

# USER MANUAL



**VENTILATOR ADAMIK  
VAN 531 and VAN 535**



# CONTENT

1. IDENTIFICATION DETAILS.....	4
2. PREFACE.....	4
3. TECHNICAL SPECIFICATION .....	5
4. SAFETY INSTRUCTIONS .....	7
5. INSTALLATION AND OPERATION .....	8
5.1 INSTALLATION INSTRUCTIONS .....	8
5.2 CHECKING THE DEVICE BEFORE STARTING .....	8
5.3 PROHIBITED ACTIVITIES WITH EQUIPMENT .....	8
5.4 ELECTRICAL INSTALLATION AND STORAGE CONDITIONS .....	9
5.4.1 Connection to the power supply network .....	9
5.4.2 Machine tests.....	9
5.4.3 Safety of work with electrical equipment .....	9
5.5 FIRE SAFETY .....	11
5.6 SMOKING, WELDING OR USE OF OPEN FIRE .....	11
5.7 MACHINE OPERATOR.....	12
5.8 MAINTENANCE AND ADJUSTMENT.....	12
5.9 OPERATION .....	12
5.10 SERVICE.....	12
5.11 DISPOSAL OF PRODUCTS AND PARTS THEREOF .....	12
5.12 SAFETY PICTOGRAMS USED ON THE MACHINE.....	13
6. WARRANTY .....	13
6.1 RESPONSIBILITY FOR DEFECTS.....	13
6.2 VOLUNTARY ADDITIONAL WARRANTY.....	14
6.3 EXCLUSIONS FROM RESPONSIBILITY FOR DEFECTS AND WARRANTY .....	14

# 1. IDENTIFICATION DETAILS



ADAMIK Company, s.r.o.  
Mitrovická 804  
739 21 Paskov  
VAT EU: CZ26845318

## 2. PREFACE

Dear customers,

Thank you for purchasing this product.

This User manual contains the technical data of the machine and instructions for its setting up and transport, information concerning the operation and commissioning of the machine.

However, the manual would not fulfill its mission if those who will operate and maintain the machine were not acquainted with its contents. It is the responsibility of the user and operator to familiarize themselves properly with the operating instructions before starting work. It contains important information on work safety, maintenance and must be considered as part of the equipment; (With regard to the operation of the machine or equipment, the user provides training, including regular training of the operator). Fault-free, safe operation of the machine and its service life depend to a large extent on its correct and careful maintenance.

Operations personnel should fully understand and be familiar with the information contained in all sections of this manual. The safety precautions for each chapter are especially important, and we also list the general safety precautions recommended when operating this machine.

If you do not understand some of the information in the manual, contact the machine manufacturer. We recommend that you make a copy of the "Instructions for Use" after completing the purchase details of the machine and keep the original carefully in case of loss or damage.

When working, follow the safety instructions to avoid the risk of injury to yourself, people around you or the destruction of tangible property or damage to the environment.

### 3. TECHNICAL SPECIFICATION

VAN 531 and VAN 535 low-pressure radial fans are single-sided extraction fans with direct drive by flange or foot electric motors of the SIEMENS brand. The fans are designed for the transport of air, gases and vapors without mechanical impurities and abrasive additives, aggressive substances, fibrous or sticky particles. They are designed for operation in ambient temperatures from -30 °C to +40 °C. None of the manufactured fans is gas-tight.

Radial fans are made of steel-sheet construction. The fan housing is made of galvanized sheet metal. The fan impeller is welded from black sheet metal and galvanized. The fan housing can also be made of stainless steel.

All fans are manufactured in a non-explosive environment. However, it is also possible to produce them for use in an environment with a risk of explosion Ex-Zone 2 - according to ČSN EN 60079-14 and their drive consists of an electric motor in a secured design Ex II 3/3 GcT3. All metal parts are conductively interconnected. The clearance between the static and rotating parts is at least 1 % of the contact diameter. The balancing bodies are welded. The impeller is secured to the shaft of the electric motor by a washer with a nose. All screw connections inside the fan are secured against loosening and non-sparking materials are used.

Fans designed for Ex-Zone 2 explosive environments cannot be controlled by a speed controller. The use of a frequency converter to regulate the fan power is only permitted to reduce the speed of the electric motor, up to a maximum of half its nominal value.

