan is equipped with a rigid backdraft damper of a special design to prevent backflow of air and possible heat loss when the fan is powered off..
- The fan with a ball bearing motor can be used for ceiling mounting.
- Equipped with overheating protection.

ACCESSORIES

Hood MV	Wall mounting kit	Outdoor grille MV	Window ventilator PO 400	Flexible air duct Polyvent N	Clamp X
Resistant to precipitation and wind	Fan Evo EC and telescopic air duct	UV-resistant	To be installed in a window frame	For connection to a ventilation system	For connection to flexible air ducts

Fan

Solid One EC

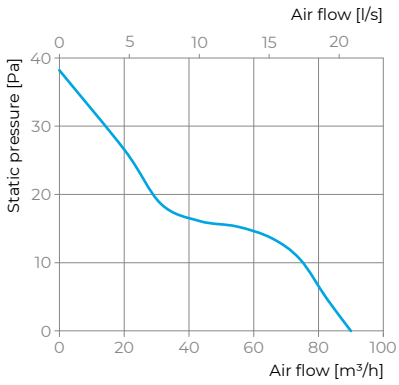
Silent extract fan with a decorative panel and an EC motor

100 mm | 25 dBA | 3 W | 90 m³/h

FEATURES

- Minimal power consumption.
- Low noise level due to the mixed-type impeller.
- Can be installed in Zone 1.

AERODYNAMIC DATA

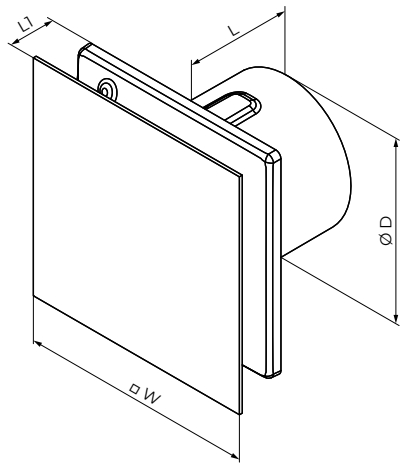


TECHNICAL DATA

Model	100 Solid One EC
Power [W]	3
Maximum air flow [m³/h]	90
Sound pressure level at 3 m [dBA]	25
Frequency [Hz]	50/60
Voltage [V]	220–240
Current [A]	0.03
RPM [min⁻¹]	2100
SFP [W/l/s]	0.12
IP rating	IP44 (Zone 1)

DIMENSIONS [mm]

Model	Ø D	L	L1	W
100 Solid One EC	99	79	38	160



OPTIONS

Option	V	T	T1	TH
Pull cord switch	•			
Humidity sensor				•
Turn-on delay timer			•	
Turn-off delay timer		•		

Turn-on delay timer

- The turn-on delay time can be set from 0 seconds to 2 minutes.

Turn-off delay timer

- The turn-off delay time can be set from 2 to 30 minutes.

Humidity sensor

- Adjustable humidity sensor trigger threshold from 60 to 90 %.

APPLICATION

- Continuous or intermittent extract ventilation for bathrooms, shower rooms, kitchens, and other domestic spaces.
- Ventilation for spaces with strict noise level requirements.
- Designed to be installed in ventilation shafts or connected to 100 mm diameter air ducts.
- Solid One EC can be installed in Zone 1 – directly above a bathtub or shower stall.
- Designed for continuous operation and requires no maintenance.

DESIGN

- The casing and impeller are made of high-quality, durable, UV-resistant plastic.
- The special aerodynamic shape of the mixed-flow fan ensures high performance with low noise levels.
- The fan with a ball bearing motor can be used for ceiling mounting.
- Equipped with overheating protection.
- Backdraft damper is available to prevent drafts and heat loss.

ACCESSORIES

Backdraft damper KO1	Wall mounting kit	Outdoor grille MV	Window ventilator PO 400	Flexible air duct Polyvent N	Clamp X
The casing and plates are made of highly durable ABS plastic	Fan Solid One EC and telescopic air duct	UV-resistant	To be installed in a window frame	For connection to a ventilation system	For connection to flexible air ducts

Fan

Casto One EC

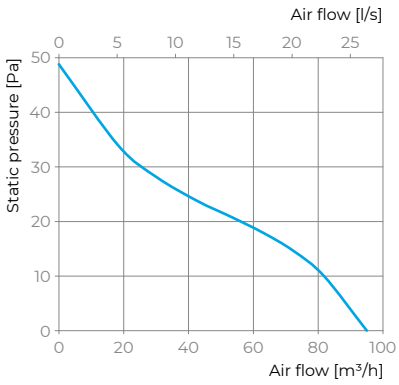
Silent extract fan with an EC motor

100 mm | 26 dBA | 3 W | 95 m³/h

FEATURES

- Minimal power consumption.
- Low noise level due to the mixed-type impeller.
- Can be installed in Zone 1.

