

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 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 IP55 standards.
- Due to greasy air applications, regular cleaning is mandatory.

2. GENERAL DESCRIPTION

UVS-KEF is a radial kitchen exhaust fan designed for connection to kitchen hoods in environments such as cookers, grills and fryers. The unit exhausts greasy air to maintain a clean and odor-free kitchen area. The fan includes an inspection hatch for easy cleaning and maintenance. The motor is located outside the airstream and is not affected by contaminated air. The body is manufactured from galvanized steel and the impeller is aluminium.

3. TECHNICAL SPECIFICATIONS

Airflow Range	1,600 to 7,000 m³/h
Static Pressure	275 to 1100 Pa
Impeller Material	Aluminum
Body Material	Galvanized
Motor Efficiency Class	IE2 / IE3
Power range	250 to 1,100 W
Protection / Insulation	IP55 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Commercial kitchens
- Restaurants
- Hotels
- Industrial food production areas
- Applications requiring extraction of greasy air

5. INSTALLATION

Install the fan in connection with kitchen hoods or duct systems. Ensure rigid mounting on a stable surface. Provide sufficient service space for inspection hatch access. Connect ducting securely to prevent air leakage. 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 ($\pm 5\%$). Before full operation, check correct rotation direction (for three-phase models). During operation, monitor for abnormal vibration, noise or overheating. Ensure that airflow path is not obstructed.

7. MAINTENANCE

Disconnect power before any intervention. Due to greasy air applications, regularly inspect and clean the impeller and internal surfaces through the inspection hatch. Remove accumulated grease deposits to maintain performance and safety. Ensure motor remains outside airflow and ventilation openings are unobstructed. Bearings are maintenance-free under normal operating conditions.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Fan not starting	No power / control panel issue / wiring fault	Check supply; verify wiring; check control panel status
Abnormal noise	Foreign object / dust buildup on plug fan	Inspect fan section; clean and remove debris
Low airflow	Grease accumulation, duct blockage, incorrect rotation	Clean impeller and duct; verify rotation direction

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.