Use in any way other than specified by the manufacturer is contrary to the purpose of the machine! This machine must only be operated by persons who are well acquainted with its features and are familiar with the relevant regulations for its operation. Any unauthorized changes made to this machine without permission of the manufacturer release the manufacturer from liability for consequential damage or injury! If the nature of the machine allows its use for other purposes that are not listed in its designation or prohibited activities, the user is obliged (if he wants to perform this activity) to consult with the manufacturer.

When working, follow the safety instructions to avoid the risk of injury to yourself or others around you. These instructions are marked in the operating instructions with the following safety alert symbol:



*When you see this symbol in the User manual, read the following message carefully!*

	<b>Unit</b>	<b>VAN 531</b>	<b>VAN 535</b>
Motor power	kW	1,5	2,2
Suction capacity (max)	m <sup>3</sup> /h	6 480	8 280
Inlet underpressure (max)	Pa	500	80
Voltage	V	400	400
Inlet	mm	315	355
Noise	dB	-	-
Height	mm	615	615
Width	mm	560	590
Length	mm	540	540
Weight	kg	61	61

	<b>Unit</b>	<b>VAN 531 Ex</b>	<b>VAN 535 Ex</b>
Motor power	kW	1,5	2,2
Suction capacity (max)	m <sup>3</sup> /h	6 480	8 280
Inlet underpressure (max)	Pa	500	880
Voltage	V	400	400
Inlet	mm	315	355
Noise	dB	-	-
Height	mm	560	560
Width	mm	580	580
Length	mm	620	620
Weight	kg	61	61

## 4. SAFETY INSTRUCTIONS

This machine has been designed for certain applications only. It is strongly recommended that this machine not be used (or redesigned) for any applications other than those for which it was intended. If you have any questions regarding a particular application, DO NOT USE the device until you have contacted the manufacturer first and you are not sure whether the product is suitable for your intended use.



*Rotating or moving machine parts, live parts, thermally different temperatures, or pressure circuits can cause severe or fatal injuries. Installation, connection, commissioning as well as maintenance and repairs may only be carried out by qualified, trained personnel in compliance with:*

- *This User manual.*
- *Currently valid regulations concerning work safety and accident prevention.*
- *A damaged machine must never be put into operation.*
- *Read these operating instructions carefully before operating the machine in any way.*
- *It is essential to observe the safety instructions in these User manual.*
- *The machine may only be operated by personnel over 18 years of age, mentally and physically fit, trained and authorized to operate the machine.*
- *Workers operating and maintaining the machine must be familiar with these operating instructions.*
- *Do the adjustment, maintenance and cleaning of the machine only when the machine is at a standstill with the main switch switched off and secured and the power supply disconnected.*
- *Do not start the machine without covers and do not enter the working area of the machine.*
- *Do not touch moving parts.*
- *Keep the safety markings on the machine legible.*
- *If the specified permissible noise limit specified in the relevant government regulation is exceeded at the workplace, the operator must be protected by appropriate protective equipment - headphones or seals.*
- *Work only in good lighting conditions or provide adequate artificial lighting.*
- *Always make sure that all protective devices are fitted and that they work properly.*
- *Never work with the machine when you feel tired.*
- *Have damaged machine parts replaced by a specialist. Only original parts may be replaced.*
- *If the machine starts to shake unusually hard, it shows rising noise or other symptoms that are not normal during operation - turn off the machine and have it checked immediately.*
- *Make sure that the nuts, bolts and screws are tight and that the machine is always in a technical condition that corresponds to safe operation.*



*The operator is obliged to use personal protective equipment according to the nature of the machine and the requirements of the employer.*

# 5. INSTALLATION AND OPERATION

## 5.1 INSTALLATION INSTRUCTIONS



*Installation of fans, connections and all electrical installation must be performed only by a knowledgeable person.*

*When using an electric motor in a secured design, it is necessary to comply with Annex A, ČSN EN 50019 / 9.93. The installation and operation of the fan must be in accordance with the requirements of ČSN EN 60079-14 / 1999 part 14. The electrically conductive parts of the air handling units must be conductively connected. Fans intended for potentially explosive atmospheres zone 2 must be grounded during installation. The fans must be operated at the appropriate pressure load so as not to overload the electric motor (see data on the electric motor nameplate).*

*If an air duct is connected to the fan, the connection must be fitted with a damping insert.*

Prior to commissioning fans intended for non-explosive atmospheres, an initial inspection must be carried out and an inspection report drawn up.

