

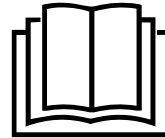
EN

INSTRUCTIONS
FLOOR FAN

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You can download the current version of these instructions via the following link:



TVM 20 D



<https://hub.trotec.com/?id=39593>

TVM 24 D



<https://hub.trotec.com/?id=41288>

Information on the use of these instructions

Symbols



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Notice

This signal word indicates important information (e.g. material damage), but does not indicate hazards.



Info

Information marked with this symbol helps you to carry out your tasks quickly and safely.



Follow the manual

Information marked with this symbol indicates that the instructions must be observed.

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use.



Warning

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

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 done by children without supervision.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in an aggressive atmosphere.
- Place the device in an upright and stable position on a horizontal and stable surface.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover the device during operation.
- Do not sit on the device.

- This appliance is not a toy. Keep away from children and animals.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Check the power cable and mains plug for damage. If you notice damages, do not try to take the device back into operation. Order a new power cable with mains plug from the manufacturer and replace the defective power cable with mains plug with the new one.
Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that there are no loose items or dirt located in the immediate surroundings of air inlet and air outlet.
- When unassembled, do not operate the device and do not connect it to the mains.
- Improper installation can lead to a fire, electric shock or severe personal injury.

Intended use

Only use the devices as floor fans for the ventilation of interior spaces whilst adhering to the technical data.

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

- Do not place the device on wet or flooded ground.
- Do not use the device in dusty surroundings.
- Do not place any objects, e.g. clothing, on the device.
- Do not use outdoors.
- Do not make any unauthorised modifications, alterations or structural changes to the device.

Personnel qualification

People who use this device must:

- be aware of the dangers that occur when working with electric devices in damp areas.
- have read and understood the instructions, especially the Safety chapter.

Residual risks



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning of electrical voltage

Before any work on the device, remove the mains plug from the mains socket!

Do not touch the mains plug with wet or damp hands. Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Risk of suffocation!

Do not leave the packaging lying around. Children may use it as a dangerous toy.

Notice

Do not use abrasive cleaners or solvents to clean the device.

Behaviour in the event of an emergency

1. Switch the device off.
2. Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

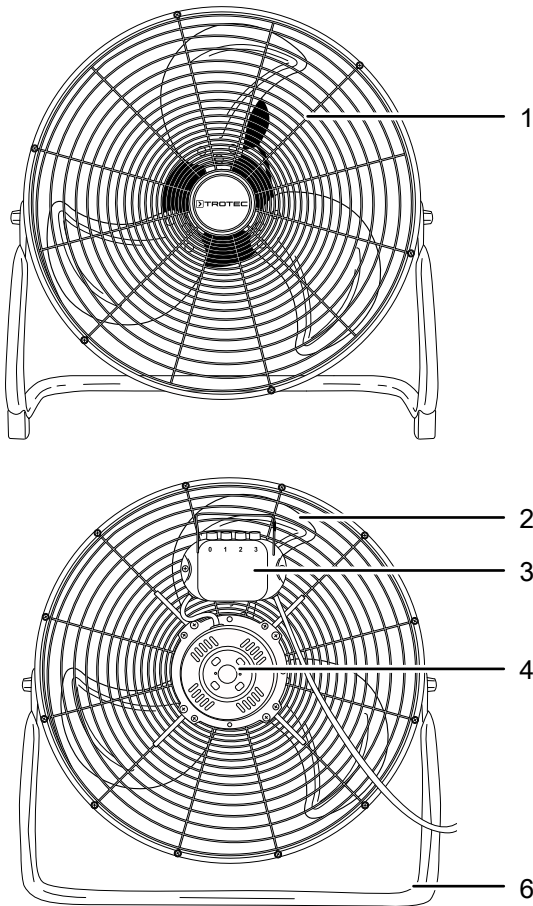
The floor fans of the TVM series are suitable for indoor air circulation.

