FLEXIT®

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Silent Eco

ART.NR. 400065-400071, 119713, 119714

EN USER INSTRUCTIONS

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SAFETY INSTRUCTIONS

- To avoid the risk of fire, electric shock or injury, read all the safety instructions and warning texts before using the product.
- All electrical connections must be carried out by qualified electricians.
- The product must be installed as specified in the user manual and in compliance with local laws and regulations.

- This appliance may be used by children of 8 years or above or by persons with reduced sensory capacity or reduced physical or mental capacity, or by persons with a lack of experience or knowledge, provided they have received instructions in the safe use of the appliance or are supervised to ensure safe use and providing they are aware of the risks.
- The product is not suitable for use by children. Children must not be allowed to play with the appliance. Children must not carry out cleaning or maintenance without supervision.

1. Items included

Fan – 1 pc.

Set of screws – 1 pc.

Plastic screwdriver (inside fan) – 1 pc.
(for TH/TM models)

User manual – 1 pc.

Packaging – 1 pc.

2. Dimensional drawing

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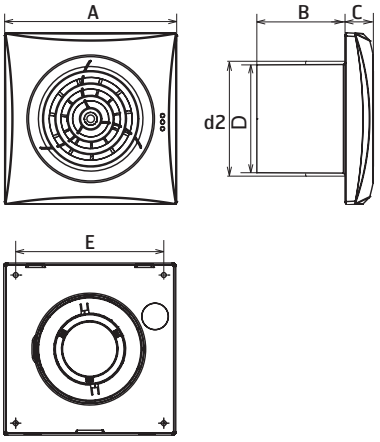
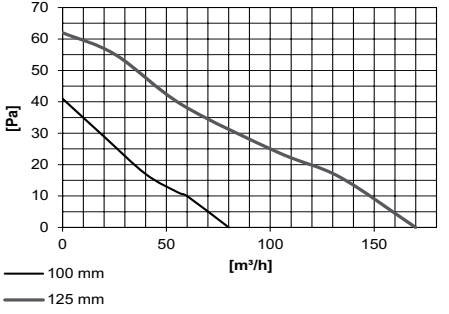
	A	B	C	D	d2	E
Ø100 mm	158	81	26	99	2	136
Ø125 mm	182	91	27	124	2	158



3. Technical data

Ø 100 mm	Ø 125 mm
80 m³/h	170 m³/h
41 Pa	62 Pa
25 dB(A) 3 m	34 dB(A) 3 m
7,5 W	17 W
220-240V-50Hz	220-240V-50Hz
IP 45	IP 45



Hole dimension

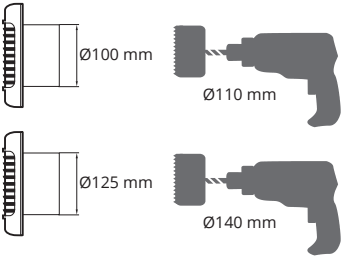


Fig. 1

Operation and ambient temperature +1°C - +45°C

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4. Product description

The Flexit Silent Eco fan series is designed for the ventilation of wet rooms, but can also be used in other types of rooms.

The fan is driven by a high-efficiency motor which only consumes 7.5W.
Maintenance free bearings with a lifetime of up to 40,000 hours in continuous operation.
The motor is fitted with overheating protection.
Special motor vibration damping ensures very low noise levels.
Fitted with a non-return damper which prevents cold air seeping in when the fan is not in operation. The damper can be easily removed if required.
The fan series consists of a number of different models with different functions;

Silent Eco
Standard fan which is started/stopped via a switch. Connected as shown in Fig. 4.

Silent Eco TH
The fan is controlled by a humidity sensor and timer. The humidity sensor starts the fan at a pre-set humidity level. The timer controls how long the fan continues after moisture has been removed from the room. The timer also starts the fan when switched on via the switch and controls how long the fan continues to run after the power is switched off, irrespective of the humidity level. The length of time the fan continues can be adjusted between 2-30 min. The humidity sensor can be adjusted between 60-90% RH. Adjusting the humidity sensor and timer; remove the front cover. Open the cover as shown in Fig. 8. Rotate the adjustment screws as shown in the instructions on the fan. Use the plastic screwdriver attached to the fan, Fig. 7. Connected as shown in Fig. 5.

Silent Eco TM
With motion sensor and timer. The fan is started when motion at 1 to 4 metres is detected within the sensor's 100° detection angle. The timer controls how long the fan continues after movements cease and can be adjusted between 2-30 min. Connected as shown in Fig. 4.

Silent Eco P
These fans are started and stopped using an integrated switch with pull cord. Electrical

connection as per Fig. 4.

Always switch the extractor fan off before adjusting the timer and humidity sensor!

