

UVENTS



INSTALLATION, OPERATION & MAINTENANCE MANUAL

UVENTS Ventilation Systems

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1. SAFETY INFORMATION

- 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-BF is a radial roof fan with horizontal air discharge, designed for installation on flat roofs.

3. TECHNICAL SPECIFICATIONS

Airflow Range	1.650 – 1,960 m ³ /h
Static Pressure	0 to 900 Pa
Impeller	Backward curved radial
Drive Options	Direct drive
Body & Impeller Material	Galvanized sheet metal
Motor Efficiency Class	According to motor data
Protection / Insulation	IP44 / F class
Frequency	50 Hz
Operating Temperature	-20 to +50 °C

4. AREAS OF USAGE

- Industrial and commercial areas
- Enclosed spaces and kitchen areas
- Places where high performance is required with a high level of heat resistance

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 ($\pm 5\%$). 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. For roof installations, periodically inspect weather sealing and roof flashing integrity. Clean the impeller and internal housing periodically to prevent dust build-up.

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
Low airflow	Filter/duct blockage; rotation direction	Clean 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.