The devices have the following features:

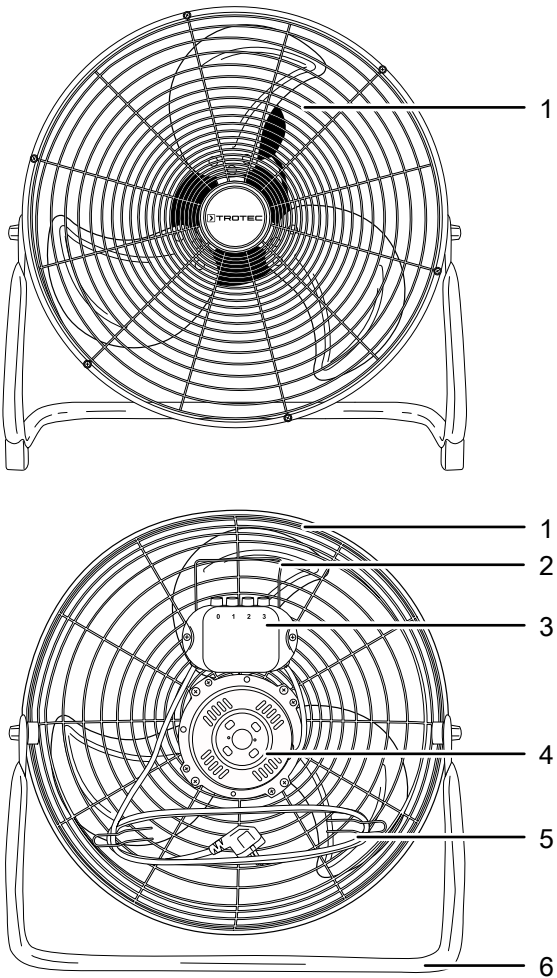
- 3 speed levels
- Inclination angle steplessly adjustable to up to 360° (TVM 20 D) or 135° (TVM 24 D)
- Transport handle for easy transport
- Cable winder (TVM 24 D only)

Device depiction

TVM 20 D



TVM 24 D



No.	Designation
1	Protective grid
2	Transport handle
3	Operating element
4	Motor
5	Cable winder
6	Foot

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

To make the device easier to transport, it is fitted with a transport handle.

Before transporting the device, observe the following:

- Switch the device off.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- Do not use the power cable to drag the device.

After transporting the device, observe the following:

- Set up the device in an upright position after transport.

Storage

Before storing the device, observe the following:

- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

When the device is not being used, observe the following storage conditions:

- Store the device in a dry location and protected from frost and heat.
- If required, use a cover to protect the device from invasive dust.
- Place no further devices or objects on top of the device to prevent it from being damaged.

Assembly and start-up

Scope of delivery

- 1 x Device
- 1 x Manual

Unpacking the device

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

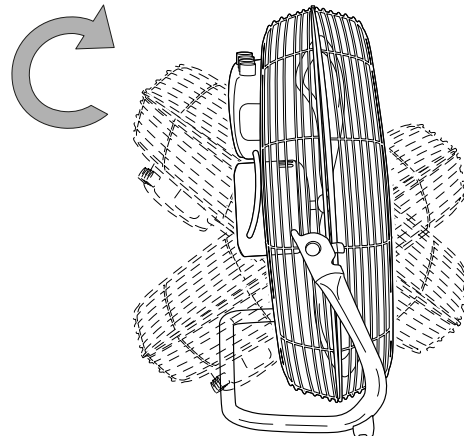
Assembly

The floor fan is supplied completely pre-assembled.

Setting the fan's inclination angle

The fans' inclination angles can be manually adjusted. The fans can be adjusted by up to 360° (TVM 20 D) or 135° (TVM 24 D).

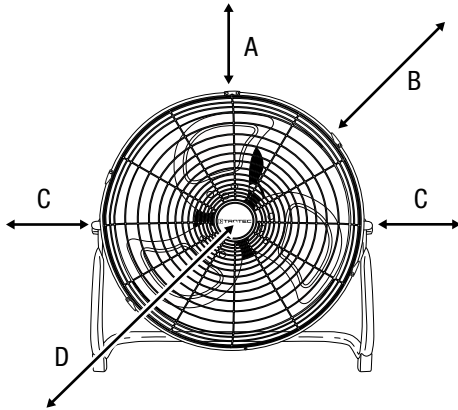
1. Move the fan head forward or back so that it is slightly inclined either to the front or to the rear.
⇒ The fan's inclination angle has been set and the air will flow out at the selected inclination angle.



