

Installation and operating instructions



This product is made for inner room air circulation in conformity to the current CE rules:

EN IEC 55014-1:2021

EN IEC 61000-3-2:2019+A1:2021+A2:2024

EN 61000-3-3:2013+A1:2019+A2:2021

EN IEC 55014-2:2021

EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021 + A16:2023 / Part 1: General requirements

EN 60335-2-80:2003 + A1:2004 + A2:2009/ Particular requirements for fan

EN 62233: 2008/ Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure.



URGENT:

Do not use this fan for other applications without our agreement.

Read and follow these instructions carefully to prevent personal injury and property damage. Keep always this instruction booklet.



03.310 / 03.312:

IP54



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General safety - read and follow carefully

Safety warnings according to DIN EN 60335-1.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



Installation safety - read and follow carefully

1. Choice of placement:

- The ceiling structure must be able to support at least 100kg/m² weight.
 - Choose a place where there is no risk for people, animals or objects to get in touch with the rotating fan.
 - The fan must not be installed in an extreme damp room.
 - The fan must not be installed in an extreme dusty room.
 - Do not install the fan near heat sources or in direct sunlight.
 - The fan must not be installed near inflammable or explosive substances or gas.
 - The fan must not be installed near fabrics, foil or similar, which could be unpredictable because of the air flow.
 - Follow the requirements of automatic fire alarm systems.
 - Follow the requirements of infrared heaters regarding the gas exhaust system.
2. **IMPORTANT:** Be sure, that no untrained person and no animal can come near to the fans. Strictly follow the local insurance association for accident prevention.
 3. The installation or repairing must be done by a professional expert corresponding to the local regulations.
 4. **WARNING:** Before install the fan, make sure power is off at the main service panel and secured with a caution label.
 5. Verify that the power supply is compatible with the rating label markings.
 6. The fan must be protected by a certificated switch (VDE) in the building installation, with double terminal and contact opening not lower than 3 mm.
 7. **WARNING:** If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or qualified technician in order to avoid a hazard.
 8. Check while installation if all screws, bolts and attachments are tightened perfectly.



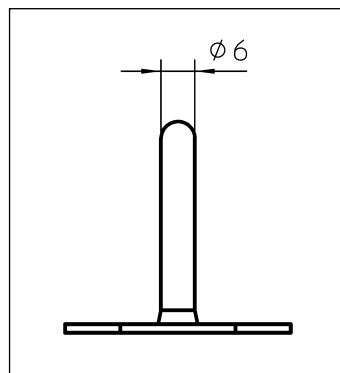
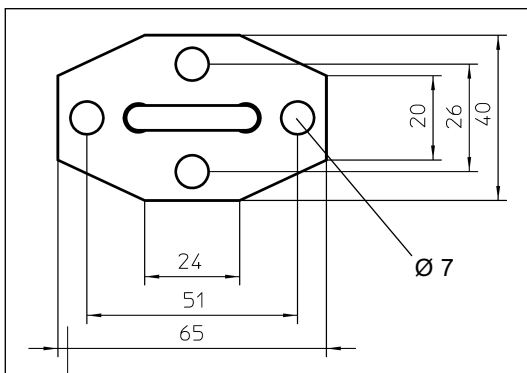
Operational safety - read and follow carefully

1. Do not work near a running fan. Turn power off before.
2. To avoid accidents, do not bend the guard and do not push any object in to the guard.
3. Only one direction of rotation is allowed, this means air movement away from the motor.
4. **WARNING:** If there are any changes in the condition of the fan, such as noises, wobbling, damaged or loose parts, the fan must be switched off immediately and repaired by a professional expert.
5. **IMPORTANT:** In case of permanent shutdown, disable the fan by unplugging the power cord and remove the blades.

Contents of the package

1 pc	fan with guard
3 pcs	ceiling hook
3 pcs	chain with 6 carabiner

Mounting of the three ceiling hooks

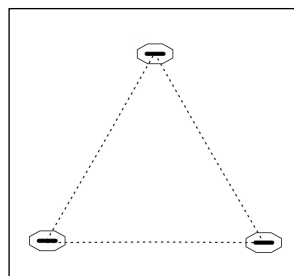


- Imagine a triangle on the ceiling, whose sides are about 130cm (03.310) or about 150cm (03.312) long.

