



PPV BATTERY VENTILATOR PH-VP bat 450

instructions for use
operating instructions



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The design of the product complies with the requirements of Act No. 22/1997 Coll.

The manufacturer reserves the right to make technical changes and innovations to the product, which do not affect the function of the device against the text and image information provided in this user manual, without prior notice and without incurring any obligations.

NOTICE

The user is obliged to familiarize himself with this manual and observe all instructions for operating the device, so as not to endanger the health and property of the user, as well as other persons. The safety instructions given in this manual do not describe all possibilities, conditions and situations that may occur in practice.

Only a mentally and physically healthy person over the age of 18 may work with this device.

The manufacturer is not responsible for damages caused by unauthorized use, improper operation and for damages caused by any modification of the device without manufacturer's consent.

In the case of professional use of the equipment, the owner is obliged to provide the operator with training on work safety and to conduct an instruction on how to operate the equipment.

If you do not understand some of the information in the manual, contact the manufacturer directly. The address and connection is given on the title page of this manual.

The instruction manual provided with this device is an integral part of the device and must be available at all times. When selling the device to another person, the user manual must be handed over to the new owner.

When working, it is especially necessary to follow the safety instructions in order to avoid the risk of injury to yourself or people in the vicinity.

Carefully familiarize yourself with the attached Briggs & Stratton 82 Li series engine operating instructions.

INTRODUCTION

Dear customer!

By purchasing this device, you have become the owner of one part of the wide range of Pavliš products and Hartmann s.r.o

Please read this operating manual and the engine operating and maintenance manual thoroughly

Briggs and Stratton 82 Li series engine. If you follow the given instructions, you will equipment to serve reliably for many years.

When sold, the device is ready for immediate operation - it is equipped with operating cartridges and tested.

SAFETY REGULATIONS

Safety regulations and warnings for engine operation are given in the separate engine instruction manual. It is included with the device.

- The operator of the device must be over 18 years old.
- Do not leave the device running unattended.
- It is forbidden to remove covers and protective devices.
- Make sure that no foreign bodies, stones, parts of debris, etc. are sucked into the fan.
- When cleaning or adjusting the device, turn off the engine, remove the battery, or remove the safety ignition key.
- It is forbidden to insert fingers into the rotor grid (HAZARD OF INJURY).
- Use only original spare parts approved by the manufacturer.

TECHNICAL DESCRIPTION

Tech specs: engine:	Briggs & Stratton 82 Li series
rotor:	Positive pressure, Multi-Wing
rotor cover:	Steel diffuser + grill
Frame:	Aluminium

Description:

Compact, portable and easy-to-operate turbofan. Power unit – Briggs and Stratton 82 Li series battery engine with a power of 1.5 kW. The fan rotor is firmly connected to the motor in one unit, it is protected by a metal cover with a grill.

The frame of the fan is welded from aluminum tubes provided with powder coating, stably set on rubber feet. The device is equipped with a fixed handle, which is used to carry and adjust the angle for air flow. The fan with a capacity of 6,260 m³/h is equipped with a battery and a charging source. The fan with a capacity of 9,710 m³/h is equipped with a battery, a charging source and one spare battery.

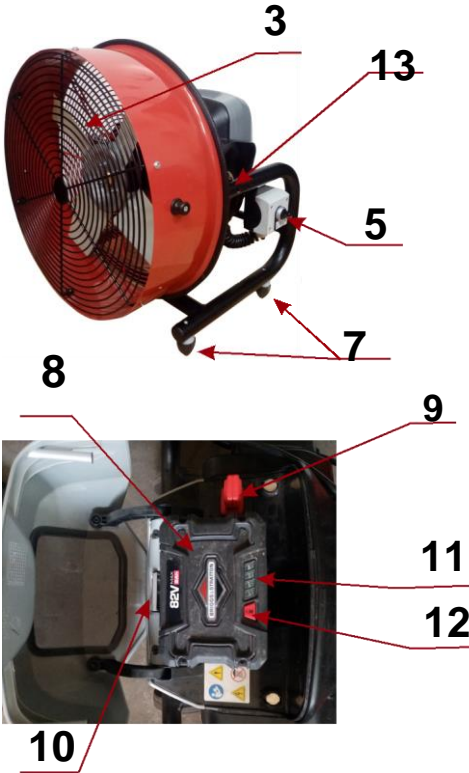
TECHNICAL DATA OF THE BATTERY FAN

PROPELLER TYPE 4 BLADE

- Nominal output: 6,260 m³/hour
- Engine: Briggs & Stratton 82 Li series
- Engine power: 1.5 kW/1.95 HP
- Rotor: positive pressure, 4 blades, diameter 450 mm
- Air speed: 34.56 km/h
- Turbine inclination angle: adjustable 0-18°
- Device dimensions (LxWxH): 500x525x550 mm
- Weight with battery: 16.9 kg
- Weight without battery: 14.4 kg

