getAir®

The future of home ventilation

SmartFan XR

Installation and operating instructions

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EN

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Content

1 General remarks

1.1 Usage

The units are designed for ventilating living rooms, wetrooms and kitchens pursuant to DIN 18017 Part 3. Their use is limited to the described use cases and only in association with the recommended components listed in this document. Other usages are not permitted. The system is unsuitable for extracting smoke or drying buildings, for rooms containing aggressive and/or caustic gases or extreme levels of dust.

To guarantee the fault-free and safe use of the system, it is vital to ensure appropriate transport and storage, professional planning and installation, as well as proper operation and maintenance. Modifications and reconfigurations of the unit / system are not permitted. The use of accessories which have not been officially recommended is not allowed and will lead to a loss of warranty.

Before beginning with the installation, the positioning of the units needs to be properly planned. During planning, installation and operation, all relevant requirements, building and fire protection regulations and accident prevention regulations are to be complied with. In the planning phase, details need to be checked with the respective chimney sweep or ventilation expert.

1.2 Safety information

Attention is to be paid to the safety information contained in these instructions for installing and operating the systems. Before any work is carried out on them, the instructions and safety information are to be read carefully in full. Non-compliance with the safety information can lead to harm/damage to persons and/or equipment.

Assembly, electrical installation and system start-up should only be performed by skilled persons. These are people with relevant safety training and qualified to install, commission and label equipment, systems and cabling in accordance with current safety standards.

The following list contains descriptions of the symbols and terms used in these instructions:

Hazard symbol		Caution	This hazard symbol warns about the danger of injury.
		Electricity	This hazard symbol warns about the danger of electrocution.
Warning symbol		Please note	This warning symbol indicates important information

1.3 Installation prerequisites

To achieve the designed performance, proper installation, correct air outflow positioning and adequate inflows must be ensured.

When using the system in a room with a fireplace, adequate inflows of air must be guaranteed under all operating circumstances.

The units are IPX5-rated (water jet protected) and can thus be installed in wetrooms. They are rated as a Class II appliance and comply with Directive 89/336/EEC.

Deviating versions and unfavourable installation and operating conditions can lead to a reduction in the rated airflow volume. Pursuant to DIN 18017 Part 3, section 3.1.3., the airflow volume may be up to 15% under the rated airflow volume when several ventilation units are operated serially and at the same time and/or when they are influenced by external conditions.

1.4 Rated airflow volumes pursuant to DIN 18017 Part 3

Ventilation units for use in ventilating bathrooms (with or without WCs) may, dependent on the version and mode of operation, be designed for the following minimum airflow volumes:

40 m³/h	This volume must be extracted within a period of at least 12 hours a day.
60 m³/h	The airflow volume may be reduced to 0 m³/h, insofar as it is ensured that, each time the unit is switched off, a further 5 m³ of air is extracted from the room in question by the system.

1.5 Air inflows and outflows

Every interior room needing to be ventilated must have an unobstructed opening with a section of 150 cm² through which air can flow. The exhaust should be close to the ceiling, and lead into the riser pipe. In bathrooms, the air must be directed in such a way that the airflow speed does not exceed 0.2 m/s in places where bathrooms occupants are likely to be.

1.6 Connection to the building's piping system

Attach the 75mm alu-flex pipe to the pipe junction and fix with textile or cold welding tape. The bending radius must not be lower than the diameter. To prevent corrosion, you must insulate the connecting pipe with suitable foil (e.g. PE foil) between the pipe and the wall.

1.7 Piping system

The riser pipe with its required junctions must be dimensioned according to the number of floors and the number of units with the aid of the plan below. Deformations, cross-section restrictions or a discharge pipe above the uppermost unit of more than 1.5 m lead to increased pressure losses, which must be compensated by the riser pipes having a larger diameter.

When one of the main pipes is not completely vertical, you must provide proof that the requirement stated in DIN 18 0 17 Part 3, section 3.1.3, third sentence, has been met. When dimensioning the main pipe, you must base your calculation on the assumption that all fans are operating at full power at the same time.

Pursuant to DIN 18 0 17 part 3, section 3.9, exhaust riser pipes must be tight, secure and, when servicing more than two full floors, be made of fire-resistant material (class A under DIN 4102). They must be designed / insulated in such a way that damage from condensate is prevented. The discharge pipe must exit the building above the roof.

To prevent noise being transmitted, the main pipe must be fixed in place using noise-absorbing pipe clamps.

The main pipes should have a sufficient number of sealed openings to allow them to be easily cleaned. Screw-in cleaning caps are not permitted.

The installation of the ventilators must comply with the building acoustic requirements set forth in DIN 4109.

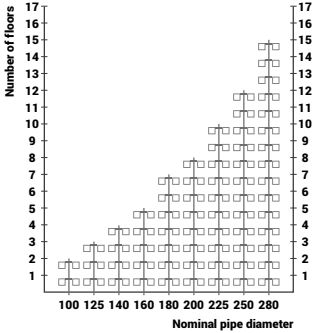
A maximum of two fans per floor may be connected to the same main riser. A unit used to ventilate a bathroom and WC must not be used to ventilate any other rooms in an apartment.