AERODYNAMIC DATA

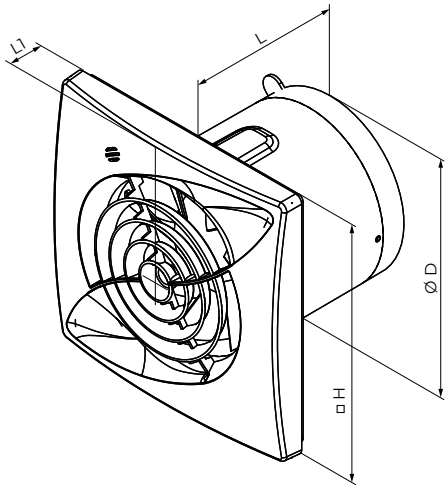


TECHNICAL DATA

Model	100 Casto One EC
Power [W]	3
Maximum air flow [m³/h]	95
Sound pressure level at 3 m [dBA]	26
Frequency [Hz]	50/60
Voltage [V]	220–240
Current [A]	0.03
RPM [min⁻¹]	2100
SFP [W/l/s]	0.11
IP rating	IP44 (Zone 1)

DIMENSIONS [mm]

Model	Ø D	H	L	L1
100 Casto One EC	99	160	79	19



OPTIONS

Option	V	T	T1	TH
Pull cord switch	•			
Humidity sensor				•
Turn-on delay timer			•	
Turn-off delay timer		•		

Turn-on delay timer

- The turn-on delay time can be set from 0 seconds to 2 minutes.

Turn-off delay timer

- The turn-off delay time can be set from 2 to 30 minutes.

Humidity sensor

- Adjustable humidity sensor trigger threshold from 60 to 90 %.

APPLICATION

- Continuous or intermittent extract ventilation for bathrooms, shower rooms, kitchens, and other domestic spaces.
- Ventilation for spaces with strict noise level requirements.
- Designed to be installed in ventilation shafts or connected to 100 mm diameter air ducts.
- Casto One EC can be installed in Zone 1 – directly above a bathtub or shower stall.
- Designed for continuous operation and requires no maintenance.

DESIGN

- The casing and impeller are made of high-quality, durable, UV-resistant plastic.
- The special aerodynamic shape of the mixed-flow fan ensures high performance with low noise levels.
- The fan with a ball bearing motor can be used for ceiling mounting.
- Equipped with overheating protection.
- Backdraft damper is available to prevent drafts and heat loss.

ACCESSORIES

Backdraft damper KO1	Wall mounting kit	Outdoor grille MV	Window ventilator PO 400	Flexible air duct Polyvent N	Clamp X
The casing and plates are made of highly durable ABS plastic	Fan Casto One EC and telescopic air duct	UV-resistant	To be installed in a window frame	For connection to a ventilation system	For connection to flexible air ducts

Fan

M EC

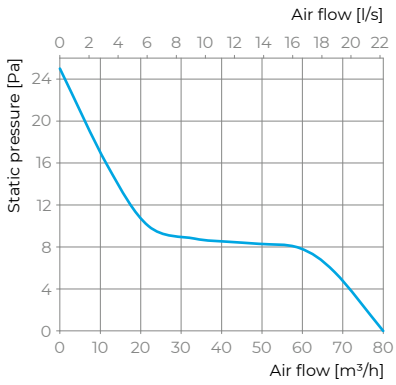
Classic extract fan with EC motor

100 mm | 25 dBA | 2.5 W | 80 m³/h

FEATURES

- Minimal power consumption.
- High air flow.
- Proven high reliability.

AERODYNAMIC DATA

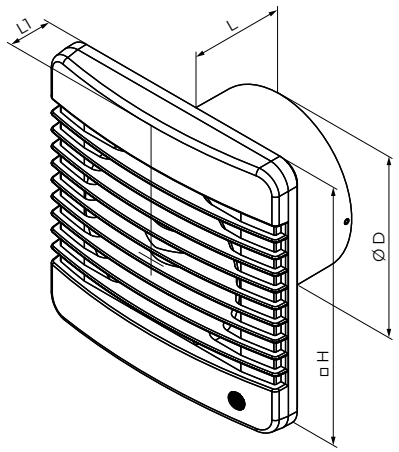


TECHNICAL DATA

Model	100 M EC
Power [W]	2.5
Maximum air flow [m³/h]	80
Sound pressure level at 3 m [dBA]	25
Frequency [Hz]	50/60
Voltage [V]	220–240
Current [A]	0.03
RPM [min⁻¹]	2100
SFP [W/l/s]	0.11
IP rating	34

DIMENSIONS [mm]

Model	Ø D	H	L	L1
100 M EC	100	159	88	23



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DESIGN

- The casing and impeller are made of high-quality, durable, UV-resistant plastic.
- The fan with a ball bearing motor can be used for ceiling mounting.
- Equipped with overheating protection.

ACCESSORIES

Backdraft damper KO1	Wall mounting kit	Outdoor grille MV	Window ventilator PO 400	Flexible air duct Polyvent N	Clamp X
The casing and plates are made of highly durable ABS plastic	Fan M EC and telescopic air duct	UV-resistant	To be installed in a window frame	For connection to a ventilation system	For connection to flexible air ducts

Residential extract EC motor fans

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