Assembly and initial inspection is provided by the customer/user.

Prior to commissioning Zone 2 fans in potentially explosive atmospheres, a check of the minimum clearance between the suction port and the impeller and an initial inspection must be carried out.

## 5.2 CHECKING THE DEVICE BEFORE STARTING



*Before starting work, the operator is obliged to check the equipment for signs of damage or other properties that could endanger health or property.*

*If such a defect is found, the operator must not start the machine or otherwise continue to operate it (report to the responsible employee).*

## 5.3 PROHIBITED ACTIVITIES WITH EQUIPMENT

*It is forbidden to operate the device with any failure in the construction or mechanism of the machine and without the safety elements of the machine.*

*It is forbidden to operate the device and work with under the influence of alcohol, drugs or medication, which may reduce the ability to react and attention.*



*It is forbidden to start up the device if unauthorized persons are present at a dangerous distance or in a dangerous area near the machine.*

*It is forbidden to remove waste from hazardous areas while the device is running.*

*It is forbidden to touch moving parts of machines with the body or objects and tools.*

*It is prohibited and must never be deactivated or removed or disabled the functions of the safety devices*



*It is forbidden to perform maintenance, cleaning and repairs while the device is running and if the device is not secured against accidental or automatic start-up.*

*It is forbidden to operate the machine in violation of the requirements for work safety – see safety instructions*

## 5.4 ELECTRICAL INSTALLATION AND STORAGE CONDITIONS

### 5.4.1 Connection to the power supply network



*The value of the operating voltage and its frequency must correspond to the data on the machine label. The correct operation of the electrical equipment is ensured with a permitted fluctuation of the nominal value of the supply voltage  $\pm 5\%$ . The connection of the machine must be made with correctly dimensioned wires on the supply terminal block.*

### 5.4.2 Machine tests

After complete connection, the electrical equipment of the machine must be tested according to the valid standards of the country where the equipment is operated. A written document must be issued about performing the revision.

### 5.4.3 Safety of work with electrical equipment

#### **Obligations of the operator**

- Maintain electrical equipment in a permanently safe and reliable condition, which complies with valid electrical regulations ČSN, ČSN EN, ČSN ISO and ČSN IEC, and only by persons knowledgeable according to valid ČSN 34 3100 and valid Certificate of test according to ČÚBP Decree No. 50/1978 Sb., Which entitles to independent activity on electrical equipment (§ 6 or higher).
- Carry out regular inspections and revisions of electrical equipment within set deadlines
- Ensure that persons without electrical qualification (laymen) do not interfere with the electrical equipment of the working machine in an illegal manner and do not carry out any work in them in the sense of valid standards and regulations: Demonstrably acquaint all persons with operate the equipment, with a possible risk of electric shock.
- After installation, it is necessary to perform an electrical inspection according to applicable regulations and standards. This inspection must also include an earthing check!

## **Operation of electrical equipment**

- Electrical equipment may only be operated by persons with the qualifications required for the equipment.
- Persons operating machines and equipment must be familiar with the equipment and its function. Where local or other safety and work regulations or instructions are drawn up, they must be accessible in a suitable place and operators must be demonstrably familiar to them.
- The operator may only touch those parts that are intended for the operator. There must always be free access to the serviced parts.
- In the event of damage to electrical equipment or a malfunction that could endanger the safety or health of workers, a worker who detects such a condition and cannot eliminate the cause of the danger himself must take measures to prevent or reduce the risk of injury, fire or other hazards.
- When moving electrical appliances, they must be safely disconnected from the power supply beforehand.
- Persons without a professional electrical qualification can operate a low voltage electrical equipment themselves, which are designed in such a way that they cannot come into contact with exposed live parts of the electrical equipment under voltage during their operation.
- Persons without professional electrical qualification can:
  - Switch simple electrical devices on and off
  - When the electrical equipment is switched off, they can move and extend the movable leads with connecting cords provided with appropriate connecting parts
  - Replace remelted inserts of threaded and instrument fuses only with new inserts of the same value (they must not repair remelted inserts)
  - Replacing light bulbs
  - Maintain electrical equipment according to the manufacturer's instructions
- Before moving electrical appliances (equipment) connected to the mains by a flexible plug must be safely disconnected from the mains by pulling the plug out of the socket.
- Before moving the electrical equipment (working machines) connected to the mains by a fixed or flexible supply must be safely disconnected from the mains.
- When operating electrical equipment, the operator must observe the relevant instructions and User manual and local operating regulations for its use, as well as that the equipment is not overloaded or otherwise damaged.
- If a fault is detected in the equipment during operation (eg. damage to insulation, odor from burns, smoke, unusually noisy or sudden operation of electrical equipment, strong hum, jerky start, excessive heating of some part of electrical equipment, sparks, electric armor), the electrical equipment must be switched off immediately and the fault must be reported to the maintenance of the electrical equipment or to a supervisor.
- Damaged electrical equipment must not be used.

