



# Shutter Mount Exhaust Fan Troubleshooting

## Care & Maintenance



**Warning:** Before troubleshooting or servicing, disconnect all power. Failure to do so could result in serious injury.

### Troubleshooting Guide

| Symptom                      | Possible Cause(s)  | Corrective Action   |
|------------------------------|--|---|
| Fan will not start           | <ol style="list-style-type: none"> <li>1. Tripped circuit breaker</li> <li>2. Defective motor</li> <li>3. Incorrectly wired</li> <li>4. Electricity turned off</li> </ol>  | <ol style="list-style-type: none"> <li>1. Reset circuit breaker</li> <li>2. Repair or replace</li> <li>3. Shut off power, check for proper connections</li> <li>4. Contact local power company</li> </ol>   |
| Excessive noise or vibration | <ol style="list-style-type: none"> <li>1. Propeller is bent or hitting housing</li> <li>2. Fan / shutter not securely anchored</li> <li>3. Bad/noisy bearings</li> <li>4. Shutter mounting hardware loose</li> </ol>   | <ol style="list-style-type: none"> <li>1. Free propeller of obstruction/replace propeller</li> <li>2. Secure properly</li> <li>3. Replace motor</li> <li>4. Ensure fastening hardware is securely tightened</li> </ol>  |
| Insufficient airflow         | <ol style="list-style-type: none"> <li>1. Incorrect voltage applied</li> <li>2. Defective motor</li> <li>3. Propeller is damaged</li> <li>4. Blocked Airflow</li> <li>5. Not enough intake air</li> <li>6. Fan is dirty</li> <li>7. Shutter louvers not operating correctly</li> </ol> | <ol style="list-style-type: none"> <li>1. Wire properly</li> <li>2. Replace motor</li> <li>3. Replace propeller</li> <li>4. Remove obstructions</li> <li>5. Add additional air intake openings</li> <li>6. Clean fan guards/screens, motor and propeller</li> <li>7. Adjust louvers until they freely open and close</li> </ol> |
| Motor overheats or trips out | <ol style="list-style-type: none"> <li>1. Over/under line voltage</li> <li>2. Defective motor</li> <li>3. Fan is dirty</li> <li>4. Not enough intake air</li> </ol>  | <ol style="list-style-type: none"> <li>1. Contact local power company</li> <li>2. Replace motor</li> <li>3. Clean fan guards/screens, motor and propeller</li> <li>4. Add additional air intake openings</li> </ol>   |

### Maintenance

Periodic maintenance and component cleaning schedules should be set to assure reliability and performance of the fan.

Periodically inspect and tighten all set screws and hardware—check torque on prop.

Assure all mounting hardware remains properly secured.

Motors feature permanently sealed ball bearings and require no further lubrication.

Periodically clean shutter louvers and ensure they operate freely.

**Note:** Please contact the dealer/distributor where you purchased the fan from with any questions regarding the fan, the manual or replacement parts.