

## VENTS TT 150

# VENTS Extractor TT 150 (405-520m3/h) User Manual

Model: TT 150

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your VENTS Extractor TT 150. The TT 150 is a mixed-flow inline extractor fan designed for ventilation systems, offering two speed settings for flexible airflow control. It is suitable for various applications requiring efficient air extraction or intake, such as hydroponic grow tents.

Please read these instructions carefully before installation and use, and retain them for future reference.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury and damage to the unit:

- Ensure the power supply matches the voltage specified on the product label (230 Volts).
- Disconnect the power supply before performing any installation, maintenance, or cleaning.
- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Do not operate the fan with a damaged power cord or plug.
- Keep hands and foreign objects away from the fan blades during operation.
- Do not use the fan in environments with explosive or flammable gases.
- Ensure proper ventilation around the fan to prevent overheating.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged:

- 1 x VENTS Extractor TT 150 (405-520m3/h)
- Instruction Manual (this document)



Image 1: Main view of the VENTS Extractor TT 150. This image shows the complete inline fan unit, highlighting its compact design and the VENTS branding.

## 4. SETUP AND INSTALLATION

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The VENTS Extractor TT 150 is designed for inline mounting within ducting systems or wall mounting. Ensure the installation location is stable and can support the weight of the unit (approximately 3.1 kg).

### 4.1 Mounting

The fan can be mounted directly into a ventilation duct or secured to a wall using appropriate fasteners (not included). The unit features an adjustable height capability, which refers to the flexibility in positioning the fan within your ventilation setup.