1.8 Plan for dimensioning the riser pipes

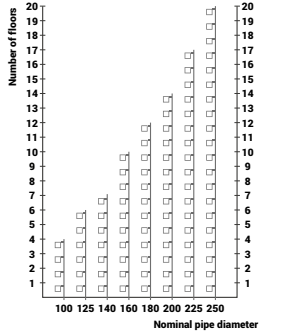
Preconditions: 2.75 m ceiling height, 1.50 m roof exit

Flush-mounted units

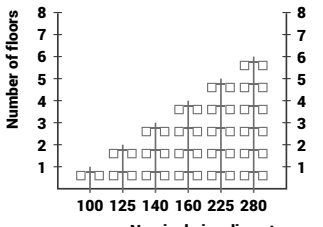
2 units per floor
Airflow volume 60 m³/h
Pressure difference 118 Pa



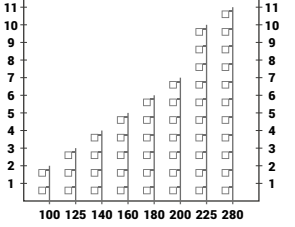
1 unit per floor
Airflow volume 60 m³/h
Pressure difference 118 Pa



2 units per floor
Airflow volume 100 m³/h
Pressure difference 60 Pa

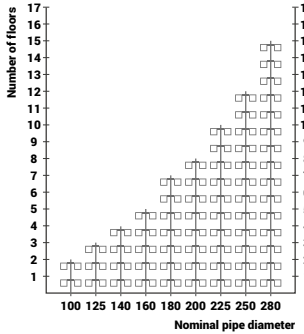


1 unit per floor
Airflow volume 100 m³/h
Pressure difference 60 Pa

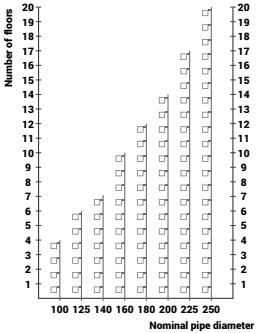


Surface-mounted units

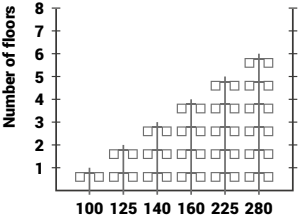
2 units per floor
Airflow volume 60 m³/h
Pressure difference 88 Pa



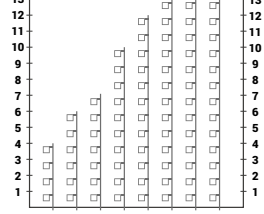
1 unit per floor
Airflow volume 60 m³/h
Pressure difference 88 Pa



2 units per floor
Airflow volume 90 m³/h
Pressure difference 67 Pa



1 unit per floor
Airflow volume 90 m³/h
Pressure difference 67 Pa



2 Installation preparations

2.1 Contents

PLEASE CHECK THE CONTENTS OF THE SUPPLIED GOODS IMMEDIATELY AFTER DELIVERY BY THE CARRIER FOR ANY DAMAGE. SHOULD YOU FIND ANY DAMAGE, PLEASE CONTACT THE CARRIER OR YOUR DEALER. REPORTING DAMAGE TOO LATE MAY LEAD TO YOU BEING UNABLE TO MAKE A CLAIM.

The casing for the flush-mounted unit is generally supplied without packaging to reduce waste. The casing is made of silica fibres or ABS / EPS and is supplied with a wet-proof plaster protection cover. A casing with an ancillary connection has an additional steel connector for a 75mm alu-flex-pipe.

For a casing with built-in fire protection, a shut-off device is located in the exhaust socket. It consists of a trigger console with a fusible link and a shut-off element made of silica fibres. The shut-off device can be retrofitted.

The carton containing the fan element for flush-mounted devices may also contain a control module. As well as the filter bracket and filter (Class EU 2 under DIN 24185 Part 2) and the fan cover.

The surface-mounted unit consists of a base plate to which the fan is attached, a fan cover and optionally a control module and fixing material.

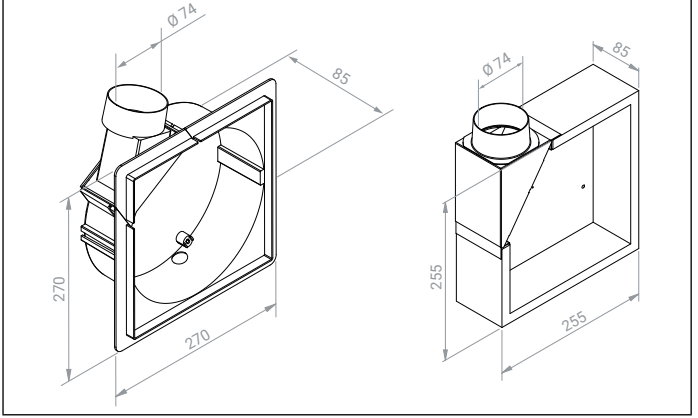
If the fan is kept in storage for a longer period, the following must be ensured to prevent damage:

- The storage place must not be subject to temperature fluctuations, and must be dry and protected from water and shaking.
- Make sure the fan is kept sealed in airtight packaging.

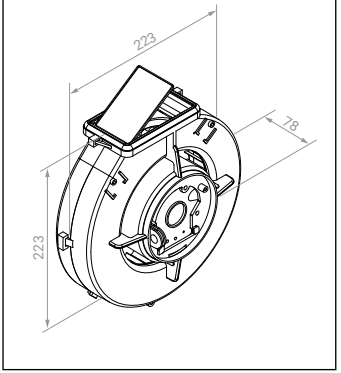
DAMAGE CAUSED BY IMPROPER STORAGE, TRANSPORT OR INSTALLATION IS NOT COVERED BY THE WARRANTY.