At the three corners are the positions of the three ceiling hooks.

This follows a slant of the chains for stable hanging.

- Mount the ceiling hook, with fastening parts authorized for this kind of ceiling, safety to the ceiling. Make sure the screws are tightened well.



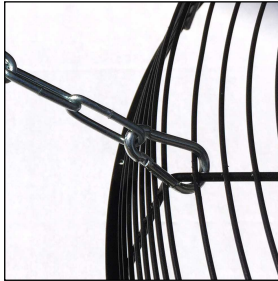
- Each ceiling hook must be immovable, able to support at least 40 kg moving weight and must not gradually loose because of the use of the fan.

Connect the three chains to the guard

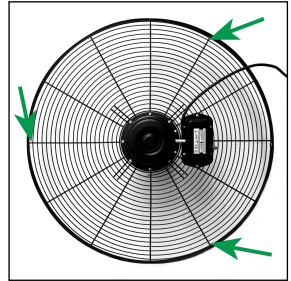
- Place the fan on a soft underlay, so the motor is upside.
- The two guards are joined with seven clamps and one screw. Check all clamps and the screw are well fixed and cannot loose. In case of need make the gap of the clamps smaller.
- Connect the 6 carabiner to the ends of the three chains.



pic. A



pic. B

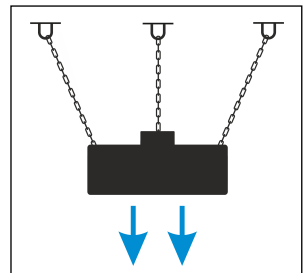


pic. C

- Place the three chains to the guard as follows:
- At the upper edge of the guard (as pic. A).
- **Important:** Place each carabiner around **a horizontal and a vertical guard line** (as pic. B).
- There are 12 vertical guard lines, pointing to the motor (like a watch). Use vertical guard line 1, 5 and 9 (as pic. C).
- **After this no parts of the chain are allowed inside the guard.**

Hang up the fan - vertical airflow

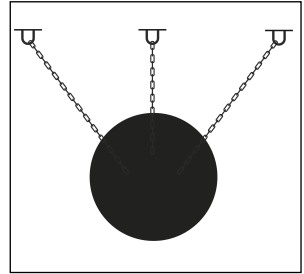
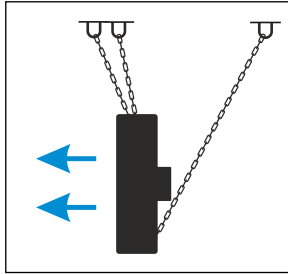
- Connect the fan with the three ceiling chains to the ceiling j-hooks.
- The chains can be cut to minimum 50cm, so the fan comes more near to the ceiling
- Be sure the power cord does not touch the motor or the guard.



Hang up the fan - horizontal airflow

- For horizontal airflow connect two chains near the rings, where the two guards meet. Use vertical guard line 1 and 5 (as pic. C).

- **IMPORTANT:** Place each carabiner around a horizontal and a vertical guard line.



- Connect a third longer chain to the fan back side guard. Choose the length of the third chain and the connecting position to the guard so the fan hangs right and there is no wobble.
- Be sure the power cord does not touch the motor or the guard.

Speed regulator

- The fan can be adjusted and switched off with the 2-stage switch on the back of the device.
- Our 5-step wall controllers are available for remote control. These must be configured internally to a minimum voltage of 110V.
- **IMPORTANT:** If other speed controllers are used without our approval, the guarantee is void and there is no liability for consequences.
- **IMPORTANT:** If an additional controller (authorized for this fan) is used for remote control, the switch on the motor must be set to II (full speed).

Put the fan into operation

- **IMPORTANT:** Before connect the power plug to the socket, make sure power is off at the main service panel. Take care, that the power supply cable is not damaged while installation.
- **IMPORTANT:** Before starting the fan, be sure the installation is complete and everybody leaved the installation construction.