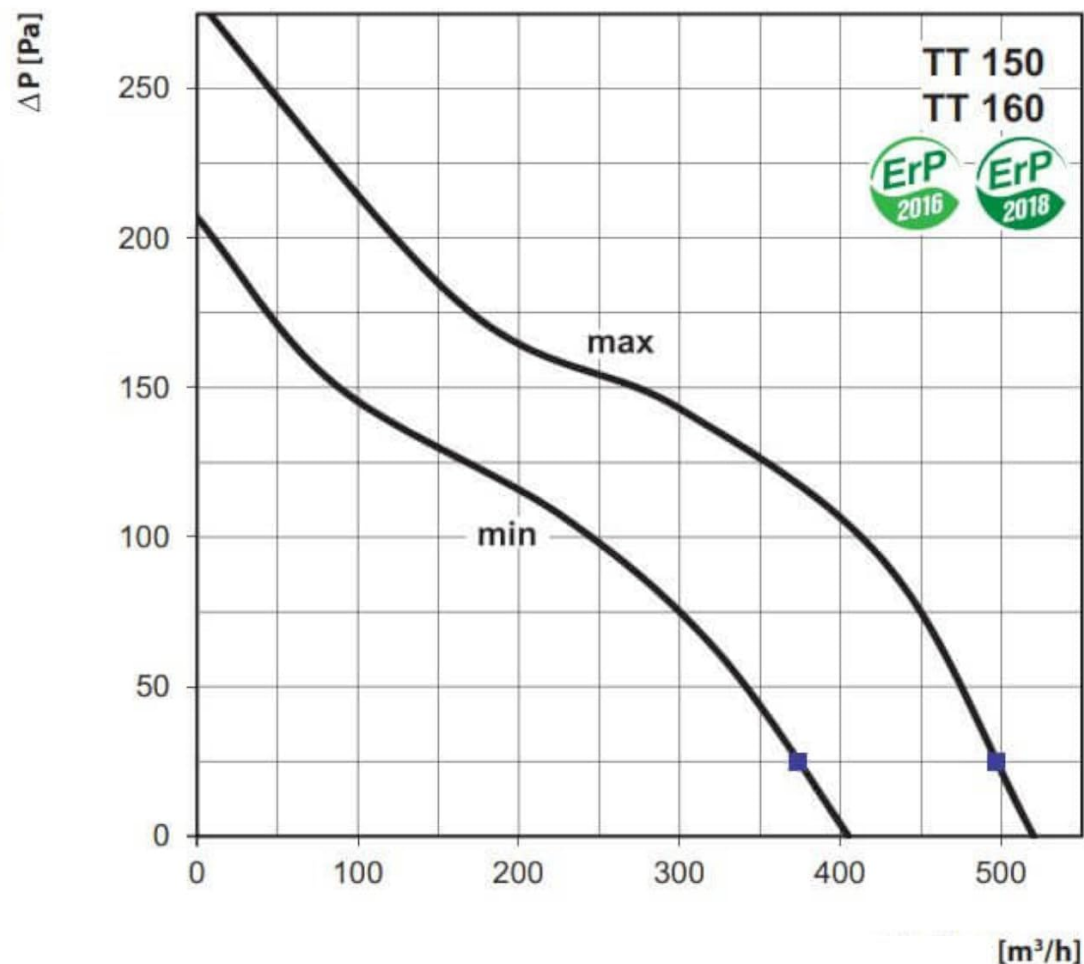


Image 2: Side view of the VENTS Extractor TT 150, illustrating the mounting brackets and overall structure for installation within a ducting system.

## 4.2 Electrical Connection

Connect the fan to a 230 Volt electrical supply using a suitable cable. Ensure all connections are secure and insulated. The fan operates with a power consumption of 60 watts.

- Consult a qualified electrician for wiring if you are unsure.
- Ensure the power is off at the main circuit breaker before making any electrical connections.

## 5. OPERATING INSTRUCTIONS

The VENTS Extractor TT 150 features two speed settings to adjust the airflow according to your requirements. The fan is controlled via an external switch (not included) that allows selection between the two speeds.

### 5.1 Speed Selection

Refer to the wiring diagram provided with your unit for connecting the speed selector switch. The two speeds correspond to different airflow rates, typically ranging from 405 m³/h to 520 m³/h.



Image 3: Performance curve for the VENTS Extractor TT 150. This graph illustrates the relationship between static pressure ( $\Delta P$  in Pa) and airflow (m³/h) for both minimum (min) and maximum (max) speed settings, indicating the fan's operational range.

## 5.2 Airflow Direction

Ensure the fan is installed with the correct airflow direction for your application. An arrow on the fan casing typically indicates the direction of airflow.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your VENTS Extractor TT 150.

- **Cleaning:** Periodically clean the fan blades and housing to remove dust and debris. Disconnect power before cleaning. Use a soft, damp cloth; do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the fan for any signs of wear, damage, or loose connections.
- **Lubrication:** The fan motor is typically sealed and does not require lubrication. Do not attempt to lubricate internal components.

## 7. TROUBLESHOOTING

If you encounter issues with your VENTS Extractor TT 150, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan does not start	No power supply Faulty wiring Motor malfunction	Check power connection and circuit breaker Verify wiring connections (consult electrician) Contact support if motor is faulty
Reduced airflow	Blocked ducts Dirty fan blades Incorrect speed setting	Inspect and clear ducts Clean fan blades (disconnect power first) Ensure correct speed is selected
Excessive noise or vibration	Loose mounting Debris in fan Damaged blades	Tighten mounting screws Clean fan of any foreign objects Inspect blades for damage; contact support if damaged

If the problem persists after attempting these solutions, please contact VENTS customer support or your retailer.

## 8. SPECIFICATIONS

Feature	Specification
Brand	VENTS
Model Number	TT 150
Manufacturer ID	5077
Dimensions (L x W x H)	31.4 x 30 x 24.8 cm
Weight	3.1 kg
Power Source	Electric Cable
Voltage	230 Volts

Feature	Specification
Power Consumption	60 Watts
Airflow Rate	405-520 m³/h (2 speeds)
Sound Level	44 Decibels
Efficiency Class	A
European Energy Efficiency Class	A+ to G
Speed Settings	2 RPM (interpreted as 2 speed settings)
Special Features	Adjustable height (for mounting flexibility)
Material	Plastic
Installation Method	Wall Mount, Inline Mount

## 9. WARRANTY AND SUPPORT

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For warranty information, please refer to the terms and conditions provided by your retailer or contact VENTS customer service directly. Keep your proof of purchase for any warranty claims.

If you require technical assistance or have questions not covered in this manual, please contact the seller or the manufacturer's support channels.