

UVENTS



Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems

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1. SAFETY INFORMATION

- Read this manual carefully before installing or operating the fan.
- Installation and electrical connections must be carried out by qualified personnel.
- Disconnect electrical power before maintenance or inspection.
- Ensure proper grounding according to IP44 protection class requirements.
- Prevent foreign objects from entering the fan during operation.
- Do not operate the fan outside specified operating limits.

2. GENERAL DESCRIPTION

UVS-BA series are cylindrical in-line axial fans designed for installation inside circular ventilation ducts. The fan housing is manufactured from DKP sheet steel and protected with electrostatic powder coating. The impeller is made of galvanized metal and driven by an external rotor motor. The compact cylindrical design allows installation in both horizontal and vertical duct systems.

3. TECHNICAL SPECIFICATIONS

Airflow Range	765 to 3,100 m³/h
Static Pressure	225 to 300 Pa
Motor Type	External rotor motor
Power Range	200 - 800 W
Body Material	DKP Steel Sheet
Impeller Material	Galvanized Metal
Protection / Insulation	IP55 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Ventilation duct systems
- Air circulation systems
- Commercial ventilation installations
- Industrial ventilation systems
- Exhaust air systems

5. INSTALLATION

The fan is designed to be installed inside circular duct systems. It can operate in both horizontal and vertical positions. Ensure correct airflow direction during installation. The duct connections must be properly aligned and sealed. Electrical connections must be performed according to the motor nameplate and wiring diagram.

6. OPERATION

Before starting the fan verify that the supply voltage and frequency correspond to the motor specifications. During operation monitor the system for abnormal vibration, noise or airflow reduction. Airflow can be adjusted using an optional speed controller.

7. MAINTENANCE

Disconnect electrical power before performing maintenance. Inspect the impeller and housing periodically for dust accumulation. Clean internal surfaces when necessary. Check mounting points and electrical connections regularly.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Fan not starting	No power / wrong wiring	Check supply; verify wiring per diagram
Abnormal noise	Foreign object or misalignment	Inspect impeller/duct; tighten mounts
Low airflow	Duct obstruction, incorrect installation, impeller contamination	Inspect duct system, verify installation, clean impeller

9. WARRANTY

Warranty period is 2 years from delivery against manufacturing defects. Improper installation, user errors, and electrical faults are excluded. Repair time is up to 30 business days after notification.

10. APPENDIX – ELECTRICAL DIAGRAM

*Before making electrical connections, cut off the power and have all electrical work done by authorized personnel.