Dust protection and splashing water protection IP54

- For fans certificated with international protection rating IP54:
IPx4 = Splashing water protected (as IP regulations)
IP5x = Dust protected (as IP regulations)
- Please note IP54 is a high protection, but the fan could be damaged, if work on ambient conditions harder than IP54.
- After unqualified intervention, or use not intent to this manual, the IP54 protection is not longer guaranteed.

Troubleshooting

URGENT: Before checking the fan, make sure power is off at the main service panel. Tag it to prevent unexpected power on.

Fan will not start

Suggested remedy:

- Check main and branch circuit fuses or circuit breakers.
- **WARNING:** In case of a start problem never try to find the cause at the fan while power is on.
- Check whether the fan is protected from heat sources or direct sunlight and nothing obstructs the free air flow.
- Check if an additional speed controller is correctly chosen, adjusted and connected. Follow the manual of the additional speed controller.

The fan makes noise

- **URGENT:** For the reason of safety the fan must not be used with unusually noises!

Suggested remedy:

- Check if all chains are fastened and no loose part makes noises.
- Check if the guard and the impeller are well fastened.
- The power supply cord must not in touch with the motor and the safety guard.

Fan wobbles / fan is out of balance

- **URGENT:** For the reason of safety and the risk of material damage the fan must not be used when it is seriously wobbling!

Suggested remedy:

- A little wobbling, especially after starting or after speed changes, is normal.
- Check the blades could be bended for example during the transport.
- Try a change in the length or/and angle of the chains. Shorter chains and higher angle of the chains will minimize wobble.

The performance of the fan decreases

Suggested remedy:

- The capacitor could be damaged (maybe by over voltage or lightning).
- A professional has to check the capacitor and eventually insert a new original capacitor (do not use another brand in any case).
- Check if there is dust on the guard or on the blades and clean it if necessary as described in "Maintenance".

ATTENTION!

- In the following cases, separate the fan immediately from main power supply and inform a professional expert:
 - liquid is in the motor
 - the power supply cord is damaged
 - the fan makes unusual noises or does not work correctly
 - the fan, especially the guard or a fastening is damaged

Technical service: Fenne KG +49 5773 1436. Please call before return.

Maintenance

- **IMPORTANT:** Before maintenance and cleaning the fan, make sure power is off at the main service panel and secure with a caution label. Never stop the blades with hands or objects.
- Check at least once a year, in case of frequent use more often:
 - all connections, bolts and screws are perfectly tight
 - screws and perfect tight of the ceiling hooks
 - blades and guards must be free of dust for maximum air flow
- In case of need use compressed air or a brush or a damp cloth for cleaning. Do not use liquid cleaners or aerosol cleaners. Under no circumstances dip the fan into water or other liquid.
- **IMPORTANT:** While cleaning the blades, be very careful and sure not to bend a blade. Check all guard holder will be fastened well again.

Waste management and environmental protection



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Technical data

Model no.	03.295	03.310	03.312
Color	black	black	black
Voltage	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50 Hz
Input power	280 W	250 W	280 W
Current	1,3 A	1,1 A	1,3 A
Speed 2-way and off	1.350/1.200 rpm	1.365/1.200 rpm	1.350/1.200 rpm
21r volume	21.300 m³/h	15.600 m³/h	21.300 m³/h
Energie efficiency	13,2 W / 1.000 m³/h	16,0 W / 1.000 m³/h	13,2 W / 1.000 m³/h
Vertical performance	20 m	14 m	20 m
Sound pressure 1m side of fan	64 dB(A)	62 dB(A)	64 dB(A)
Motor protection	thermal motor protector	thermal motor protector	thermal motor protector
Weight gross / net	12,0 kg /9,6 kg	12,0 kg /10,2 kg	20,6 kg / 17,9 kg
Diameter	80 cm	69 cm	83,5 cm
Height	19 cm	20 cm	25,5 cm
Carton size	82 x 22,5 x 87,5 cm	70 x 22 x 75 cm	84 x 27 x 90 cm
Protection class	/	IP54	IP54
Certificate	CE	CE	CE
subject to alterations			



Made in PRC

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