2.2 Dimensions

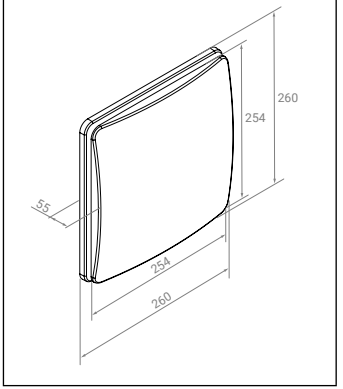
Flush-mounting cases



Fan element

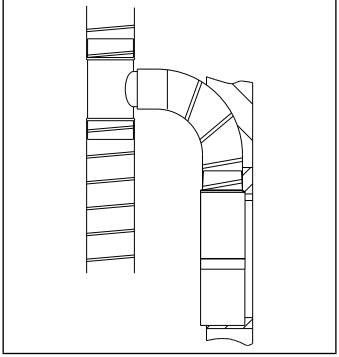


Fan cover

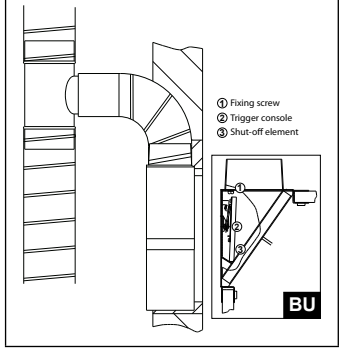


2.3 Versions with fire protection according to DIN 18017 Part 3

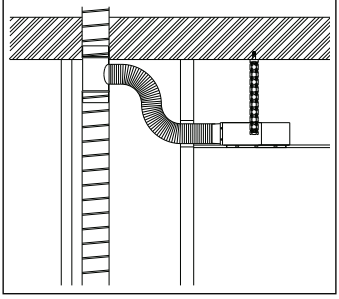
Flush-mounted wall installation without fire protection



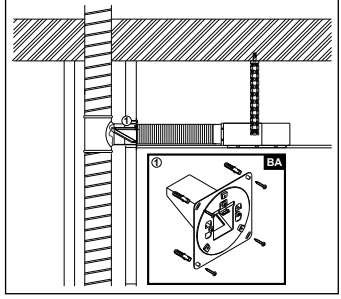
Flush-mounted wall installation with fire protection



Flush-mounted ceiling installation without fire protection



Flush-mounted ceiling installation with fire protection



3 Electrical installation

THE WIRING MUST BE CARRIED OUT BY AN AUTHORISED ELECTRICIAN. DURING ALL INSTALLATION WORK, THE SYSTEM MUST BE DISCONNECTED FROM THE MAINS.

3.1 Electrical cabling

The units are IPX5-rated (water jet protected) and can thus be installed in wetrooms. They are rated as a Class II appliance and comply with Directive 89/336/EEC. No safety connection to electrical earth (ground) is required.

Installation must provide for complete (all poles) disconnection from the mains and for a min. 3 mm contact opening width.

Please ensure compliance with all normal standards, safety requirements and technical connection requirements of your energy supplier.

Cables to be used:

- 3 x 1,5 NYM-J for Type G control modules
- 5 x 1,5 NYM-J for Type V direct control modules
- 7 x 1,5 NYM-J for Type V central control modules

3.2 Control module

Dependent on requirements and the selected type, the fans can be operated as follows:

1. Single-stage

- for direct demand-oriented venting
- for time-lag venting
- for interval-controlled venting

2. Multi-stage

- with high voltage control
- with base, partial or full load
- for time-lag venting
- for interval-controlled venting

LOW-VOLTAGE CONTROL IS TO BE SELECTED ON SAFETY GROUNDS WHEN THE FAN IS CONTROLLED VIA A CENTRAL CONTROL UNIT.

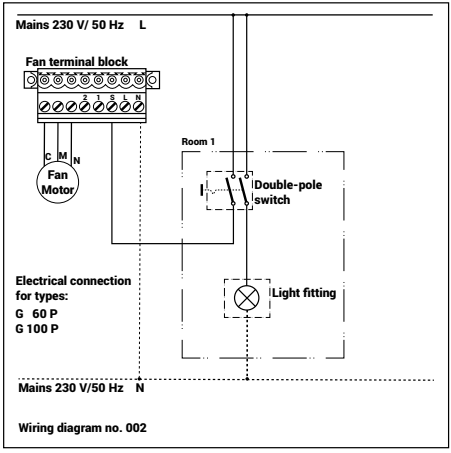
The second mains connection is for locally-connected partial load devices. The wiring diagrams are to be found on each individual control module. Time lags and intervals are either set to standard settings or can be individually set. Multi-stage fans are connected via double-pole switches.

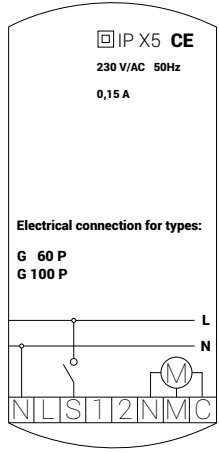
3.3 Control module wiring diagrams

DEVICES OR INSTALLATIONS OPERATED IN CONJUNCTION WITH THE FAN CAN LEAD TO MALFUNCTIONING. FOR THIS REASON, THE USE OF DOUBLE-POLE SWITCHES FOR CONTROLLING THE FAN IS RECOMMENDED EVEN IN SINGLE-ROOM USAGE.

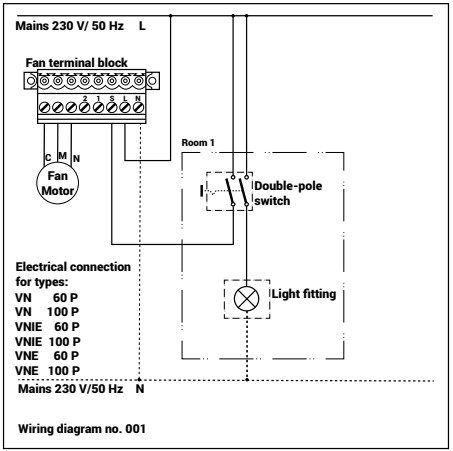
ANCILLARY UNITS INSTALLED IN A SECOND ROOM MUST BE CONTROLLED VIA A DOUBLE-POLE SWITCH.