Start-up

When positioning the device, observe the minimum distance from walls or other objects as described in the chapter Technical annex.

Positioning



Warning

Risk of injury due to incorrect start-up!
There is a risk of injury if the protective grid is not installed correctly around the impeller. Check the connection screws (9) on the protective grid for tight fit before switching on the device.



Warning

Risk of injury if protective grid is removed!
There is a risk of injury if the protective grid is removed during operation. Do not remove the protective grid while the device is in operation!

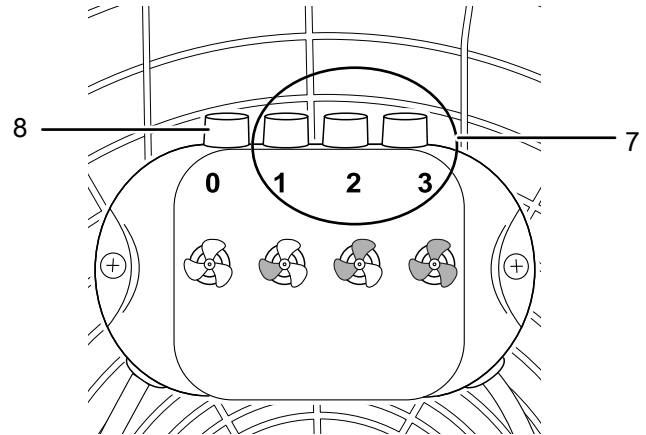
- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Set the device up in an upright and stable position.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- Make sure that no curtains or other objects interfere with the air flow.

Connecting the power cable

- Connect the mains plug to a properly secured socket.

Operation

Operating elements



No.	Designation	Meaning
7	Fan stage buttons 1 2 3	Setting the fan speed: Stage 1 = low Stage 2 = medium Stage 3 = high
8	0 button	Switching the device off

Switching the device on

Once you have completely installed the device as described in the chapter Assembly and start-up, you can switch it on.

1. Press one of the *fan stage* buttons (7).
⇒ The device switches over to the selected fan stage.

Shutdown



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device by pressing the 0 button (8).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- If required, clean the device according to the "Maintenance" chapter.
- Store the device according to the Transport and storage chapter.

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage.
- Check the on-site fusing.

The fan does not start:

- Check whether the unit is switched on.
- Check the power supply and whether the plug or cable is defective.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.
- Check whether the device is mounted correctly.

The device still does not operate correctly after these checks:

Please contact the customer service. If necessary, bring the device to an authorised specialist electrical company or to the manufacturer for repair.

Maintenance

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device by pressing the 0 button (8).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

Cleaning the housing

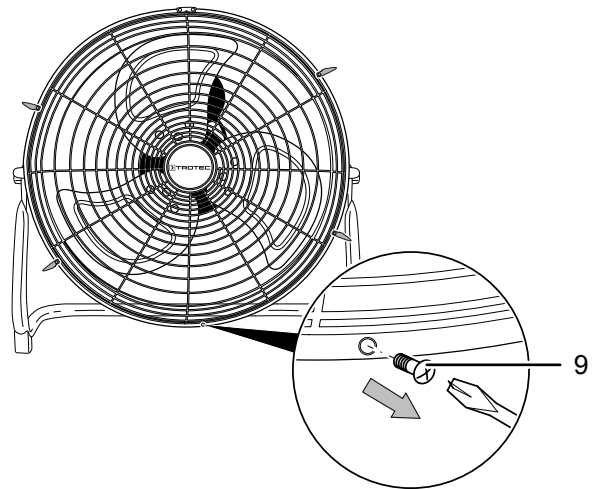
Clean the housing with a soft, damp and lint-free cloth. Make sure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Removing the protective grid for cleaning

To be able to clean the fan blades as described in the Maintenance chapter, remove the connection screw (9) as described below.

