

UVENTS



Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems

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1. SAFETY INFORMATION

- Read and retain this manual before operating the fan.
- Use only for intended applications within specified limits.
- Do not use in explosive/corrosive atmospheres.
- All electrical work must be performed by qualified personnel.
- Disconnect power before maintenance.

2. GENERAL DESCRIPTION

UVS-GS is a low-pressure radial fan range featuring backward-curved impellers and either direct-coupled or belt-driven configurations. Designed for clean or slightly dusty air transfer, ideal for exhaust and general ventilation applications.

3. TECHNICAL SPECIFICATIONS

Airflow Range	3,500 – 50,000 m³/h
Static Pressure	650 – 3,300 Pa
Impeller	Backward curved
Drive Options	Direct coupling or belt-driven
Body & Impeller Material	DKP sheet metal
Motor Efficiency Class	IE2 / IE3
Protection / Insulation	IP55 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Aspiration of clean or slightly dusty air
- Exhaust ventilation for industrial/commercial spaces

5. INSTALLATION

Mount according to airflow direction label. Ensure rigid duct connection and cover any open side with a protective guard. Leave service access. Perform electrical connections per the terminal-box wiring diagram. Ground the unit properly.

6. OPERATION

Verify supply matches nameplate (±5%). During operation, check for abnormal noise or vibration.

7. MAINTENANCE

Isolate power before any intervention. Clean at least annually. Bearings are maintenance-free. Avoid high-pressure cleaning or solvents; prevent motor contact with water.

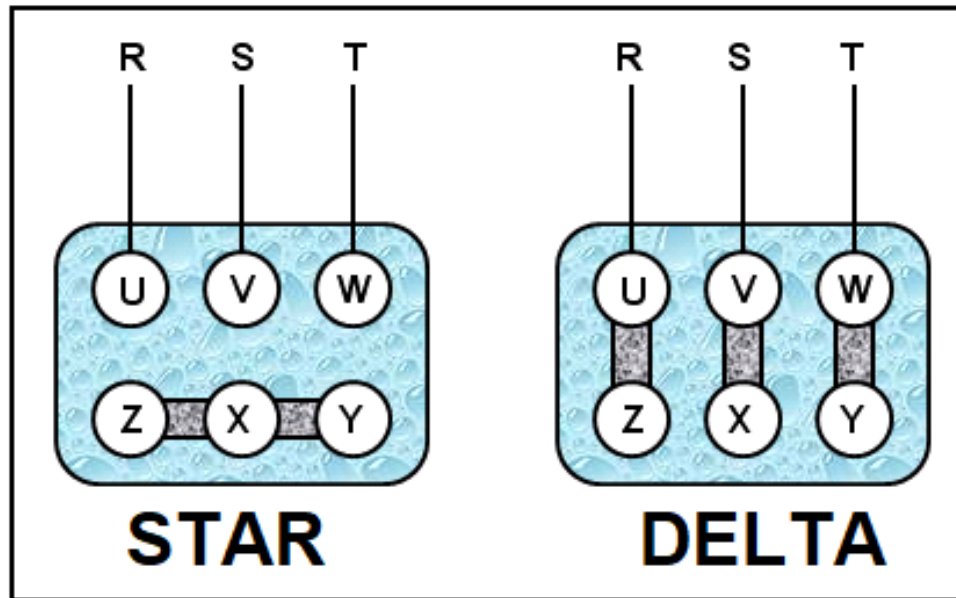
8. TROUBLESHOOTING

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	Filter/duct blockage; rotation direction	Clean filters/duct; check rotation

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.