

# UVENTS



## Installation, Operation & Maintenance Manual

UVENTS Ventilation Systems

Muratpaşa Mah. Eski Edirne Asfaltı, Baltaş Kilimci San. Sit. No:3/1-306, Bayrampaşa, İstanbul, Turkey

Tel: +90 212 482 0216

Email: [sales@uvents.com.tr](mailto:sales@uvents.com.tr)



## 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-MKS series are compact centrifugal fans with steel casing and forward curved impellers. The fans are designed for applications requiring low airflow and compact structure. The DKP steel body provides durability and resistance to mechanical impact, while the galvanized impeller ensures efficient airflow. The fan is equipped with an external rotor motor for reliable operation.

## 3. TECHNICAL SPECIFICATIONS

|                              |                        |
|------------------------------|------------------------|
| Airflow Range                | 275 to 540 m³/h        |
| Static Pressure              | 360 to 501 Pa          |
| Fan Type                     | Centrifugal radial fan |
| Motor Speed                  | 2200/2450 rpm          |
| Insulation /Protection Class | F Class / IP44         |
| Power Range                  | 85 – 220 W             |
| Noise Level                  | 45 – 49 dB(A)          |
| Frequency                    | 50 Hz                  |
| Operating Temperature        | -20 to +50 °C          |
| Weight                       | 2,4 - 4,0 kg           |

## 4. AREAS OF USAGE

- Industrial machines
- Small ventilation systems
- Electronic equipment cooling
- Local air circulation applications
- Compact ventilation systems

## 5. INSTALLATION

Install the fan on a stable mounting surface suitable for the application. Ensure proper alignment with airflow direction. The fan can be connected to ducts or used in localized airflow systems. Electrical connections must be performed 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 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 points 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      | Obstruction, impeller contamination, incorrect installation | Remove obstruction, clean impeller, verify installation |

## 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.