NB: When connecting fans with a timer and humidity sensor (TH), the fan must be connected to a separate switch as shown in fig. 5. If the fan is not connected via such a switch, the timer function will not work.

5. Installation

DANGER! Electrical installation must be carried out by an authorised electrician as shown in the wiring diagram.

For wet room installations, extractor fans must be connected to the mains supply via an all-pole circuit breaker with a contact gap of least 3 mm for all poles.

- Ducts in cold zones must be insulated to avoid condensation.
- Ensure that nothing impedes the air supply in front of the fan.
- Ensure that the fan is not subject to any physical load.
- The fan must not be connected to a separate infinitely variable speed controller.
- Exhaust air must pass out through a separate duct.
- Avoid long sections of duct. A short duct straight out through the external wall produces the best results.
- The air must not contain solid impurities, adhesive substances or fibrous materials.
- Ensure that there is no free access to the fan wheel from outside by installing an external fin valve, grille or cover.

- Make sure the fan is securely attached to a firm surface, to avoid generation of vibrations.
- The fan must be protected against water penetration from outside and any condensation in the duct.
- If the vent pipe is vertical, there must be a branch to the fan, Fig. 2. A direct vertical vent pipe is not permissible, Fig. 3.
- Wall intakes must be protected with a fin valve, cover or grille.
- Any condensation must be able to run out so that it does not run into the fan from the rear.

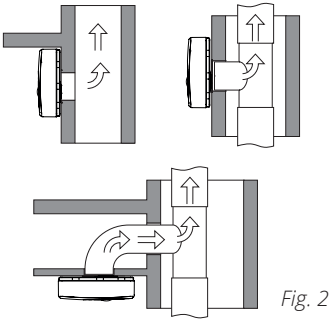

Fig. 2

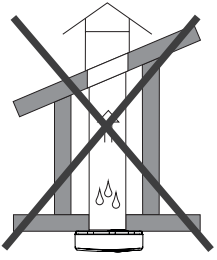

Fig. 3

6. Mounting

The fan must be fitted as high as possible to achieve the best possible results. Position the fan as high as possible above the shower head/water source. It must be fitted in compliance with existing laws and regulations. The fan is double insulated and do not require a connection to electrical earth. The protection rating is IP45. The fan should be fitted as far from the fresh air intake as possible to achieve the best possible air through-flow in the room. Fresh air is supplied directly from outside through a wall ventilator or from adjacent rooms, i.e. through a grate or slot in a door.

1. Cut out a hole that is slightly larger than the diameter of the fan. Recommended hole opening, see Fig. 1.
2. Adjust a wall lead-through/duct between the exterior and interior openings. The wall lead-through is to slope gently towards the outer wall to allow any condensation to run out.
3. Remove the front cover by releasing the snap fasteners at the bottom or top.
4. Hold the fan on the wall and mark the four screw holes. Make sure that the fan is straight. **Install the fan with LED to the right according to the direction specified in the fan and Fig. 8.**
5. Electrical connection must be carried out by an authorised electrician as shown in the circuit diagram, fig. 4 - 5. Make sure that there is around 25 cm of cable from the cable lead-in so that electrical connection can be carried out.
6. Connection point, Fig. 6, is accessed by lifting off the plastic cover. The cable is fed through the rubber nipple. Make sure that the cover is re-fitted and that the gasket is correctly in place.
7. Fit the front cover by pressing it towards the fan until it is locked into position by the snap fasteners. The fan is fitted with the light diodes on the right side (above the circuit board/lamp).

