TTV 1000 S / TTV 2500 S

EN

OPERATING MANUAL
CONVEYING FAN

TROTEC
AT WORK.

TRT-BA-TTV1000S_2500S-TC-001-EN

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Notes regarding the operating manual

Symbols

Hazardous electric current!
Warns about hazards from electric current which can lead to injuries or even death.

Danger!
Warns of a hazard which can lead to personal injury.

Caution!
Warns of a hazard which can lead to damage to property.

Wear hearing protection!
Indicates the activities during which hearing protection is to be worn.

The current version of the operating manual can be found at:

TTV 1000 S

http://download.trotec.com/?sku=1510000005&id=1

TTV 2500 S

http://download.trotec.com/?sku=1510000008&id=1

Legal notice

Warranty and liability

Damages caused by incorrect use by untrained people or start-up by unauthorised people are excluded from the warranty. The device complies with the fundamental health and safety requirements of the applicable EU regulations and was tested at the factory for perfect functionality multiple times. However, if faults in the functionality occur and cannot be remedied with the measures in the chapter Errors and faults, please get in touch with your dealer or distributor.
Subject to changes to technical design and model changes as part of constant development and product improvement without prior notice. No liability is accepted for damages resulting from improper use. In such cases, entitlements to a warranty are then also forfeited.

Safety

Carefully read the operating manual before using the device and keep it within reach!

Danger!

Improper handling can lead to injuries due to parts being whirled up.

- Do not use the device in potentially explosive rooms and do not install it there.
- Do not use the device in aggressive atmosphere.
- Set the device in an upright and stable position.
- Ensure that the air inlet and outlet are not obstructed.
- Ensure that the side of the device where the air inlet is found is kept free of dirt and loose objects.
- Never reach or put objects into the device.
- Do not transport the device during operation.
- Ensure that all electric cables outside of the device are protected from damage (e.g. from animals). Never use the device if the cable or power connection is damaged!
- Only use extensions to the connecting cable which are appropriate to the device power consumption, the length of its cable and its use. Completely unroll extension cables. Avoid electrical overload.
- Never point the switched-on device at people or animals.
- Protect yourself and your environment from whirled up parts.
- Unplug the device from the mains before starting with maintenance, service or repair work.

Intended use

The conveying fan TTV 1000 S / TTV 2500 S may be used for aeration, deaeration, air circulation, dust collection or air transport whilst adhering to the technical data and the safety instructions.
The device is designed for aeration and deaeration tasks, for the generation of a high air exchange rate even in shafts and ducts and over long distances.

Improper use

The conveying fan TTV 1000 S / TTV 2500 S is not suited for installation in fluids or on flooded or boggy grounds.
Any unauthorised changes, modifications or alterations to the device are forbidden.

Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when using conveying fans.
- have read and understood the operating manual, especially the Safety chapter.

Personal protective equipment

Wear hearing protection!

Wear hearing protection when spending a longer period of time in the vicinity of the device.

Residual risks

Hazardous electric voltage!

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

Hazardous electric voltage!

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

Danger due to strong air current!

Risk of injury from parts being whirled up.
Before switching the device on, make sure that there are no loose parts located near air inlet or outlet!

Draw-in and entanglement hazard of loose parts!

Keep a minimum distance of 3 m to the suction side of the device!

Danger!

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

Behaviour in the event of an emergency

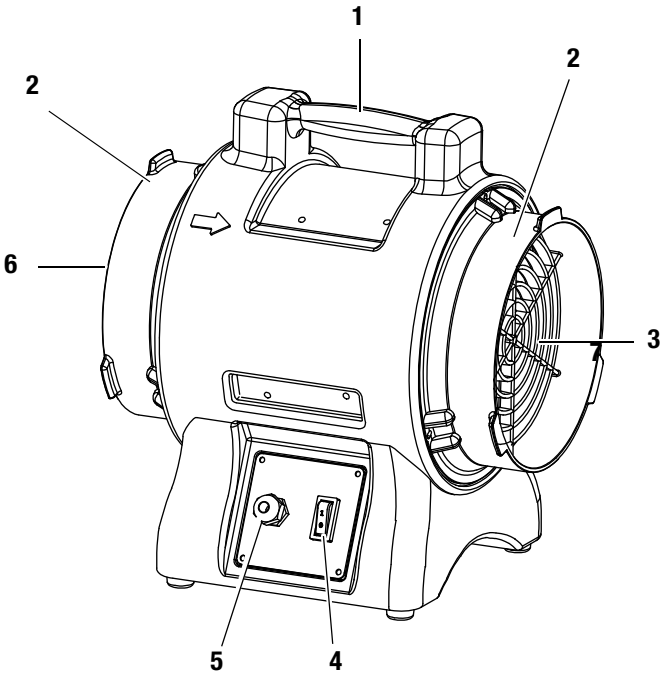
1. Press the main switch to switch off the device immediately.
2. Remove persons from the danger area.
3. Disconnect the device from the electric circuit.
4. Do not reconnect a defective device to the mains power.

