



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 | 9 | W |
| Input current | 0.068 | A |
| Impeller speed | 2,392 | rpm |
| Air flow | max 83 | m ³ /h |
| Temperature of transported air | max 50 | °C |

Sound data

| | | |
|---|----|-------|
| Sound pressure level at 3m (free field) | 26 | dB(A) |
|---|----|-------|

Protection/Classification

| | |
|------------------------|------|
| Enclosure class, motor | IPX4 |
| Insulation class | B |

Data according to ErP

| | |
|----------------------------|---|
| Energy class, Basic unit | C |
| Energy class, Local demand | E |

Dimensions and weights

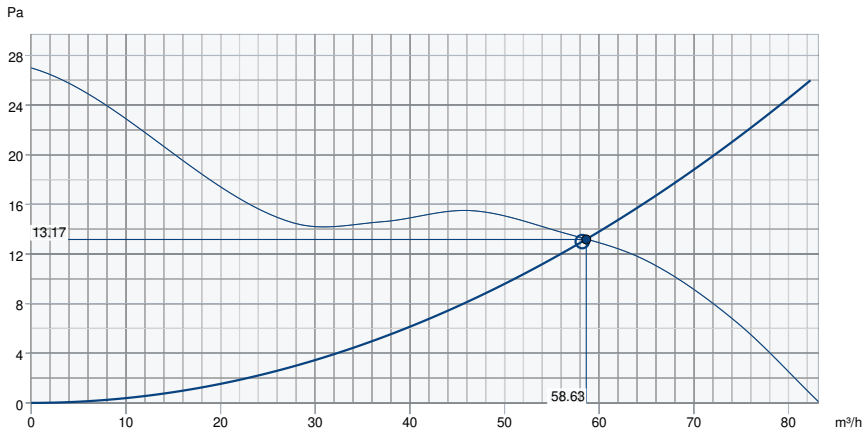
| | | |
|---------------------------------|------|----|
| Duct dimension; Circular, inlet | 100 | mm |
| Weight | 0.72 | kg |

Others

| | |
|------------|----|
| Motor type | AC |
|------------|----|

Performance

Performance curve



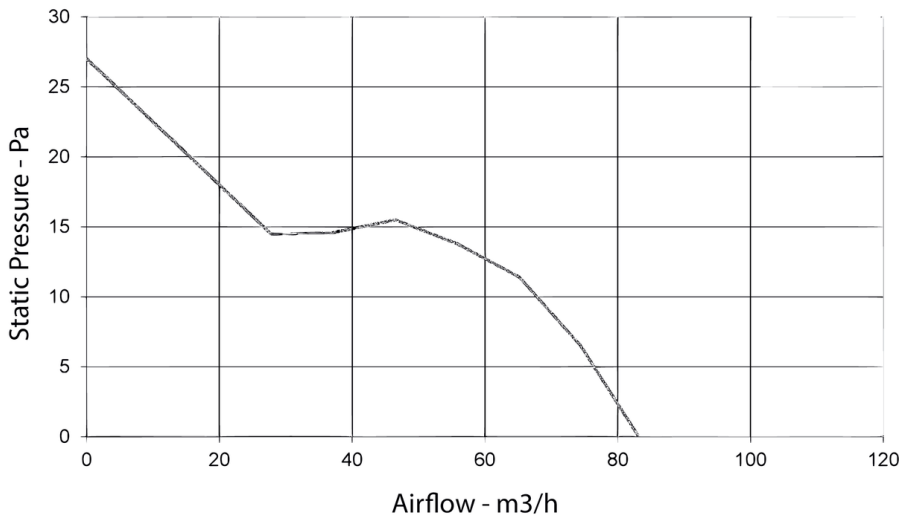
Hydraulic data

| | |
|--------------------------|---------------|
| 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

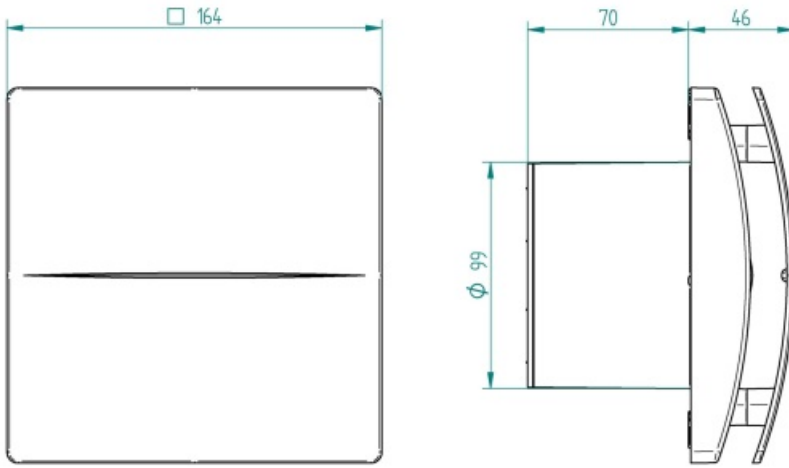
| Ecodesign | | |
|-------------------------|--------|---------------------|
| ErP compliance | | 2018 |
| Unit category | | RVU |
| Drive | | External MSD or VSD |
| Unit type | | UVU |
| Heat recovery type | | None |
| Temperature ratio (UVU) | | Not applicable |
| qv nom | 0.0161 | m ³ /s |
| P nom | 0.009 | kW |
| Ps nom | 13 | Pa |
| Fan efficiency | 2.5 | % |

| Basic unit | | |
|-------------------------|---------------------|-------------------------|
| ErP compliance | 2018 | |
| SEC Average | -10.58 | kWh/(m ² .a) |
| SEC Cold | -26.98 | kWh/(m ² .a) |
| SEC Warm | -1.19 | kWh/(m ² .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 | m ³ /h |
| P max | 9 | W |
| qv ref | 0.0114 | m ³ /s |
| Ps ref | 7 | Pa |
| SPI | 0.21 | W/(m ³ /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/(m ² .a) |
| SEC Cold | -51.92 kWh/(m ² .a) |
| SEC Warm | -9.35 kWh/(m ² .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 m ³ /h |
| P max | 9 W |
| qv ref | 0.0114 m ³ /s |
| Ps ref | 7 Pa |
| SPI | 0.21 W/(m ³ /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