

# SILEO DC

SILENT &amp; ENERGY SAVING

High performance low noise extract fans with energy efficient DC motors



**Air flow:**  
up to 101 m<sup>3</sup>/h  
28 l/s



**Power:**  
from 1.5 W

**SFP:**  
from 0.08 W/l/s



**Noise level:**  
from 22 dBA



## Features



- The casing and the impeller are made of high-quality and durable UV-resistant plastic.
- The specially designed aerodynamic profile of the mixed-flow impeller provides high air flow and pressure combined with low noise operation.
- A shortened spigot for mounting into a ventilation shaft or direct connection to Ø 100 mm air duct.
- The fan is equipped with a specially designed backdraft damper to prevent back flow and heat losses during the fan standby.
- The fan exhaust spigot incorporates specially designed air rectifiers to reduce air turbulence, noise level and boost air pressure.
- High ingress protection rating makes the fan the ideal solution for ventilation of a bathroom.
- The electronic components are protected with tight covers.

## Options



Model	Sileo DC 100		
	T	H	IR
Turn-off delay timer	•	•	•
Humidity sensor		•	
Motion sensor			•

- **Turn-off delay timer**
  - Turn-off delay adjustable from 2 up to 30 min.
- **Humidity sensor**
  - Humidity setpoint adjustable from 60 % up to 90 %.
- **Motion sensor**
  - Detection range from 1 up to 4 m.
  - Detection angle up to 100°.

## Operating mode

Operation mode selection and setup for Sileo DC 100 models with modifications T, H, IR is performed by setting the DIP switch to a respective position.

### MODE 1 (SINGLE-SPEED MODE)

- The fan is turned off by default. The fan starts operating at the low speed when the switch is closed or one of the sensors is activated.

### MODE 2 (SINGLE-SPEED MODE)

- The fan is turned off by default. The fan starts operating at the high speed when the switch is closed or one of the sensors is activated.

### MODE 3 (TWO-SPEED MODE)

- The fan operates at the low speed by default. The fan switches to the high speed when the switch is closed or the sensors are activated.

### MODE 4 (TWO-SPEED MODE)

- The fan is turned off by default. The fan starts operating at the low speed when the switch is closed and switches to the high speed when the humidity or motion sensor is activated.

## Motor

- Low energy demand up to 3.5 W due to a new high-efficient DC motor.
- Maintenance-free bearings contain enough grease for 40 000 hrs non-stop operation.
- Motor equipped with electric overheating protection.

## Accessories

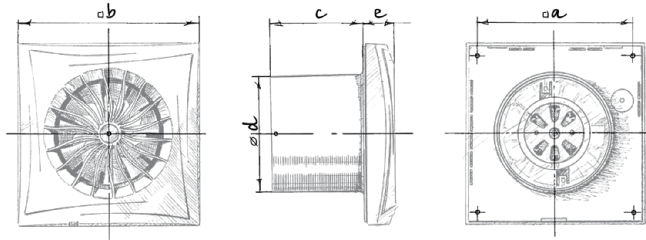
Duct system	Flexible air ducts	Grilles and hoods	Clamps
BlauPlast	BlauFlex	Decor, GM	K, KZ

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## Overall and mounting dimensions

- o Direct installation into a ventilation shaft.
- o Flexible air ducts may be used in case of remote location of the ventilation shaft. The air duct is connected to the exhaust spigot with a fixing clamp.
- o Wall mounting with screws.
- o Suitable for ceiling mounting.

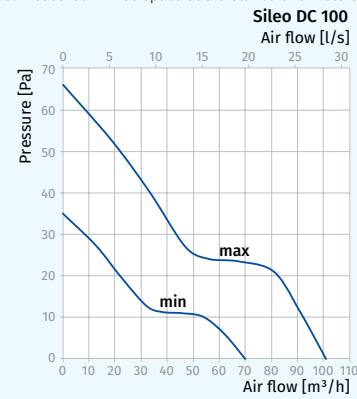


Dimensions [mm]	a	b	c	Ø d	e
Sileo DC 100	136	158	81	100	26

## Technical data

Model	Sileo DC 100	
	min	max
Speed		
Voltage [V/Hz]	220-240/50(60)	
Power [W]	1.5	3.5
Current [A]	0.063	0.137
RPM [min <sup>-1</sup> ]	1850	2650
Air flow [m <sup>3</sup> /h (l/s)]	70 (19)	101 (28)
SFP [W/l/s]	0.08	0.12
Sound pressure level [dBA]*	22	27

\* Sound pressure level measured in free space at a distance of 3 meters from the fan.



## Designation key

Sileo	DC	100	T
Model	Direct current motor	Spigot diameter	Option