6.1. Wiring diagram

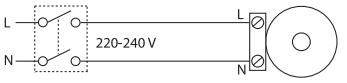

Fig. 4

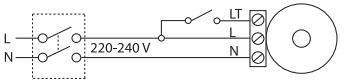

Fig. 5

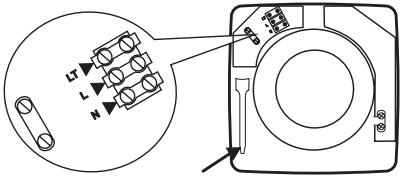

Fig. 6

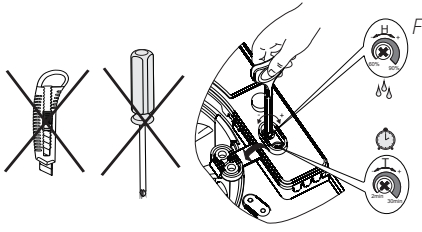

Fig. 7

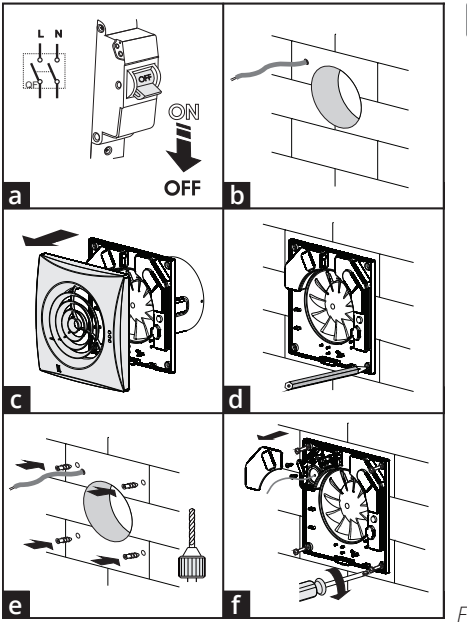

Fig. 8

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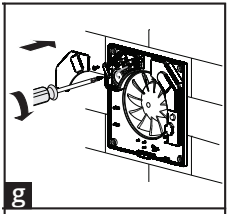

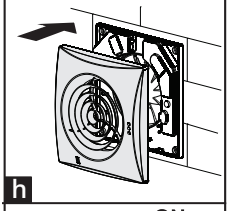

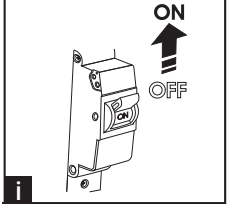

cont. Fig. 8

7. Maintenance

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Fig. 9.
Turn off the power supply before doing any maintenance.

Maintenance involves removing dust and dirt regularly. Use a soft cloth moistened with soapy water. Dry surfaces after washing.

Ensure that ducts and external valves/grilles/ covers are open and free of impediments.

Ensure that water does not come into contact with electronic components.

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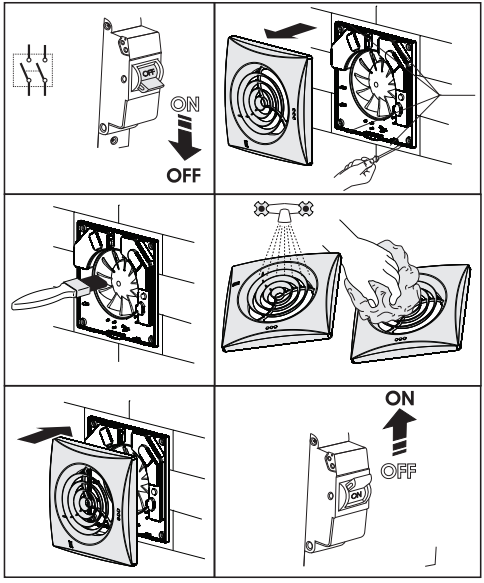

Fig. 9

8. Warranty claims

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Warranty claims will only be valid if the instructions in the manuals have been followed.

Warranty claims for this product are subject to the existing terms of sale, and the product must have been used correctly and maintained. The warranty may be rendered invalid if the product is used incorrectly or maintenance is grossly neglected.

Warranty claims resulting from incorrect or defective installation must be submitted to the installation company responsible.

Our products are subject to continuous development and we reserve the right to make changes.

We also disclaim liability for any printing errors that may occur.

9. Disposal

The symbol on the product shows that this product must not be treated as household waste.
It must be taken to a collection point for recycling electrical and electronic equipment.

By ensuring correct disposal of the equipment, you will help to prevent negative consequences for the environment and health that incorrect handling may entail.

For further information on recycling this product, please contact your local authority, your refuse collection company or the company from which you purchased it.

10. Declaration of Conformity

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This declaration confirms that the products meet the requirements in the following Council Directives and standards:

2014/35/EU Low Voltage Directive (LVD)
2014/30/EU Electromagnetic Compatibility (EMC)
2011/65/EU RoHS Directive

Producer: VENTILATION SYSTEMS PrJSC
1, Mikhaila Kotzubinskogo St., Kiev, 01030, Ukraine

Type: Bathroom fan Silent Eco

Art.no.: 400065, 400066, 400067, 400068, 400069, 400070, 400071, 119713, 119714

Safety standard:	EN 60335-1 EN 60335-2-80
EMF standard:	EN 62233
EMC standard:	IEC 61000-3-2 IEC 61000-3-3 CISPR 14-1 CISPR 14-2

11. Product and Environmental Declaration

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The product and production comply with existing international environmental requirements such as WEEE and the RoHS Directive.

EE-products (Electrical and Electronic products)

Flexit meets its obligations under the waste regulations/EE regulations by being a member of the following waste recycling companies:
- Renas AS for commercial electric/electronic equipment (e.g. extractor fans, ventilation units)
- El-retur AS for electric/electronic household appliances (e.g. bathroom vans, kitchen fans)

EE waste must not be disposed of with other waste. When no longer needed it should be handed into a dealer or appropriate location at a local disposal/collection centre.

Flexit AS 30.10.2017

Knut Skogstad
CEO

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