



## BF Silent Domestic Fans

**Simple and compact extract fan for small domestic spaces**

- Robust. IPX4 protection degree
- Low power consumption
- Low noise
- Integral back-draught shutter

[Find more details in our online catalogue](#)

### Flexible

The **unobtrusive** design of the BF Silent, range of installation options and **simple control** allows it to be used in **bathrooms, toilets** and **small/medium premises**.

### Durable

Each unit is built from **robust, durable** components and suitable for **continuous** and **intermittent** running even in **cold climates**. Fans are **fully recyclable** once it has reached the end of its operational lifespan.

## Features

### Construction

Casing made of **high quality ABS** provides long lasting shock-proof and robust construction with **IPX4** protection degree. The unit is finished in white **RAL 9010** and is **UV resistant**. Fan has **integral back-draught shutter** to prevent air flowing back into the room when the fan is off. **Aesthetic flat front cover** provides a modern interior design.

### Impeller

Special design **winglet-type axial impeller**, providing enhanced aerodynamic properties, **low noise** and **high efficiency**.

### Motor

Single-phase induction **AC motors**, mounted on sealed for life, high quality sleeve bearings. Suitable for continuous and intermittent operation. All motors are suitable for **50Hz** and **60Hz**.

### Motor protection

BF silent fan motors have **integrated thermal protection**.

### Control

All BF Silent fans can be manually operated via a separate **ON/OFF switch** or the **light switch**.

Version with **Timer (T)**. After switching off, the fan is running for the pre-set period of time.

Version with **Humidistat & Timer (HT)**.

When humidity level is higher/lower than the threshold, the fan is automatically activated. After switching off, the fan is running for the pre-set period of time.

### Installation

Fan can be installed on **wall/panel** or **ceiling**. Fan suitable to extract stale air **directly** to the outside or **through short length ducting**.

Fan is double insulated: no earth connection is required when connecting to the power source.

## Technical parameters

### Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	8	W
Input current	0.067	A
Impeller speed	2,350	rpm
Air flow	max 83	m³/h
Temperature of transported air	max 50	°C

### Sound data

Sound pressure level at 3m (free field)	26	dB(A)
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### Protection/Classification

Enclosure class, motor	IPX4
Insulation class	B

### Data according to ErP

Energy class, Basic unit	C
Energy class, Local demand	E
ErP ready	ErP 2018

### Dimensions and weights

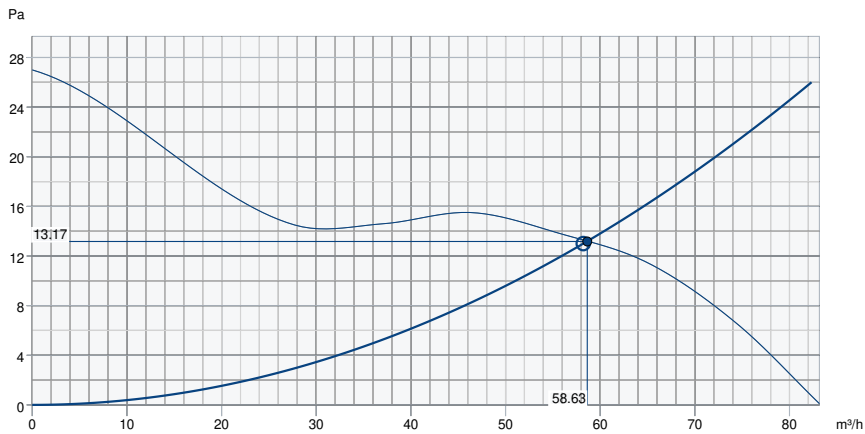
Duct dimension; Circular, inlet	100	mm
Weight	0.72	kg

### Others

Motor type	AC
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## Performance

