

# 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-OBR 260 is a single inlet centrifugal fan equipped with a forward curved impeller. The fan is designed for ventilation applications requiring compact structure and efficient airflow. The motor is positioned outside the airflow, allowing higher air transfer performance. The housing is manufactured from DKP steel sheet and the impeller is made of galvanized material.

## 3. TECHNICAL SPECIFICATIONS

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Airflow Range</b>                | <b>1450 to 2,700 m³/h</b>            |
| <b>Static Pressure</b>              | 375 to 751 Pa                        |
| <b>Impeller</b>                     | Radial – Single inlet                |
| <b>Drive Options</b>                | Direct drive                         |
| <b>Body &amp; Impeller Material</b> | DKP Steel Sheet, Galvanized Impeller |
| <b>Motor Efficiency Class</b>       | IE2 / IE3                            |
| <b>Protection / Insulation</b>      | IP44 / B Class                       |
| <b>Frequency</b>                    | 50 Hz                                |
| <b>Operating Temperature</b>        | -20 to +50 °C                        |

## 4. AREAS OF USAGE

- Greenhouses
- Factories
- Warehouses
- Shopping malls
- Large indoor ventilation areas

## 5. INSTALLATION

Install the fan on a stable mounting surface suitable for ventilation applications. Ensure proper alignment with duct or air transfer openings. The airflow direction must be verified before operation. Electrical connections must be made 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 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.

## 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 blockage or obstruction   | Clean ducts; inspect 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.