## 5.5 FIRE SAFETY



*As the manufacturer does not equip the machine with fire extinguisher, the user is obliged to secure the building where the equipment is installed with suitable fire extinguisher of an approved type, in appropriate quantities, placed in a visible place and protected against damage and misuse. Fire extinguishers are subject to regular inspections and the operator must be demonstrably acquainted with their use, as required by applicable law and decree - "the user's obligation to provide a workplace under the relevant decree, ie. to install a hand-held fire extinguisher in a suitable place". In accordance with the provisions of the relevant law, the user is obliged to act in such a way that no fire occurs. This means that flammable liquids or other hazardous substances and gases must not be stored near the device during operation, no open flames may be used, no smoke may be used and the manufacturer's recommended work procedure must be followed.*



*It is forbidden to extinguish equipment under electrical voltage with a water or foam fire extinguisher! Danger of electric shock! Electrical equipment must not be extinguished with water!*

Recommended: powder, snow or halon extinguisher and the operator must be familiar with its use.

The risk of fire is increased by neglect of maintenance, especially flammable substances (liquids, dust, etc.) on electrical parts, dust deposited on the fins of the electric motor reducing heat dissipation and faults in the electrical installation.

In case of fire, follow the fire instructions according to the workplace.

## 5.6 SMOKING, WELDING OR USE OF OPEN FIRE

*Smoking is prohibited.*

*This applies not only to the company's employees, but also to guests, customers, foreign workers, drivers, etc.*

*Repairs and construction work that requires welding, lit torches, etc. must be carried out separately, in a specially equipped workshop, where possible.*



*In the event that welding or open flame work is required in the production area or in the storage area, the written consent of the responsible manager must be sought. Such work must not begin without the adoption of special safety measures, the damp sails must be spread out to cover the immediate surroundings and the fire extinguishers must be placed close to the work area.*

*The work area and its immediate surroundings in which welding will take place must be kept under supervision for at least 10 hours after the end of the work. Sprayed or liquid hot drops of metal from the cutting flame (welding balls) are extremely dangerous because the direction and distance of their impact cannot be predicted.*

## 5.7 MACHINE OPERATOR

The operator who is assigned to operate the machine must read the operating instructions in this User manual in full.

Before starting work, the operator performs a visual inspection of the entire device for signs of excessive wear or damage. This device cannot be operated with excessively worn or damaged parts.

## 5.8 MAINTENANCE AND ADJUSTMENT

The entire device must be kept clean to prevent malfunctions of moving parts due to dirt. It is necessary to check the cleanliness, or cleaning, after each work shift or, if necessary, during it.

## 5.9 OPERATION

When operating the fan, it is necessary to supervise the correct function of the machine, its quiet operation, care for the cleanliness of the machine and its surroundings. Check bearing warming, load and electric motor temperature. Inspect the fan blades for damage. The grease filling of the bearings is sufficient for 6000 operating hours. After this time, we recommend replacing the bearings of the electric motor, or replacement of the electric motor cover. It is recommended to keep records of fan operating hours, inspections and revisions.

The fan impeller is dynamically balanced. Nevertheless, it is necessary to check the vibration and the cleanliness of the impeller. Foreign particles must not enter the fan.



*For fans intended for the transport of air up to a temperature of +250 °C or +500 °C, their operation must be ensured until the temperature of the transported air drops below 80 °C.*

## 5.10 SERVICE

If a fault is found on the fan, excessive vibration or damage to the wheel, it is necessary to shut it down immediately and arrange for a professional repair. The fans are serviced by the manufacturer.

