

# SILEO DESIGN DC

SILENT &amp; ENERGY SAVING

High performance low noise exhaust fans with energy efficient DC motors



**Air flow:**  
up to 93 m<sup>3</sup>/h  
26 l/s



**Power:**  
from 1.5 W

**SFP:**  
from 0.09 W/l/s



**Noise level:**  
from 21 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 a 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.
- Turn-off delay timer. Adjustable delay from 2 up to 30 min.

## Options



Model	Sileo Design DC 100	
	T (Basic Model)	H
Turn-off delay timer	•	•
Humidity sensor		•

- **Humidity sensor**
  - Humidity setpoint adjustable from 60 % up to 90 %.

## Operation mode

Operation mode selection and setup for Sileo DC 100 models with modifications T, H 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 the sensor 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 the sensor 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 sensor 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 sensor is activated.

## Motor

- Low energy demand up to 2.7 W due to a new high-efficient DC motor.
- Maintenance-free bearings contain enough grease for 40 000 hrs of non-stop operation.
- The motor is equipped with electric overheating protection.

## Accessories

### Duct system



BlauPlast

### Flexible air ducts



BlauFlex

### Grilles and hoods



Decor, GM

### Clamps



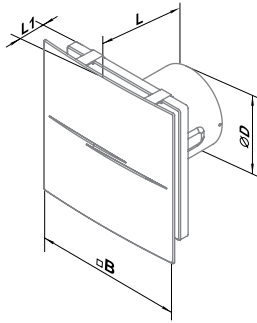
K, KZ

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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.

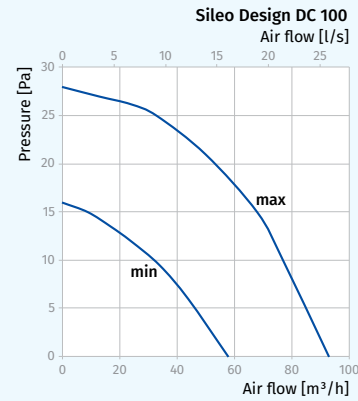


Dimensions [mm]	Ø D	B	L	L1
Sileo DC 100	99	200	130	49

## Technical data

Model	Sileo Design DC 100	
	min	max
Speed		
Voltage [V/Hz]	220-240/50(60)	
Power [W]	1.5	2.7
Current [A]	0.026	0.04
RPM [min <sup>-1</sup> ]	1850	2650
Air flow [m <sup>3</sup> /h (l/s)]	58 (16)	93 (26)
SFP [W/l/s]	0.09	0.1
Sound pressure level [dBA]*	21	26

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



### Designation key

Sileo Design	DC	100	H
Model	Direct current motor	Spigot diameter	Option