Information about the device

The conveying fan TTV 1000 S / TTV 2500 S was designed for a high air flow.
The high air volume flow and a variety of configuration options enable its flexible application ranging from humidity regulation to the transport of fresh air or exhaust air over longer distances.

The device is equipped with bilateral hose connectors allowing to connect, for instance, an air transport hose to the air inlet and a dust bag to the air outlet.
When the device is not in use, the cable can be wound around the hose connection. The fan can be used in combination with other devices. These can also be stacked on top of one another for storage.

Device depiction



No.	Designation
1	transport handle
2	connector for air hose (optional)
3	air outlet
4	on/off switch
5	mains power cable with Schuko plug CEE 7/7
6	air inlet

Storage

Storage

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

- in dry surroundings,
- protected from dust and direct sunlight,
- with a plastic cover to protect it from invasive dust, if necessary.

Start-up

1. Take the device out of the cardboard box and remove the plastic packaging.
2. Assemble the device according to the desired area of application along with other devices or accessories.
   – Always use a tension belt to connect hoses or dust bags.
3. Set the device in an upright and stable position.
4. Unwind the electric cable and connect the plug to a properly fused socket.
   – The fan is now ready for operation.

Operation

Switching the device on

- Use the on/off switch (4) to switch the device on.

Shutdown

1. Switch off the device.
2. Pull the plug from the mains socket.
3. Clean the device according to chapter Maintenance.
4. Store the device according to chapter Storage.

Errors and faults

The accurate functionality of the device was tested during production a number of times. However, if functionality faults do occur, then check the device according to the following list.

The device is not running:

- Check whether the device is switched on.
- Check the power supply.
- Check cable and power plug for defects.

The fan operates only for a brief period, then switches off automatically:

- Check whether the protective grid is blocked and clean it if required.
- The motor bearing or cable connections are defective. If so, contact your dealer.

Your device still does not operate correctly after these checks?

Bring the device to a specialist company or to Trotec for repairs.

Maintenance

Activities required before starting maintenance

- Before any work, detach the mains plug!

Maintenance tasks which require the housing to be opened must only be carried out by Trotec

- Always pull the plug before starting any care or maintenance work.
- Regularly check the housing for its perfect condition or for defects.
- Always be mindful of atypical sounds and consult a specialist dealer if in doubt.
- Keep the fan clean.
- You can use a compressor to remove particles, lint, dust and dirt from motor, fan wheel and protective grid. Do not in any event use a high-pressure cleaner to clean the fan.
- Maintenance and repair work may only be carried out by Trotec.

Disposal

In the European Union, electronic equipment must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2002/96/EC of the European Parliament and Council of 27th January 2003 concerning old electrical and electronic equipment. At the end of its life, please dispose of this device according to the valid legal requirements.

Technical annex

Technical data

Parameter	Value	
Model	TTV 1000 S	TTV 2500 S
Amount of air	600 m^3/h	2500 m^3/h
Air pressure	100 Pa	275 Pa
Voltage	230 V / 50 Hz	230 V / 50 Hz
Power input	0.37 kW	0.88 kW
Transport medium temperature	max. 40 °C	max. 40 °C
Hose connector	200 mm	300 mm
Max. hose length	15 m	38 m
Noise level (distance 3 m)	71 dB(A)	79 dB(A)
Dimensions (height x width x depth)	340 x 250 x 380 (mm)	490 x 380 x 530 (mm)
Weight	7.5 kg	14 kg
Mobility	portable	portable

Declaration of conformity (translation of the original)

TROTEC CE

EC Declaration of Conformity

in accordance with EC Machinery Directive 2006/42/EC

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herewith declares that due to their design and construction, and in the version introduced by us, the following machines conform with the relevant fundamental requirements of the listed EC directives.

Important note:
In case of improper use, installation, maintenance etc. or unauthorized changes of the factory-supplied device version, this declaration loses its legal validity.

Device version:	Conveying fan	
Series:	**TTV 1000 S / TTV 2500 S**	
Year of manufacture:	as of 2011	
Applicable regulations:	2006/42/EC 2006/95/EC 2004/108/EC	Machinery Directive Low Voltage Directive EMC Directive
Applied harmonised standards:	IEC 60335-1:2002 + A1: 2004 + A2: 2006 IEC 60335-2-80: 2002 + A1: 2004 + A2: 2008 EN 55014-1:2006+A1:2009+A2:2011 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2013 EN 55014-2:1997+A1:2001+A2:2008 EN 61000-4-2:2009, EN 61000-4-4:2012 EN 61000-4-5:2006, EN 61000-4-6:2014 EN 61000-4-11:2004	

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