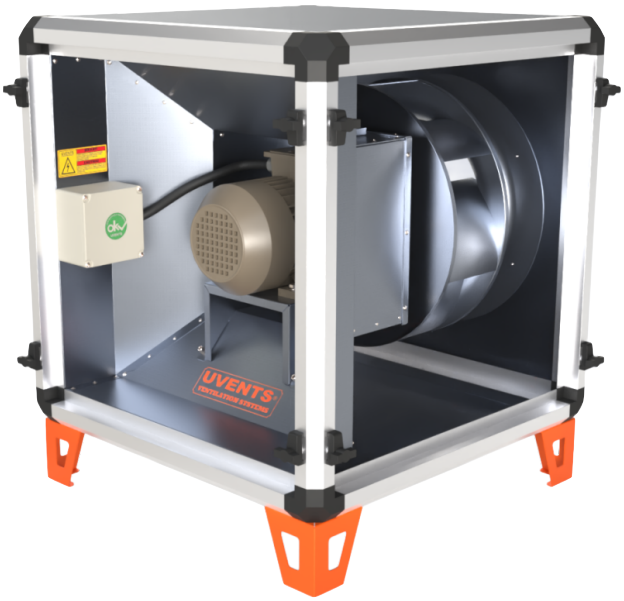
UVENTS



Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems
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1. SAFETY INFORMATION

- Read and retain this manual before operating the fan.
- This fan is designed for ventilation and kitchen exhaust applications.
- Do not use in explosive or highly corrosive environments.
- All electrical work must be performed by qualified personnel.
- Disconnect power before installation or maintenance.
- Ensure proper grounding and electrical protection according to IP54 standards.

2. GENERAL DESCRIPTION

UVS-PY is a cabinet type radial fan equipped with an aluminum backward curved impeller. The unit is designed for exhausting polluted air from enclosed spaces or supplying fresh air. It is suitable for applications where low noise levels are important. The body is manufactured from galvanized sheet metal and the impeller is aluminum. The series operates at 50 Hz and provides reliable performance in commercial and industrial ventilation systems.

3. TECHNICAL SPECIFICATIONS

Airflow Range	**3,300 – 9,800 m³/h (depending on model)**
Static Pressure	**500 to 800 Pa**
Fan Type	Cabinet radial fan – backward curved
Power Range	0.55 to 1.5 kW
Noise Level	74 to 80 dB(A)
Body Material	Galvanized
Impeller Material	Aluminum
Motor Insulation and Protection Class	IP 54 / F Class
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Ventilation systems
- Hotels
- Restaurants
- Hospitals
- Cinema halls
- Chemical and textile industries
- Printing houses
- Applications where low noise level is important

5. INSTALLATION

Install the unit on a stable and vibration-free surface. Ensure secure duct connections at both inlet and outlet openings. Provide sufficient service access space. Electrical connections must be made according to the motor nameplate and wiring diagram. Proper grounding is mandatory.

6. OPERATION

Verify that supply voltage and frequency match the motor nameplate (±5%). Before full operation, check correct rotation direction (for three-phase models). During operation, monitor for abnormal vibration, noise or overheating.

7. MAINTENANCE

Disconnect power before any intervention. Periodically inspect and clean the impeller and internal cabinet surfaces. Ensure that dust accumulation does not affect balance. Check electrical connections and mounting components regularly. Bearings are maintenance-free under normal operating conditions.

8. TROUBLESHOOTING

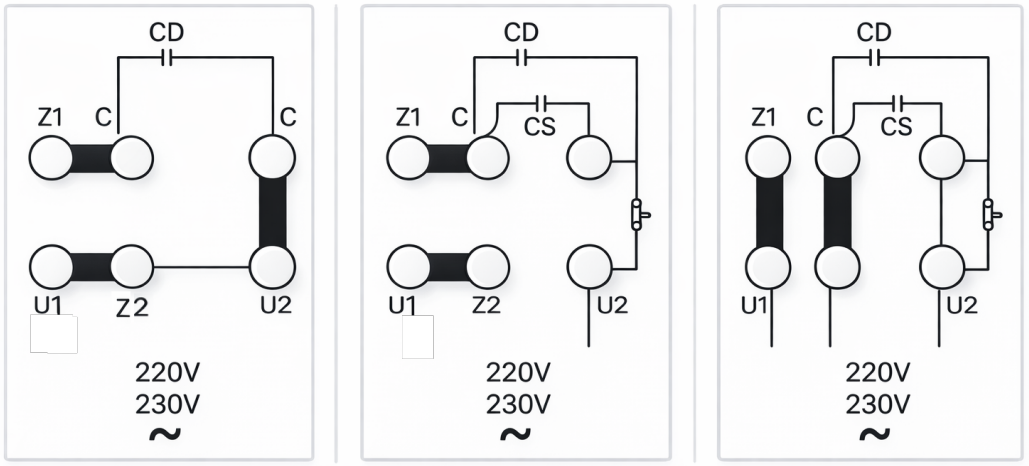
Issue	Possible Cause	Solution
Fan not starting	No power / wrong wiring	Check supply; verify wiring per diagram
Abnormal noise	Foreign object or misalignment	Inspect impeller/duct; tighten mounts
Low airflow	Duct obstruction, incorrect rotation, impeller contamination	Remove obstruction; verify rotation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

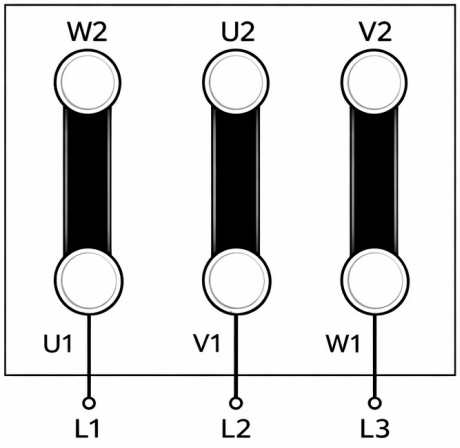
9. WARRANTY

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.

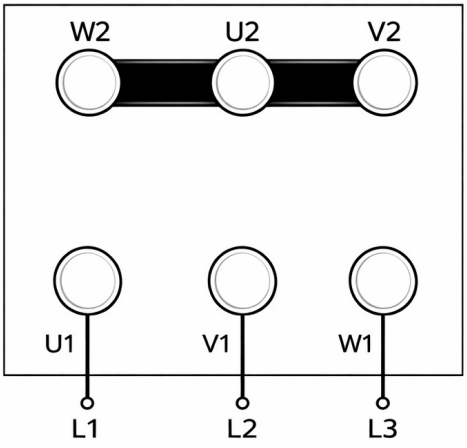
10. APPENDIX – ELECTRICAL DIAGRAM

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





Δ Connection



Y Connection