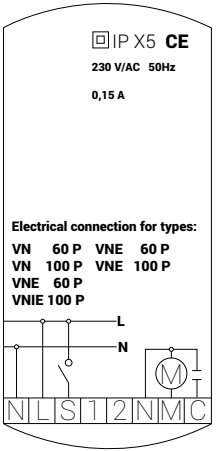
Single room installation



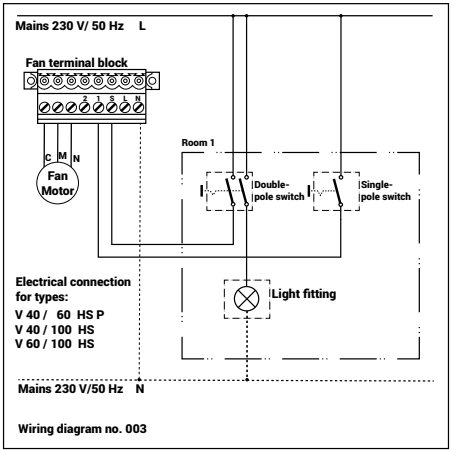


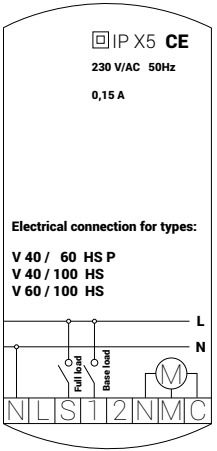
Single room installation



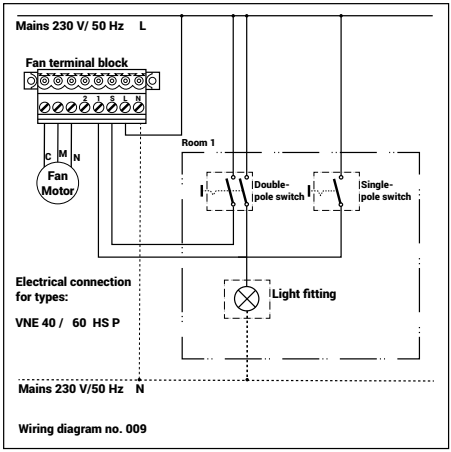


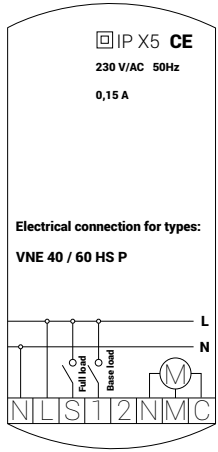
Single room installation



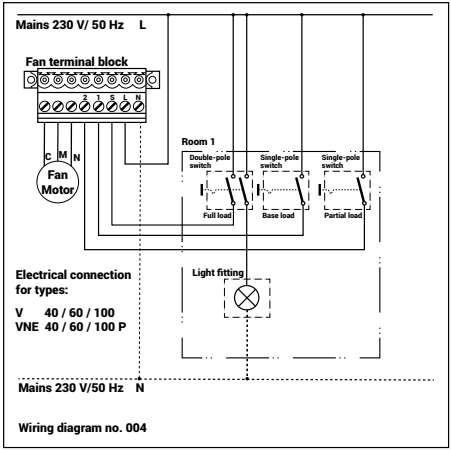


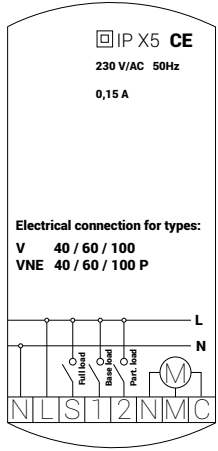
Single room installation



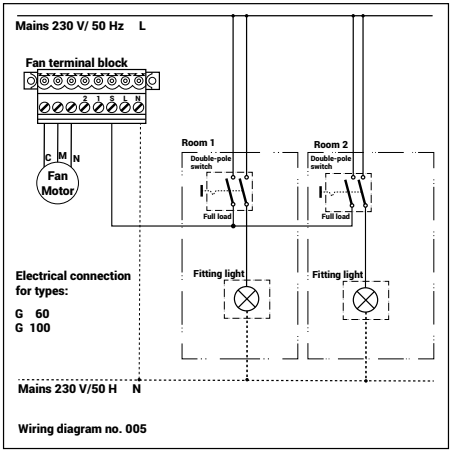


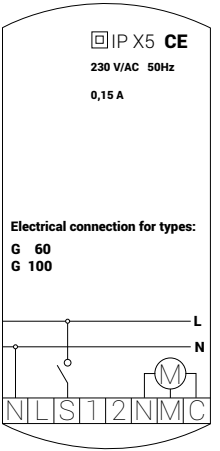
Single room installation





Second room installation





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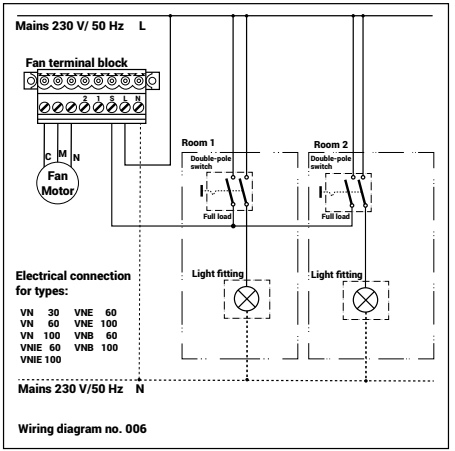

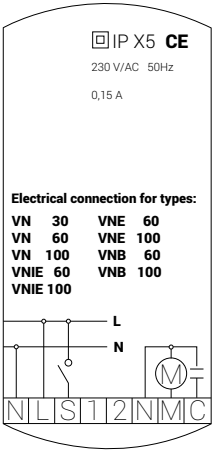

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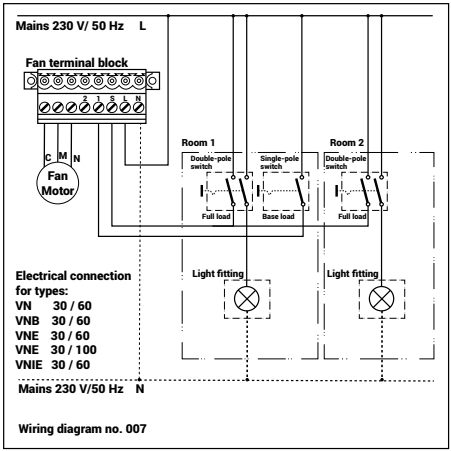

