



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	14	W
Input current	0.088	A
Impeller speed	2,230	rpm
Air flow	max 140	m³/h
Temperature of transported air	max 50	°C

Sound data

Sound pressure level at 3m (free field)	34	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

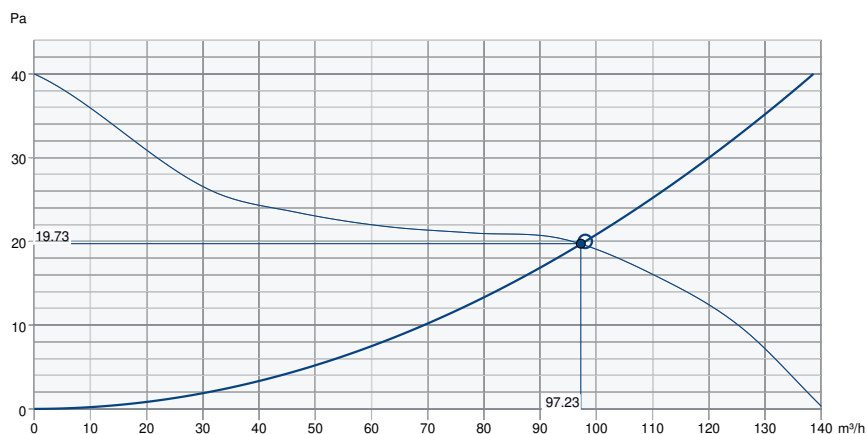
Duct dimension; Circular, inlet	120	mm
Weight	0.75	kg

Others

Motor type	AC
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Performance

Performance curve

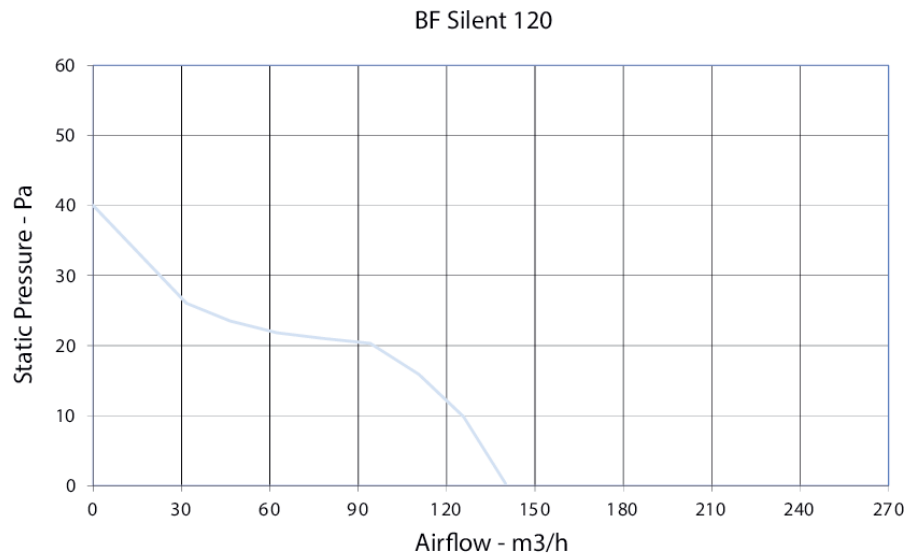


Hydraulic data

Required air flow	98 m³/h
Required static pressure	20 Pa
Working air flow	97 m³/h
Working static pressure	20 Pa
Air density	1.204 kg/m³
Power	12.8 W
Fan control - RPM	2,316 rpm
Current	0.10 A
SFP	0.474 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Accessories

Performances



Ecodesign

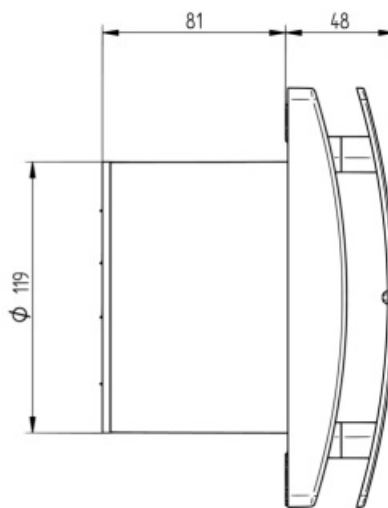
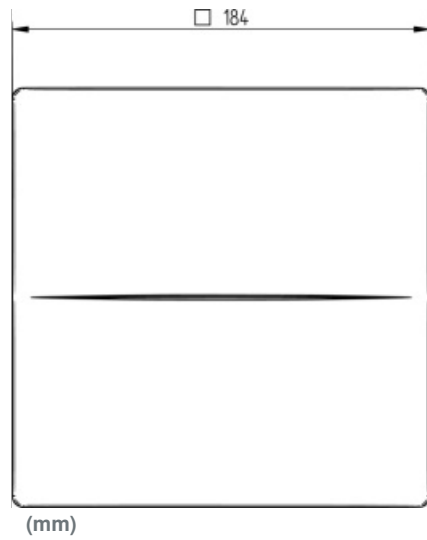
Ecodesign		
ErP compliance	2018	
Unit category	RVU	
Drive	External MSD or VSD	
Unit type	UVU	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv nom	0.0272	m³/s
P nom	0.013	kW
Ps nom	20	Pa
Fan efficiency	4.2	%

Basic unit		
ErP compliance	2018	
SEC Average	-11.3	kWh/(m².a)
SEC Cold	-27.7	kWh/(m².a)
SEC Warm	1.91	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	98	m³/h
P max	13	W
qv ref	0.0114	m³/s
Ps ref	50	Pa
SPI	0.187	W/(m³/h)
CTRL	1	
MISC	1.1	
x-value	1.5	
External Leakage	Not applicable	
AEC average	234	kWh
AHS Cold	234	kWh
AEC warm	234	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	-25.24	kWh/(m².a)
SEC Cold	-52.3	kWh/(m².a)
SEC Warm	-9.73	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	98	m³/h
P max	13	W
qv ref	0.0192	m³/s
Ps ref	50	Pa
SPI	0.187	W/(m³/h)
CTRL	0.65	
MISC	1.1	
x-value	1.5	
External Leakage	Not applicable	
AEC average	123	kWh
AEC cold	123	kWh
AEC warm	123	kWh
AHS Average	28	kWh/a
AHS Cold	55	kWh/a
AHS Warm	13	kWh/a

Dimension



Accessories

- [Gasket CG120 to BF Silent \(231909\)](#)

Documents

- [Installation manual BF Silent.pdf](#)
- [DECLARATION_OF_CONFORMITY_BF__DMV__IF_EN_20230224_142301454.PDF](#)