- ✓ The device is switched off.
- ✓ The power cable has been removed from the mains socket.

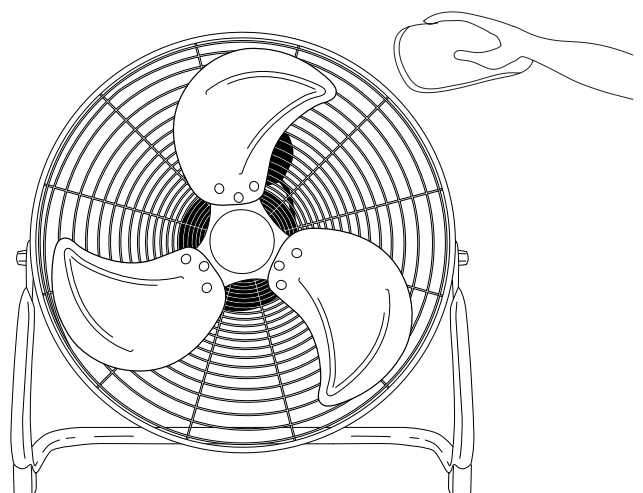
1. Unscrew the connection screw (9) below the protective grid (1).



2. To reinstall the protective grid after cleaning, screw in the connection screw (9).

Cleaning the fan blades

- ✓ The device is switched off.
 - ✓ The power cable has been removed from the mains socket.
1. Remove the protective grid following the instructions above.
 2. Clean the fan blades with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.



- Other than that, the device does not require maintenance.

Technical annex

Technical data

Model:	TVM 20 D	TVM 24 D
Fan stages:	3	3
Air velocity:	4.25 m/s	3.32 m/s
Input voltage:	220 – 240 V / 50 Hz	220 – 240 V / 50 Hz
Power input:	120 W	124 W
Length of the power cable:	1.5 m	1.5 m
Adjustable inclination angle:	360°	135°
Sound pressure level (at 1 m distance, stage 3):	65 dB(A)	72.4 dB(A)
Fan blade diameter:	50 cm	60 cm
Dimensions (length x width x height):	205 x 585 x 575 mm	200 x 720 x 685 mm
Weight:	5 kg	9 kg
Minimum distance to walls and other objects:	top (A): 30 cm rear (B): 30 cm sides (C): 30 cm front (D): 30 cm	

Information requirements for comfort fans according to Regulation (EU) No 206/2012:

TVM 20 D

Parameter	Symbol	Value	Unit
Maximum fan flow rate	F	174.53	m ³ /min
Fan power input	P	116.78	W
Service value	SV	1.49	(m ³ /min)/W
Standby mode power consumption	P _{SB}	0.00	W
Fan sound power level	L _{WA}	67.52	dB(A)
Maximum air velocity	c	4.06	m/s
Measurement standard for service value	EN IEC 60879:2019 / EN 50564:2011		
Contact details for obtaining more information	Trotec GmbH · Grebbener Straße 7 · 52525 Heinsberg · Germany online@trotec.com · www.trotec.com		

TVM 24 D

Parameter	Symbol	Value	Unit
Maximum fan flow rate	F	111.72	m ³ /min
Fan power input	P	119.1	W
Service value	SV	0.94	(m ³ /min)/W
Standby mode power consumption	P _{SB}	0.00	W
Fan sound power level	L _{WA}	73.5	dB(A)
Maximum air velocity	c	3.381	m/s
Measurement standard for service value	EN IEC 60879:2019 / EN 50564:2011		
Contact details for obtaining more information	Trotec GmbH · Grebbener Straße 7 · 52525 Heinsberg · Germany online@trotec.com · www.trotec.com		

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



The icon with the crossed-out wheeled bin indicates that this device and any associated components must not be disposed of with household waste at the end of their life, in accordance with the Waste Electrical and Electronic Equipment Directive (2012/19/EU) and national laws.

You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. You can also find out about other return options that apply for many EU countries on the website <https://hub.trotec.com/?id=45090>. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

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