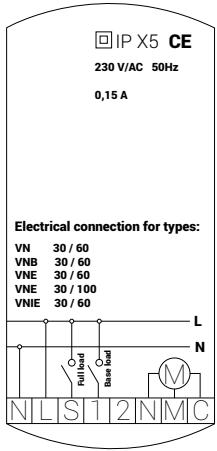

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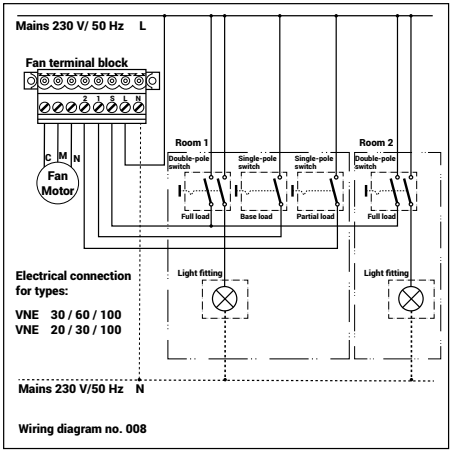

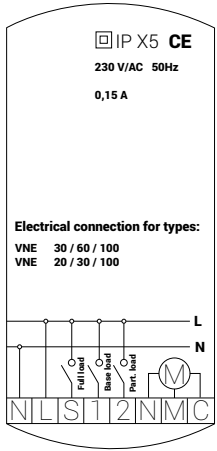

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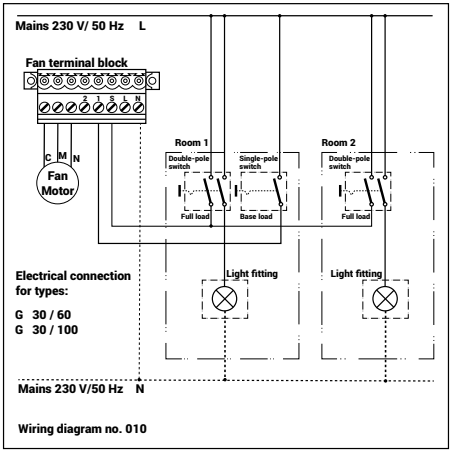

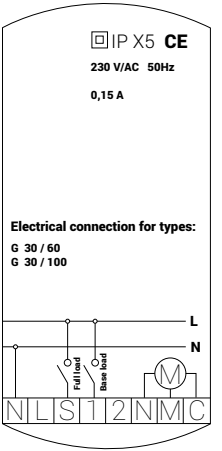

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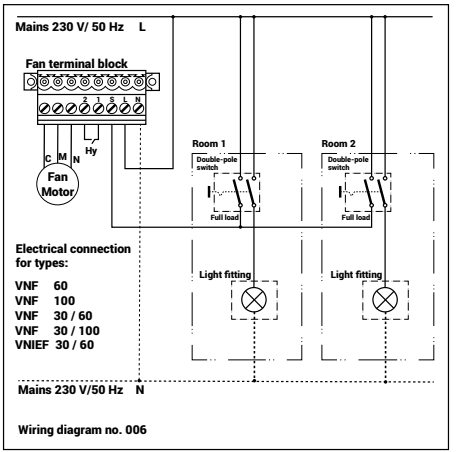
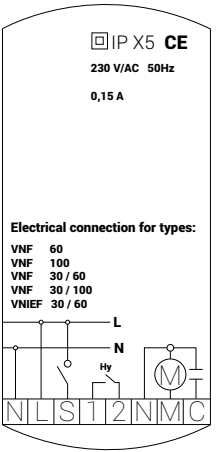




4 Installation

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION.

The units can be installed and operated in any position, but the exhaust pipe must not face downwards. Flush-mounted units without fire protection are not suitable for installing in ceilings. When installing units with fire protection, the exhaust pipe must face upwards.

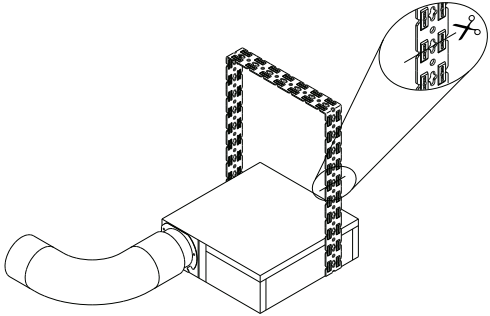
4.1 Installing the flush-mounted casing

The metal frame must be flush with the plaster, meaning that the insertion made for the casing must be at least 95mm deep (105 mm for a casing without fire protection). A deeper insertion or the mounting of tiles at a later time is no problem, as no connection is required between the casing and the filter bracket. The filter bracket claws let it sit firmly both in the casing and in the brickwork or plaster. When installing the casing, use a mortar belonging to Group II or III.

WHEN INSTALLING IN A DRYLINED WALL THE CASING MUST BE FORCE-FITTED (231 MM).

4.1.1 Installation using a mounting clamp

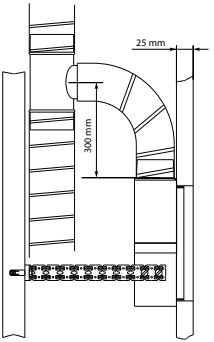
The mounting clamp must be shortened to the required size at the foreseen holes. Screw it on to the casing. For a casing without fire protection, screw anchors are provided.



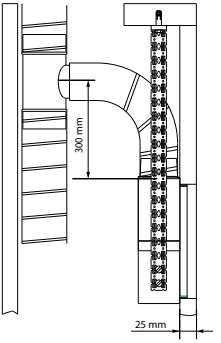
MAKE SURE THE SCREWS DO NOT PENETRATE THE STEEL EXHAUST PIPE!

Now attach the mounting clamp and the casing to the ceiling or wall using the supplied screw anchors.

Wall installation



Ceiling installation



Push the alu-flex connector pipe onto the riser junction and seal with textile or cold-shrink tape.

Push the electrical cables through the opening in the casing and shorten to 50 cm.

