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 performing 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 the specified operating limits.

2. GENERAL DESCRIPTION

UVS-SKA series fans are axial fans designed for installation in ventilation ducts. The fan housing is manufactured from DKP sheet steel and protected with electrostatic powder coating against corrosion. The impeller is made of galvanized sheet metal and driven by an external rotor motor. The compact design allows installation between horizontal or vertical duct sections in ventilation systems.

3. TECHNICAL SPECIFICATIONS

Airflow Range	**765 to 3,100 m³/h**
Static Pressure	250 to 325 Pa
Fan Type	Axial fan
Power Range	80 – 200 W
Noise Level	56 – 72 dB(A)
Body Material	DKP sheet steel
Protection / Insulation	IP44 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

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

5. INSTALLATION

The fan is designed to be installed between duct sections in horizontal or vertical ventilation systems. Ensure correct airflow direction during installation. The installation surface and duct connections must be stable and properly sealed. Electrical connections must be performed according to the motor nameplate and wiring diagram. Proper grounding must be ensured before operation.

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 and pressure can optionally be adjusted using a speed control device.

7. MAINTENANCE

Disconnect electrical power before performing maintenance. Periodically inspect the impeller and housing for dust accumulation. Clean internal surfaces when necessary. Check mounting bolts and electrical connections regularly to ensure safe operation.

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 blockage, incorrect installation, contaminated impeller	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.