## 5.11 DISPOSAL OF PRODUCTS AND PARTS THEREOF



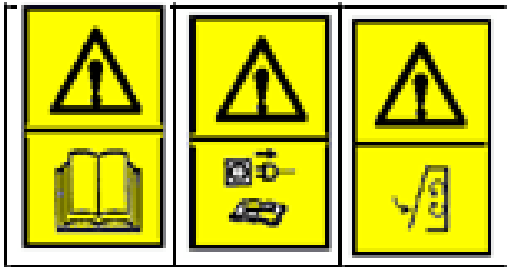
*At the final decommissioning of the machine (at the end of its service life), keep in mind the interest and environmental considerations and recycling options: drain the fluid contents into specially designed containers - such as engine oil, transmission oil, coolant and cleaning fluids, and send them to specialized facilities. Dispose of toxic waste (eg. batteries) in accordance with regulations. Separate plastic materials and offer them for recycling. Separate the metal parts according to the type for scrapping.*

## 5.12 SAFETY PICTOGRAMS USED ON THE MACHINE



*The user is obliged to keep the pictograms in a legible state and in case of their damage to ensure their replacement. After mounting on the machine, attach the pictograms in visible places from the access directions.*

Residual risks are addressed by the safety pictograms on the machine and the warnings in the operating instructions.



- The operator is obliged to study the User manual.
- Carry out all repairs, adjustments, cleaning and maintenance only when the machine is secured and disconnected from the power supply.
- All covers must be in place before starting the machine.

Poznamenejte si následující informace týkajícího se Vašeho stroje. Tyto informace je nutné znát při objednávání náhradních součástí, při ztrátě nebo krádeži:

Výrobní číslo

Datum dodání (prodeje)

Dodavatel (prodejce)

Ulice, Sídlo a PSČ

Telefon a e-mail

## 6. WARRANTY

The warranty period is 12 months from the date of sale.

The warranty does not cover malfunctions caused by improper handling or use for purposes other than those specified in the operating instructions.

### 6.1 RESPONSIBILITY FOR DEFECTS

By law, the manufacturer is liable under the contracts for consideration (purchase, work, etc.) for the fact that the goods or performance at the time of delivery are free of defects. Liability applies to all parts (except point 6.3) as well as to labor, transport and travel costs. Any consequential damages are excluded. Consumer buyer - legal liability for defects for a period of 2 years from the date of issue of the sales document. Buyer entrepreneur - pays liability for defects for 6 months from the date of issue of the sales document. In single shift operation. Additional arrangements always require written form, oral promises are not valid.

## 6.2 VOLUNTARY ADDITIONAL WARRANTY

Compared to the statutory liability for defects, a voluntary additional guarantee is a voluntary undertaking that the goods or performance beyond the statutory liability for defects will remain free of defects for a certain period of time. The guarantee requires a written form. Oral agreements are excluded. The warranty only applies to mechanical parts (with the exception of point 6.3), it does not apply to labor, transport and travel costs. Any consequential damages are excluded.

The seller provides a warranty for a period of 12 months or a maximum of 1600 operating hours for parts of mechanical components (except point 6.3).

The seller provides a warranty for 6 months for spare parts (except point 6.3).

In the case of used goods, only the statutory provisions on liability for defects apply, which is 1 year for the consumer buyer and 3 months for the entrepreneur buyer.

## 6.3 EXCLUSIONS FROM RESPONSIBILITY FOR DEFECTS AND WARRANTY

- If the defect did not occur at the time of delivery.
- In case of damage to the goods during transport (these damages must be resolved with the shipping company upon receipt, all shipments are sent insured).
- Defects caused by improper use or overloading (classification of hobby use, craftsman, professional, industrial).
- Defects caused by unprofessional installation, unprofessional commissioning, unprofessional handling, operation or storage or neglect of care of the goods.
- If the prescribed operating or installation conditions are not observed (main board of the machine, electrical distribution, compressed air distribution, exhaust distribution).
- If a defect has occurred due to improper handling or external forces (eg. scratches, dents, twists, etc.).
- No liability is accepted for all consequential damages (such as unforeseeable damages).
- No liability is accepted for wear related to the appearance and as a result of everyday use (eg. paint damage, scratches, etc.).
- Does not accept responsibility for any defects caused by pollution.
- No liability is accepted for defects caused by non-compliance with the instructions in the operating instructions or maintenance instructions or arising from use that is in conflict with the operating instructions or normal use.
- No liability is accepted for consumable parts (eg. bearings, belts, gears, segments, threaded rods, threaded nuts, teeth, gears, chip breakers...) as well as plastic parts (eg. handles, levers, stickers, plugs, covers, squeegees, roller carriers, rubberized rolls...).
- No liability is accepted for defects caused by modifications, repairs, sharpening and manipulations not performed by the authorized personnel of the manufacturer or certified dealer or the authorized service of the manufacturer or certified dealer.
- No liability is accepted for defects resulting from corrosion, fire or water damage.
- No liability is accepted for defects resulting from external influences, such as 2-phase operation, faulty electrical protection, undervoltage, overvoltage (visibly burned components or printed circuits) except for normal deviations, lightning strikes.
- Liability according to the valid regulations of the given country for motors, electric switches/ switches, electric control boards, etc.