Cable inlet flush-mounting

4.1.2 Installation without the mounting clamp

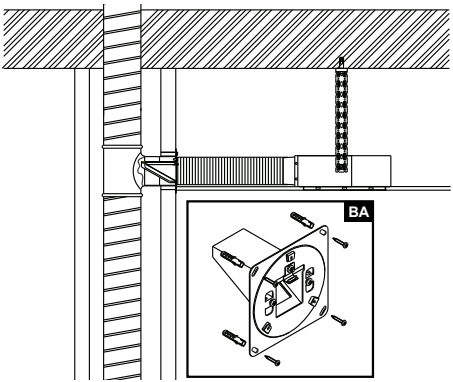
The casing can be attached to the ceiling by using a perforated steel band. Use the two screwholes next to exhaust pipe.

Push the alu-flex connector pipe onto the connector and seal with textile or cold welding tape.

Push the electrical cables through the opening in the casing and shorten to 50 cm.

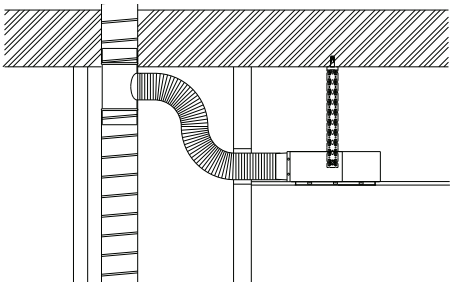
4.1.3 Fire protection outside duct walls with a shut-off device

For units requiring fire protection, use the Type BA fire protection device. The shut-off device is mounted on the fire wall.



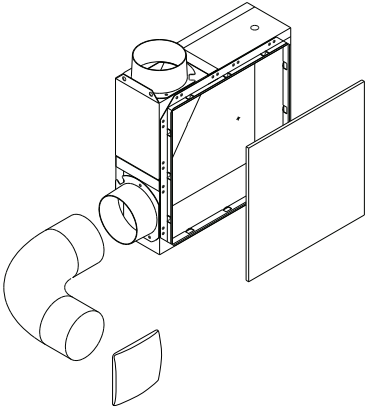
To install the unit in a drylined ceiling, a mounting clamp must be used (see Installation using a mounting clamp). When installing the casing in facing panels liable to resonate, use an elastomer (e.g. EPDM rubber) sealant to prevent sound transfer.

4.1.4 Fire protection outside duct walls without a shut-off device



4.1.5 Second room installation

Use a flush-mounting case with a connection for a second room. Position it in relation to the second room to achieve a direct connection.



Connect the connection for a second room to the side connector of the flush-mounting case using alu-flex pipe and seal properly using textile or cold-shrink tape.

4.2 Installing the fan element

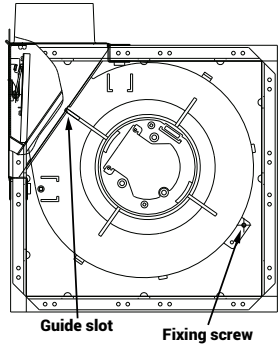
ONLY REMOVE THE FAN ELEMENT FROM THE CARTON IMMEDIATELY BEFORE INSTALLING IT TO PREVENT DAMAGE AND STOP (TRANSPORT OR BUILDING SITE) DIRT GETTING INTO IT.

IN THE CASE OF THE FAN ELEMENT BEING DROPPED OR OTHERWISE DAMAGED, STOP THE INSTALLATION WORK, AS THERE CAN NOW BE NO GUARANTEE THAT THE UNIT WILL FUNCTION PROPERLY.

AN ELECTRICIAN MUST BE EMPLOYED TO CONNECT THE SYSTEM TO THE MAINS. DURING ALL WORK ON THE SYSTEM, IT MUST BE DISCONNECTED FROM THE MAINS. PLEASE ENSURE COMPLIANCE WITH ALL NORMAL STANDARDS, SAFETY REQUIREMENTS AND TECHNICAL CONNECTION REQUIREMENTS OF YOUR ENERGY SUPPLIER.

INSTALLATION MUST PROVIDE FOR COMPLETE (ALL POLES) DISCONNECTION FROM THE MAINS AND FOR A MIN. 3 MM CONTACT OPENING WIDTH.

1. Turn off the power supply.
2. Remove the plastering cover from the flush-mounting case. Check the correct installation of the casing and cables [A]. Remove any dirt (plaster, cement, etc.).
3. Remove the packaging from the fan element.
4. Hang in the fan element through inserting the fan exhaust head into the guide slot in the bracket holding the steel exhaust pipe. Screw onto the casing using the supplied screw.
5. Set the recoil spring. The recoil spring can be removed when the exhaust opening faces upwards or rightwards. In the case of it facing downwards or leftwards, the spring must be reinserted in the third hole.
6. Free the cable of its insulation for 6 cm and free the cable ends. Push the cable through the grommet.
7. The connection to the 8-pole plug is done in line with the wiring diagram on each control module (see the control module wiring diagrams).



8. Then plug the control module into [B] and fix with the two supplied screws.
9. Insert the filter bracket using the four wall claws into the opening [C], ensuring that it is perfectly flush. As there is no physical connection between the flush-mounted casing and the fan unit, it is no problem if the casing is too deep. The claws of the filter bracket establish a tight fix, whether in the casing, the brickwork or the plaster.
10. Then insert the filter unit and push on the cover until the latter locks into place [D].

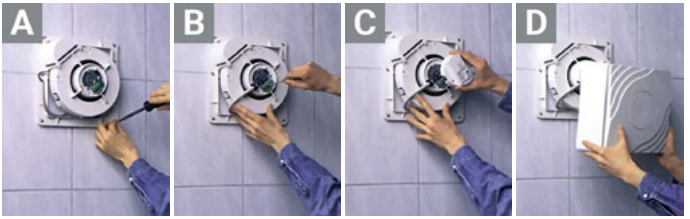
4.3 Installing the surface-mounted fan

ONLY REMOVE THE FAN ELEMENT FROM THE CARTON IMMEDIATELY BEFORE INSTALLING IT TO PREVENT DAMAGE AND STOP (TRANSPORT OR BUILDING SITE) DIRT GETTING INTO IT.