PROPELLER TYPE 3 BLADE

- Nominal output: 9,710 m³/hour
- Engine: Briggs & Stratton 82 Li series
- Engine power: 1.5 kW/1.95 HP
- Rotor: positive pressure, 3 blades, diameter 450 mm
- Air speed: 53.64 km/h
- Turbine inclination angle: adjustable 0-18°
- Device dimensions (LxWxH): 500x525x550 mm
- Weight with battery: 16.6 kg
- Weight without battery: 14.1 kg



- | | |
|---|---|
| 1 Aluminium frame | 8 Battery |
| 2 Briggs & Stratton 82 Li series engine | 9 Security key |
| 3 Rotor with cover | 10 Battery latch |
| 4 Handrail | 11 Battery charge indicator lights |
| 5 Main switch | 12 A switch to detect the battery charge status |
| 6 Opening battery cover | 13 Locking pin to secure the fan tilt angle |
| 7 Support legs | 14 Engine cover |

USE

The compact, portable and easy-to-operate overpressure fan PH-VP bat 450 is intended for quick ventilation of smoky spaces in the event of a fire by means of overpressure - positive ventilation. Its use facilitates intervention in densely smoky buildings and reduces the concentration of harmful and explosive gases.

The overpressure fan works on the principle of creating positive pressure in buildings in a mechanical way using a rotor-turbine that produces a strong and directional air stream used for ventilation of the space.

It is intended to fight against smoke, gases, high temperatures.

WARNINGS FOR USE OF THE DEVICE

The equipment must be inspected before each commissioning.

Installation of this fan is very simple.

As a rule, it is placed in front of the entrances to buildings, a ventilation hole must be provided.

May be placed in enclosed spaces.

It must not be used in places with a risk of explosion.

A quick shutdown of the device in case of danger is performed by turning the switch to the "O" (OFF) position.

The device may only be moved when it is at rest/OFF position.

In case of equipment fire, use a snow or powder fire extinguisher.

In case of splashing water or rain, use the manufacturer's motor protection cover.

PREPARATION, COMMISSIONING AND OPERATION OF THE EQUIPMENT

1. Check that the battery is fully charged.
2. Place the fan on a flat and non-slip surface and check that there are no foreign bodies, stones, pieces of debris, etc. on the air supply to the fan.
3. Turn the main switch from O (off) to I (on) to start the engine.
4. During operation, monitor the air flow so that it penetrates without obstacles inside the building and make sure that the intake grille is not clogged with foreign objects.
5. Stop the device by switching the button to the "O" (OFF) position.

INSERTING AND REMOVING THE BATTERY

Inserting the battery into the engine: Unfold the battery cover (pos. 6). Inserting the battery connects the connectors (pos. 8). By slightly pressing down, the latch against battery ejection (pos. 10) snaps into place. Close the battery cover.

Removing the battery: Open the battery cover by pulling it (pos. 6). slightly press the battery downwards and press the latch (pos. 10) towards the battery. Then release the battery and take it out.

MAINTENANCE

The fan is not disassembled during maintenance.

Clean the protective grid, rotor and cover only with ecological cleaning agents.

Regularly check the rubber feet of the frame.

Regularly check the tightening of the screws.

Perform engine and battery maintenance according to the engine and battery manual.

STORAGE

Before storing, clean the device of dirt.

When washing and cleaning the equipment with solvents or other chemical substances, follow the applicable laws and provisions on the protection of the environment, watercourses and water sources from their pollution.

Store the device in dry places and always in a horizontal position.

Protect from the elements.

Prevent access and manipulation by unauthorized persons.

Always have a fully charged battery if longer storage is expected.

DEFECTS, THEIR CAUSES AND REMEDIES

1. Engine faults and instructions for their elimination are given in the B&S engine manual.
2. Before handling the device, it is necessary to remove the battery or remove the safety key for safety reasons.
3. If the fan does not work, consult the experts at Pavliš and Hartmann service.

DELIVERY

The device is delivered assembled, tested.

The delivery includes an operating manual and a warranty card. The fan with a capacity of 6,260 m³/h is equipped with a battery and a charging source.

The fan with a capacity of 9,710 m³/h is equipped with a battery, a charging source and one spare battery.

DISPOSAL

At the end of the device's useful life, have the positive pressure fan disposed of by a specialist company.

WARRANTY CONDITIONS

For the supplied device, the manufacturer is responsible for the design, function, quality and completeness of the device only under the condition that the device has been handled according to the operating instructions, which are an integral part of every device.

The warranty does not cover defects caused by normal wear and tear, improper storage or unprofessional handling, or damage caused by the customer or a third party. The warranty expires if the device crashes, which was not caused by a defect caused by the manufacturer, or by any intervention in the design of the device without the manufacturer's consent.

The warranty for the complete device is 24 months from the date of sale and is applicable at Pavliš and Hartmann.