- Violation of the protective seal, information label or serial number, unless damage occurs during normal use. Seals and serial numbers are an integral part of the goods and do not limit the buyer's right to use and manipulate the goods to the full extent of what the goods are intended for.
- Electrical use of goods in conditions that do not correspond to their temperature, dust, humidity, chemical and mechanical influences of the environment, which is directly determined by the seller or manufacturer.
- Damage caused by excessive loading or use contrary to the conditions stated in the documentation or general principles.
- Performing an unqualified intervention or changing parameters.
- Goods that have been adjusted by the customer (painting, bending, etc.), if the defect was a result of this adjustment.
- Damage from natural elements or force majeure.
- The use of incorrect or non-genuine consumables, or any damage resulting therefrom, unless such use is normal and has not been ruled out in the operating instructions.



## CE DECLARATION OF CONFORMITY CE PROHLÁŠENÍ O SHODĚ

**The manufacturer / Výrobce:** ADAMIK Company, s.r.o.  
**Registered office / Sídlo společnosti:** Mitrovická 804, 739 21 Paskov, Czech Republic

**whose responsibility for the relevant technical document is / jehož odpovědnost za příslušný technický dokument nese:**

**Name / Jméno** Ing. Petr Adamík

**declares under his own responsibility that the machine / na svou vlastní zodpovědnost prohlašuje, že strojní zařízení:**

**Product / Výrobek:** Ventilator with three-phase asynchronous motor /  
Ventilátor s třífázovým asynchronním motorem  
**Type / Typ:** VAN 531 1,5 kW, VAN 535 2,2 kW

**Serial number / Výrobní číslo:** .....  
**Year of production / Rok výroby:** .....

meets the requirements of the **Government Regulation 176/2008 Coll.** and complies with European directives. The quality control of the device was carried out in accordance with the law and technical instructions specifying the safety requirements for the device.

The characteristics of this device meet the essential requirements specified in **Government Regulation 23/2003 Coll.** The product complies with the provisions of **Directive 2006/42/EC.**

The device complies with the requirements of the following standards and technical regulations:  
ČSN 12 2002, ČSN 12 2011, ČSN EN ISO 14118, ČSN EN ISO 19353, ČSN EN ISO 12100, ČSN EN ISO 13857, ČSN EN 61000-6-4 ed.2, ČSN EN 60204-1 ed.3, ČSN EN ISO 14120.

The fan includes a SIEMENS electric motor, type ILExxx which is in conformity with the relevant EU harmonization legislation:

- **Low Voltage Directive 2014/35/EU** of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits;  
Official Journal of the EU L96, 29/03/2014, p. 357–374
- **RoHS Directive 2011/65/EU**, Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment;  
Official Journal of the EU L174, 1/07/2011, p. 88-110
- **ErP Regulation: (EU) 2019/1781** Commission Regulation of 1 October 2019 on establishing ecodesign requirements for electric motors and variable speed drives on the basis of Directive 2009/125/EC of the European Parliament and of the Council;  
Official Journal of the EU L 272, 25/10/2019, p. 74–94

This declaration of conformity is issued under the sole responsibility of the manufacturer. This declaration certifies compliance with the directives named above, but does not guarantee any specific properties or durability. The safety information and instructions in the supplied product documentation must be carefully observed. /

splňuje požadavky **nařízení vlády 176/2008 Sb.** a odpovídá evropským směrnicím. Kontrola shody kvality zařízení byla provedena v souladu se zákonem a technickými pokyny specifikujícími bezpečnostní požadavky na zařízení.