### Performance curve



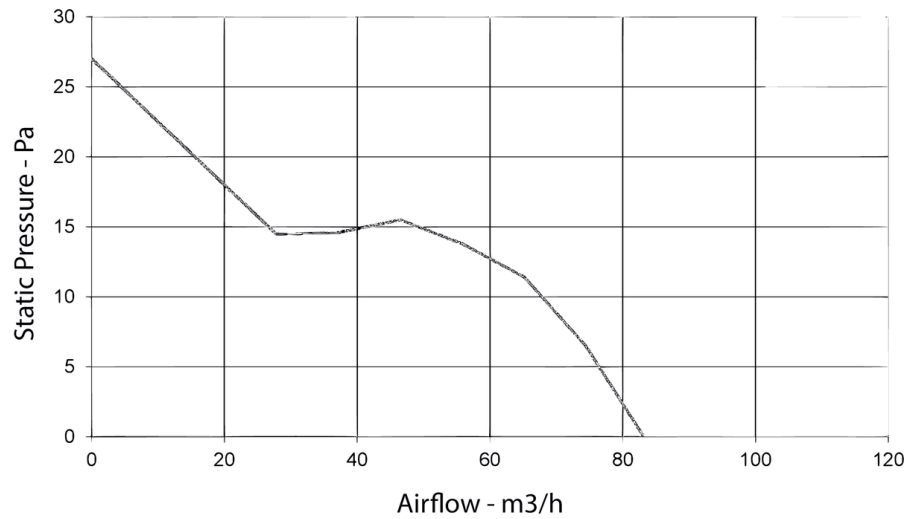
#### Hydraulic data

Required air flow	58 m³/h
Required static pressure	13 Pa
Working air flow	59 m³/h
Working static pressure	13 Pa
Air density	1.204 kg/m³
Power	8.5 W
Fan control - RPM	2,388 rpm
Current	0.10 A
SFP	0.523 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

#### Accessories

## Performances

BF Silent 100



## Ecodesign

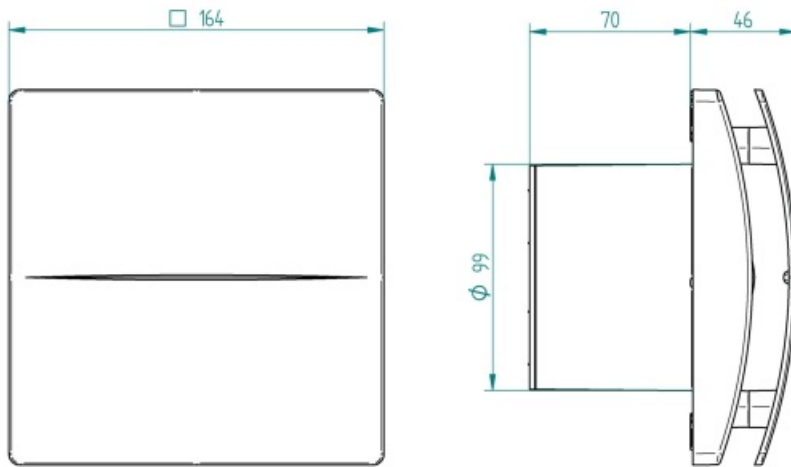
Ecodesign		
ErP compliance	2018	
Unit category	RVU	
Drive	External MSD or VSD	
Unit type	UVU	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv nom	0.0161	m³/s
P nom	0.009	kW
Ps nom	13	Pa
Fan efficiency	2.5	%

Basic unit		
ErP compliance	2018	
SEC Average	-10.58	kWh/(m².a)
SEC Cold	-26.98	kWh/(m².a)
SEC Warm	-1.19	kWh/(m².a)
SEC Class	E	
Unit category	RVU	
Unit type	UVU	
Drive	External MSD or VSD	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv max	58	m³/h
P max	9	W
qv ref	0.0114	m³/s
Ps ref	7	Pa
SPI	0.21	W/(m³/h)
CTRL	1	
MISC	1.1	
x-value	1.5	
External Leakage	Not applicable	
AEC average	263	kWh
AHS Cold	263	kWh
AEC warm	263	kWh
AHS Average	17	kWh/a
AHS Cold	34	kWh/a
AHS Warm	8	kWh/a

**Units with local demand control**

ErP compliance	2018	
SEC Average	-24.86	kWh/(m².a)
SEC Cold	-51.92	kWh/(m².a)
SEC Warm	-9.35	kWh/(m².a)
SEC Class	E	
Unit category	RVU	
Unit type	UVU	
Drive	External MSD or VSD	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv max	58	m³/h
P max	9	W
qv ref	0.0114	m³/s
Ps ref	7	Pa
SPI	0.21	W/(m³/h)
CTRL	0.65	
MISC	1.1	
x-value	1.5	
External Leakage	Not applicable	
AEC average	138	kWh
AEC cold	138	kWh
AEC warm	138	kWh
AHS Average	28	kWh/a
AHS Cold	55	kWh/a
AHS Warm	13	kWh/a

## Dimension



(mm)



## Accessories

- Gasket CG 100 for BF Silent (231908)

## Documents

- Installation manual BF Silent.pdf
- DECLARATION\_OF\_CONFORMITY\_BF\_\_DMV\_\_IF\_EN\_20230224\_142301454.PDF