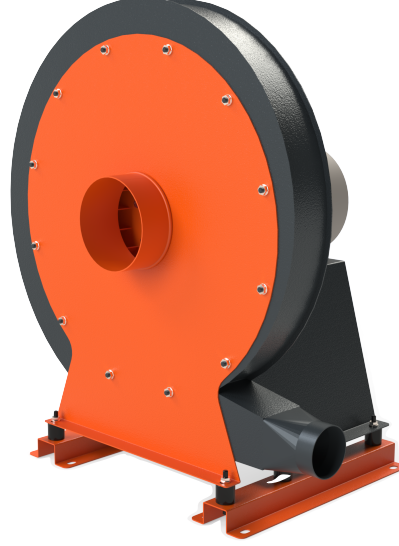


UVENTS



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 the specified operating limits.
- Prevent foreign objects from entering the fan inlet during operation.

2. GENERAL DESCRIPTION

UVS-K series fans are high pressure radial fans designed for industrial ventilation and air blowing applications. The fans are suitable for systems requiring strong pressure performance such as burners, air curtains and material blowing systems. The housing and impeller are manufactured from durable DKP sheet metal. Depending on the system requirements the fan can be supplied with direct-coupled or belt-driven motor configurations.

3. TECHNICAL SPECIFICATIONS

Airflow Range	3,500 – 1,700 m³/h (depending on model)
Static Pressure	3,000 to 12,000 Pa
Fan Type	High pressure radial fan
Power Range	0.37 – 11 kW
Body & Impeller Material	DKP sheet metal
Noise Level	72 – 96 dB(A)
Protection / Insulation	IP55 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Bag making and printing machines
- Material transport by blowing air
- Industrial burners
- Air curtain systems
- Glass mould cooling
- Industrial furnaces

5. INSTALLATION

Install the fan on a rigid base or support structure capable of carrying the fan weight and vibration loads. Ensure correct alignment between the fan and the duct or system connection. 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 of the impeller 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 or material accumulation. Clean internal surfaces when necessary. Check mounting bolts and mechanical connections regularly. Bearings and drive components should be inspected according to operating conditions.

8. TROUBLESHOOTING

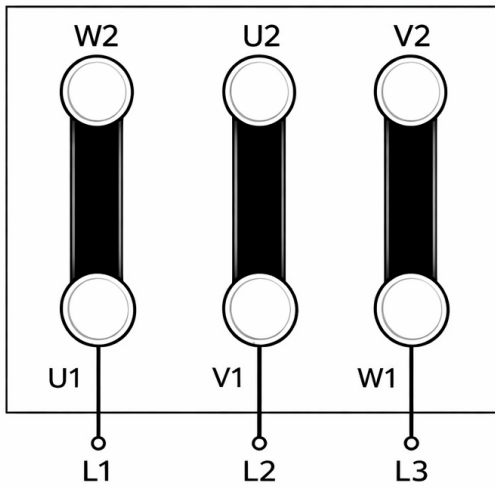
Issue	Possible Cause	Solution
Fan not starting	No power / wrong wiring	Check supply; verify wiring per diagram
Abnormal noise	Foreign object or misalignment	Inspect impeller/duct; tighten mounts
Low airflow	Blocked duct system, incorrect rotation direction, impeller contamination	Clean duct system, verify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

9. WARRANTY

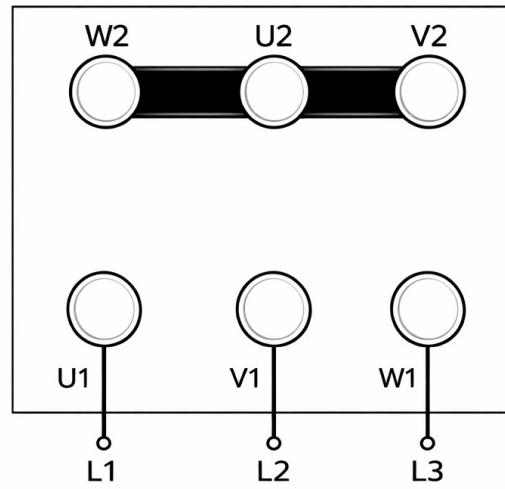
Warranty period is 2 years from delivery against manufacturing defects. Improper installation, user errors, and electrical faults are excluded. Repair time is up to 30 business days after notification.

10. APPENDIX – ELECTRICAL DIAGRAM

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



Δ Connection



Y Connection