Vlastnosti tohoto zařízení splňují základní požadavky uvedené v **nařízení vlády č. 23/2003 Sb.** Výrobek je v souladu s ustanoveními **směrnice 2006/42/ES.**

Zařízení svým provedením odpovídá požadavkům dále uvedených norem a technických předpisů:  
ČSN 12 2002, ČSN 12 2011, ČSN EN ISO 14118, ČSN EN ISO 19353, ČSN EN ISO 12100, ČSN EN ISO 13857, ČSN EN 61000-6-4 ed.2, ČSN EN 60204-1 ed.3, ČSN EN ISO 14120.

Součástí ventilátoru je elektromotor SIEMENS, typ 1LExxx, který je předmět výše popsaného prohlášení je v souladu s příslušnou harmonizační legislativou EU:

- **Směrnice o elektrických zařízeních určených pro používání v určitých mezích napětí 2014/35/EU** Evropského parlamentu a Rady ze dne 26. února 2014 o harmonizaci právních předpisů členských států týkajících se dodávání elektrických zařízení určených k použití v určitých mezích napětí na trh;  
Úřední věstník EU L96, 29. 3. 2014, str. 357–374
- **Směrnice RoHS 2011/65/EU** Evropského parlamentu a Rady ze dne 8. června 2011 o omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních;  
Úřední věstník EU L174, 1.7.2011, s. 88–110
- **Nařízení ErP (EU) 2019/1781**, Nařízení Komise ze dne 1. října 2019, kterým se stanoví požadavky na ekodesign elektromotorů a pohonů s proměnnými otáčkami podle směrnice Evropského parlamentu a Rady 2009/125/ES;  
Úřední věstník EU L 272, 25.10.2019, str. 74–94

Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce. Toto prohlášení potvrzuje shodu s výše uvedenými směrnicemi, ale nezaručuje žádné specifické vlastnosti nebo trvanlivost. Je třeba pečlivě dodržovat bezpečnostní informace a pokyny v dodané dokumentaci k produktu.

**Place, date / Místo, dne:** Paskov, 1.2.2025

**Legal representative / Zákonný zástupce společnosti:**

Ing. Petr Adamík, CEO / Ing. Petr Adamík, jednatel společnosti

ADAMIK Company, s.r.o.  
CZ-190 00 PRAHA 9, Paličkova 910/9  
IČ: 26845318 | DIČ: CZ26845318



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**The manufacturer / Výrobce:** ADAMIK Company, s.r.o.  
**Registered office / Sídlo společnosti:** Mitrovická 804, 739 21 Paskov, Czech Republic

**whose responsibility for the relevant technical document is / jehož odpovědnost za příslušný technický dokument nese:**

**Name / Jméno** Ing. Petr Adamík

**declares under his own responsibility that the machine / na svou vlastní zodpovědnost prohlašuje, že strojní zařízení:**

**Product / Výrobek:** Ventilator with three-phase asynchronous motor, for explosion environment Zone 2 /  
Ventilátor s třífázovým asynchronním motorem, provedení do prostředí výbuchu Zóna 2

**Type / Typ:** VAN 531 Ex 2 kW, VAN 535 Ex 2,2 kW

**Serial number / Výrobní číslo:** .....

**Year of production / Rok výroby:** .....

meets the requirements of the **Government Regulation 176/2008 Coll.** and **Government Regulation 116/2016 Coll.** and complies with European directives.

The device complies with the requirements of the following standards and technical regulations:  
ČSN EN ISO 80079-36, ČSN EN 14986 ed.2, ČSN EN ISO 14118, ČSN EN ISO 12100, ČSN EN ISO 13857, ČSN EN 61000-6-4 ed.2, ČSN EN 60204-1 ed.3, ČSN EN ISO 14120, ČSN CLC/TR 60079-32-1, ČSN 12 2002, ČSN 12 2011, ČSN EN 60079-14 ed. 4, ČSN EN ISO 19353

Equipment category: **II 3/3 G c T3**

Under the conditions of correct installation, use and maintenance, the device can be used in an explosive environment **Zone 2-IIA T3**.

