

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-DMK series are compact centrifugal fans with aluminum injection body and forward curved impellers. The fans are designed for applications requiring low airflow and compact structure. The aluminum housing provides durability and corrosion resistance while maintaining lightweight construction. The fan is equipped with an external rotor motor for efficient operation.

3. TECHNICAL SPECIFICATIONS

Airflow Range	290 to 600 m³/h
Static Pressure	301 to 501 Pa
Fan Type	Centrifugal radial fan
Motor Speed	2400/2650 rpm
Insulation /Protection Class	F Class / IP44
Power Range	85 – 220 W
Noise Level	45 – 49 dB(A)
Frequency	50 Hz
Operating Temperature	-20 to +50 °C
Weight	2,6 - 4,5 kg

4. AREAS OF USAGE

- Industrial machines
- Small ventilation systems
- Electronic equipment cooling
- Local air circulation applications
- Compact ventilation systems

5. INSTALLATION

Install the fan on a stable surface suitable for the application. Ensure proper alignment with airflow direction. The fan can be connected to ducts or used in localized airflow systems. 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. Ensure that airflow paths are unobstructed. During operation monitor the fan for abnormal vibration, noise or airflow reduction.

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	Obstruction, impeller contamination, incorrect installation	Remove obstruction, clean impeller, verify installation

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.