IN THE CASE OF THE FAN ELEMENT BEING DROPPED OR OTHERWISE DAMAGED, STOP THE INSTALLATION WORK, AS THERE CAN NOW BE NO GUARANTEE THAT THE UNIT WILL FUNCTION PROPERLY.

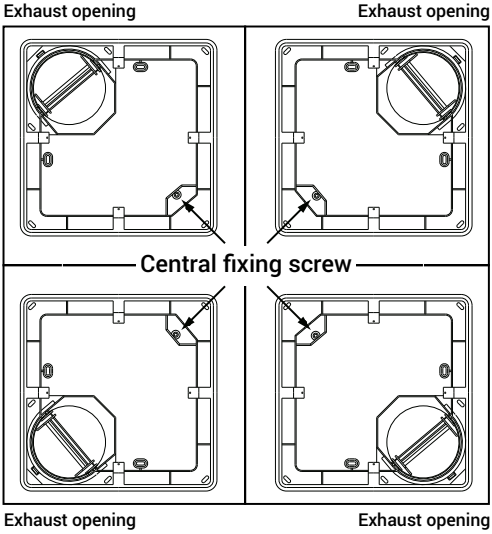
AN ELECTRICIAN MUST BE EMPLOYED TO CONNECT THE SYSTEM TO THE MAINS. DURING ALL WORK ON THE SYSTEM, IT MUST BE DISCONNECTED FROM THE MAINS. PLEASE ENSURE COMPLIANCE WITH ALL NORMAL STANDARDS, SAFETY REQUIREMENTS AND TECHNICAL CONNECTION REQUIREMENTS OF YOUR ENERGY SUPPLIER.

INSTALLATION MUST PROVIDE FOR COMPLETE (ALL POLES) DISCONNECTION FROM THE MAINS AND FOR A MIN. 3 MM CONTACT OPENING WIDTH.



1. Turn off the power supply.
2. Remove the packaging from the fan cover and the base plate.
3. The fan element and its exhaust opening are positioned over the 80-100 mm exhaust pipe in the wall.
4. The base plate is fixed using the supplied screws and screw anchors [A].
5. Hang in the fan unit through inserting the fan exhaust head into the guide slot in the bracket holding the steel exhaust pipe. Screw onto the casing using the supplied screw.
6. Set the recoil spring. The recoil spring can be removed when the exhaust opening faces upwards or rightwards. In the case of it facing downwards or leftwards, the spring must be reinserted in the third hole.
7. Free the cable of its insulation for 6 cm and free the cable ends. Push the cable through the grommet.

8. The connection to the 8-pole plug is done in line with the wiring diagram [B] on each control module (see the control module wiring diagrams).
9. Then plug in the control module and fix with the two supplied screws [C].



10. The base plate forms a shadow gap to the wall. This must be sealed with silicon.
11. The base plate cover is then pushed onto the base plate [D].
12. Insert the filter unit and push on the cover until the latter locks into place.

5 Maintenance

5.1 Maintenance intervals

Component	Interval	Action
Fan cover	Once every three months	• Wipe the surface with a damp cloth.
Filter unit	Once every three months	• Check whether the fan unit is dirty. • Replace if dirty.
BU fire protection device	Once every six months	• De-install the shut-off device. • Check the trigger console with the fusible link. • Replace a dirty or defective trigger console.
BA fire protection device	Once every six months	• Check the trigger mechanism • Replace any defective shut-off device.

5.2 Maintenance instructions

WHEN CARRYING OUT MAINTENANCE WORK, THE SYSTEM MUST BE SWITCHED OFF.

WHEN CARRYING OUT MAINTENANCE WORK ON THE VENTILATION UNIT, THE SYSTEM MUST BE DISCONNECTED FROM THE MAINS.

UNITS WITH FIRE PROTECTION THAT ARE INSTALLED IN KITCHENS SHOULD BE CHECKED ONCE EVERY SIX MONTHS. INSOFAR AS TWO CONSECUTIVE INSPECTIONS DO NOT REVEAL ANY OPERATING PROBLEMS, THE INTERVAL CAN BE EXTENDED TO ONE YEAR.

MAINTENANCE SHOULD BE INCLUDED IN THE OVERALL MAINTENANCE OF ALL VENTILATION SYSTEMS.

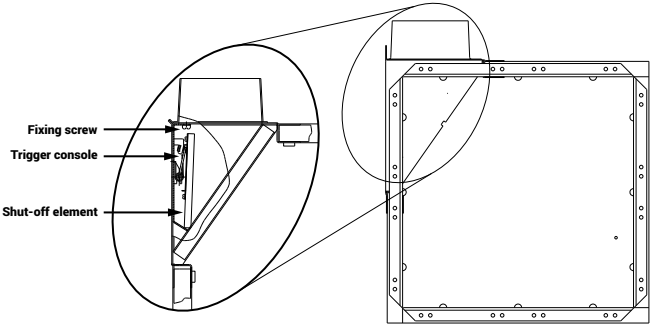
5.2.1 Filter maintenance

THE FILTER UNIT MUST BE CHECKED AND REPLACED ONCE EVERY THREE MONTHS, AS A DIRTY/CLOGGED UP FILTER CAN CAUSE PERFORMANCE DEGRADATION. A DIRTY/ CLOGGED-UP FILTER MAKES THE UNIT LOUDER AND CAN CAUSE OVERHEATING, EVENTUALLY LEADING TO THE SYSTEM NOT FUNCTIONING AT ALL.

1. Disconnect the unit from the mains.
2. Using both hands, twist the cover 45° and pull it off.
3. Remove and check the filter unit. Replace a dirty/clogged up filter.
4. Once the filter has been changed, replace the cover.