The fan includes a SIEMENS electric motor, type 1MB103xxx which is in conformity with the relevant EU harmonization legislation:

- **Council Directive 94/9/EC** of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive. Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2009, EN 60079-15:2010, EN 60079-1 :2007, EN 60079-7:2007
- **Directive 2014/34/EU of the European Parliament and the Council**, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015, EN 0079-11:2012 IEC 60079-0:2011+Cor.:2012+Cor.:2013, IEC 60079-1:2014, IEC 60079-7:2015, IEC 60079-11:2011.

This declaration of conformity is issued under the sole responsibility of the manufacturer. This declaration certifies compliance with the directives named above, but does not guarantee any specific properties or durability. The safety information and instructions in the supplied product documentation must be carefully observed. /

*splňuje požadavky nařízení vlády 176/2008 Sb. a nařízení vlády 116/2016 Sb. a odpovídá evropským směrnici.*

*Zařízení svým provedením odpovídá požadavkům dále uvedených norem a technických předpisů:  
ČSN EN ISO 80079-36, ČSN EN 14986 ed.2, ČSN EN ISO 14118, ČSN EN ISO 12100, ČSN EN ISO 13857, ČSN EN 61000-6-4 ed.2, ČSN EN 60204-1 ed.3, ČSN EN ISO 14102 ČSN EN ISO 14102 ČSN EN ISO 14100 12 2002, ČSN 12 2011, ČSN EN 60079-14 ed. 4, ČSN EN ISO 19353.*

**Kategorie zařízení: II 3/3 G c T3**

**Za podmínek správné instalace, použití a údržby je zařízení možno použít v prostředí s nebezpečím výbuchu Zóna 2-IIA T3.**

Součástí ventilátoru je **elektromotor SIEMENS**, typ 1MB1xxx, kategorie zařízení **II 3 G Ex ec IIC T3 Gc**, který je v souladu s příslušnou harmonizační legislativou EU:

- **Směrnice Rady 94/9/EC** ze dne 23. března 1994 potvrzuje, že toto zařízení bylo shledáno v souladu se Základními požadavky na ochranu zdraví a bezpečnost týkajícími se návrhu a konstrukce zařízení a ochranných systémů určených pro použití v prostředí s nebezpečím výbuchu, uvedeným v příloze II směrnice.

*Shoda se základními požadavky na ochranu zdraví a bezpečnost byla zajištěna dodržováním: EN 60079-0:2009, EN 60079-15:2010, EN 60079-1:2007, EN 60079-7:2007*

- **Směrnice Evropského parlamentu a Rady 2014/34/EU** ze dne 26. února 2014 potvrzuje, že tento výrobek byl shledán ve shodě se základními požadavky na ochranu zdraví a bezpečnost týkajícími se návrhu a konstrukce výrobků určených pro použití v prostředí s nebezpečím výbuchu, které jsou uvedeny v příloze II směrnice.

*Shoda se základními požadavky na ochranu zdraví a bezpečnost byla zajištěna shodou s: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015, EN 0079-11:2012 IEC 60079-0:2011+Kor.:2012+Kor.:2013, IEC 60079-1:2014, IEC 60079-7:2015, IEC 60079-11:2011.*

*Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce. Toto prohlášení potvrzuje shodu s výše uvedenými směrnici, ale nezaručuje žádné specifické vlastnosti nebo trvanlivost. Je třeba pečlivě dodržovat bezpečnostní informace a pokyny v dodané dokumentaci k produktu.*

**Place, date / Místo, dne:** Paskov, 1.3.2025

**Legal representative / Zákonný zástupce společnosti:**

Ing. Petr Adamík, CEO / Ing. Petr Adamík, jednatel společnosti

ADAMIK Company, s.r.o.  
CZ-190 00 PRAHA 9, Pajkova 910/9  
IČ: 26845318





# CERTIFICATE OF QUALITY AND COMPLETENESS OF THE PRODUCT

**Ventilator:**

VAN 531	<input type="checkbox"/>	VAN 531 Ex	<input type="checkbox"/>
VAN 535	<input type="checkbox"/>	VAN 535 Ex	<input type="checkbox"/>
.....	<input type="checkbox"/>		

<b>Serial number:</b>	<b>Checked by:</b>	<b>Date:</b>
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<b>Date of sale:</b>	<b>Product handed over by:</b>
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**Service / repair report:**

Date of acceptance:	Description:	Date and signature:



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ADAMIK Company, s.r.o.  
Mitrovická 804, 739 21 Paskov  
Czech Republic

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