

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 IP55 protection class requirements.
- Do not operate the fan outside specified operating limits.
- Prevent foreign objects from entering the fan during operation.

2. GENERAL DESCRIPTION

UVS-M series are low pressure radial fans equipped with forward curved impellers. The fans are designed for transporting clean or slightly dusty air in ventilation systems. The body and impeller are manufactured from DKP sheet metal, providing durability and reliable performance. The fans can be supplied with direct-coupled or belt-driven motor configurations depending on system requirements.

3. TECHNICAL SPECIFICATIONS

Airflow Range	2,000 – 16,000 m³/h (depending on model)
Static Pressure	500 to 1,900 Pa
Fan Type	Low pressure radial fan
Power Range	0.37 – 11 kW
Impeller Type	Forward curved
Noise Level	61 – 84 dB(A)
Protection / Insulation	IP55 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Ventilation systems
- Furniture and polishing workshops
- Industrial kitchen ventilation
- Clean or slightly dusty air transport applications

5. INSTALLATION

Install the fan on a stable base or support structure capable of carrying the fan weight and vibration loads. Ensure proper alignment with duct connections. 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. Check the rotation direction before full operation. 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 bolts and electrical connections regularly. Bearings and drive components should be inspected according to operating conditions.

8. TROUBLESHOOTING

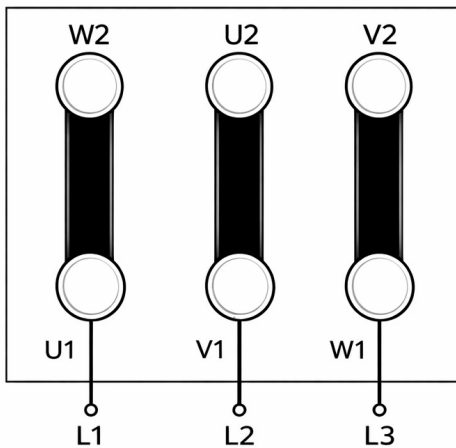
Issue	Possible Cause	Solution
Fan not starting	No power / wrong wiring	Check supply; verify wiring per diagram
Abnormal noise	Foreign object or misalignment	Inspect impeller/duct; tighten mounts
Low airflow	Obstruction, incorrect rotation direction, impeller contamination	Remove obstruction, check rotation,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

9. WARRANTY

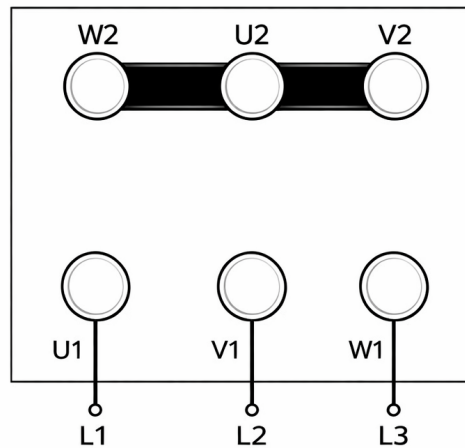
Warranty period is 2 years from delivery against manufacturing defects. Improper installation, user errors, and electrical faults are excluded. Repair time is up to 30 business days after notification.

10. APPENDIX – ELECTRICAL DIAGRAM

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



△ Connection



Y Connection