OPERATING THE UNIT WITHOUT A FILTER IS NOT PERMITTED, AS OTHERWISE THE UNIT AND THE PIPING WILL GET CLOGGED UP.

5.2.2 Maintenance of the Type BU fire protection device



1. Disconnect the unit from the mains.
2. Using both hands, twist the cover 45° and pull it off. The filter unit can now be removed. The four screws holding the filter bracket are unscrewed and the bracket removed.
3. The screw holding the fan unit in place is unscrewed and the unit removed from the casing.
4. The shut-off element (a 6mm silica fibre plate) can be raised by pushing against the bottom half of the plate. Holding the small fixing screw, the plate is raised slightly and slid out of the opening sideways.
5. The trigger console needs to inspected, checking that the fusible link sits firmly. Should the trigger console need to be removed on account of being too dirty, unscrew the central screw on the console.

6. To replace the plate, slide it into the opening sideways and press it in, exerting slight pressure on the upper half.
7. The remaining components are replaced in the same order as they have been removed.

5.2.3 Maintenance of the Type BA shut-off device

See Maintenance of the Type BU shut-off device

1. Disconnect the unit from the mains.
2. After removing the room-facing components (exhaust valve, connector pipe or extractor), the trapdoor trigger can be activated by unscrewing the fusible link.
3. After checking that the trigger is functioning properly, screw the fusible link back on and replace the fan elements.

6 Disposal

Due to little or no harmful materials being used in their production, the majority of components described in these operating instructions can be recycled. Should you want to dispose of your ventilation unit, please do so in accordance with current national regulations. For more information, please contact the appropriate authority. Packaging material should be sorted before disposal.

7 Technical data

7.1 Flush-mounted units

Airflow volume [m³/h]	30	60	100
Sound pressure level[1)] [dB(A)]	30	38	46
Energy consumption [W]	7.2	19.5	24.4
Electric current (A)	0.03	0.08	0.1
Pressure difference (Pa)	61	118	84
Input voltage (V)	230 AC / 50 Hz		
Type of protection	IPX5		
Air intake	free of aggressive gases, dust and oil		
Permissible operating temperature [°C]	0 ... 40		
Installation	Wall or ceiling installation		
Minimum wall thickness [mm]	90		
Dimensions [mm]	260 x 260 x 40 (W x H x D)		
Weight [kg]	2.45		
Colour	white		
Conformity	CE		

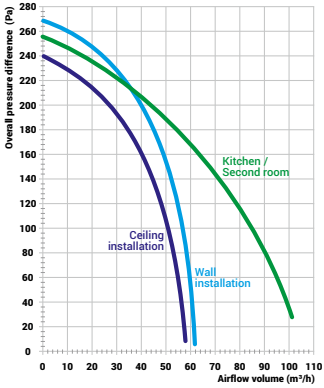
[1)] measured at a distance of 1 m

7.2 Surface-mounted units

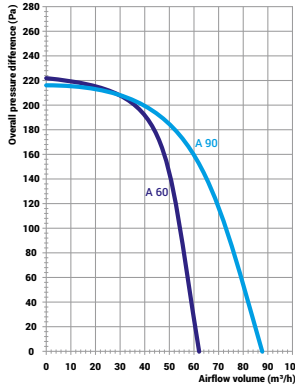
	A60	A90
Airflow volume [m³/h]	60	90
Sound pressure level[1)] [dB(A)]	42	51
Energy consumption [W]	30	40
Electric current (A)	0,13	0,17
Pressure difference (Pa)	88	67
Input voltage (V)	230 AC / 50 Hz	
Type of protection	IPX5	
Air intake	free of aggressive gases, dust and oil	
Permissible operating temperature [°C]	0 ... 40	
Installation	Wall or ceiling installation	
Minimum wall thickness [mm]	-	
Dimensions [mm]	270 x 270 x 135 (W x H x D)	
Weight [kg]	2,7	
Colour	white	
Conformity	CE	

[1)] measured at a distance of 1 m

7.3 Performance curve



Flush-mounted fan



Surface-mounted fan

8 EC Conformity declaration

The fan systems, consisting of a universal fan unit as well as surface-mounted fans and control modules meet the requirements and specifications of § 4.1 EMVG.

DAR Registration No. TTI-P-G053/92-00 Hewlett Packard, Test Lab Böblingen, BAPT, DATech, DEKITZ accreditation

9 Registration numbers

DIBt Berlin registration number	Product
Z-41.3-369	Flush-mounted casing with fire protection
Z-41.3-370	Flush-mounted casing with integrated fire protection
Z-41.3-370	Type BU fire protection device for flush-mounted casing
Z-41.3-371	Type BA fire protection device for wall installation
Z-51.1-97	Fan unit for flush-mounted casing
Z-51.1-48	Surface-mounted fan

10 Warranty

A two-year warranty is given on the fan unit. The warranty will expire in the following cases:

- Damage caused by the incorrect / improper handling and use or through non-compliance with the installation and operating instructions.
- The use of components or accessories not recommended or approved by the manufacturer.
- Modifications or reconfigurations of the ventilation system
- The use of non-original replacement parts in the ventilation system.
- Damage caused by force majeur or environmental influences.
- Damage caused by chemical or electrochemical effects of liquids or gases.

NATIONAL WARRANTY CONDITIONS APPLY IN COUNTRIES OTHER THAN GERMANY. IN SUCH A CASE, PLEASE CONTACT THE DEALER IN YOUR HOME COUNTRY.

Complaints

Please check the contents of the delivered material in accordance with the delivery note. Also check for any transport damage. Report any missing items to your supplier within four weeks of delivery.

Documentation

The above documentation describes the functionality of the standard configuration. To maintain clarity, we are unable to take account of every possible installation, operating or maintenance configuration. The diagrams in this documentation may deviate slightly from the design of the product you have purchased. Even when this is the case, the functions basically remain the same.

Service

For technical advice, please contact your supplier, dealer or our service staff.

11 Attachment

11.1 Notes

get Air®

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