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ELOMILE TM670D-TP

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Model: TM670D-TP | Brand: ELOMILE

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your ELOMILE TM670D-TP Royal Fan. This 100V, 170mm cooling fan is designed for various industrial and computing applications requiring reliable air circulation. Please read this manual thoroughly before using the product and retain it for future reference.



Figure 1: Front view of the ELOMILE TM670D-TP Royal Fan, showing the fan blades and central label with model information.

2. SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent injury and damage to the product:

- Ensure the power supply matches the fan's specifications (100V AC, 50/60Hz). Incorrect voltage can cause damage or fire.
- Disconnect power before installation, maintenance, or cleaning.
- Do not insert fingers or objects into the fan blades while the fan is operating or connected to power.
- Install the fan in a stable and secure location to prevent vibration or accidental dislodgement.
- Avoid exposing the fan to excessive moisture, dust, or extreme temperatures.
- If the fan exhibits unusual noise, vibration, or smoke, immediately disconnect power and cease operation.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the fan from its packaging. Inspect the fan for any signs of damage during transit. If any damage is found, do not proceed with installation and contact your supplier.

3.2 Mounting

The TM670D-TP fan features mounting holes on its frame for secure attachment. Ensure adequate clearance around the fan for optimal airflow and to prevent obstruction of moving parts.



Figure 2: Side view of the fan, illustrating the mounting points on the frame. The fan dimensions are approximately 5.91"L x 2.17"W x 6.69"H (150mm x 55mm x 170mm).

1. Position the fan in the desired location, ensuring proper airflow direction.
2. Align the mounting holes on the fan frame with the corresponding holes on the mounting surface.
3. Secure the fan using appropriate screws or fasteners (not included) suitable for the mounting surface. Do not overtighten.

3.3 Electrical Connection

The fan is equipped with a 4-pin power connector. Ensure the power source is off before making any connections.



Figure 3: Back view of the fan, showing the wiring and the 4-pin power connector for electrical hookup.

1. Identify the 4-pin power connector on the fan's wiring.
2. Connect the fan's 4-pin connector to a compatible 100V AC power supply. Refer to the wiring diagram of your system for correct pin assignments if necessary.
3. Verify all connections are secure before applying power.

4. OPERATING INSTRUCTIONS

Once properly installed and connected, the ELOMILE TM670D-TP Royal Fan operates automatically when power is supplied.

- **Power On:** Apply 100V AC power to the connected circuit. The fan should begin to rotate, generating airflow.
- **Power Off:** Disconnect the 100V AC power supply to stop the fan.
- **Airflow Direction:** The fan is designed to draw air from one side and expel it from the other. Observe the rotation direction and fan blade curvature to determine airflow.
- **Continuous Operation:** This fan is designed for continuous operation within its specified voltage and temperature ranges.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your fan.

- **Cleaning:** Periodically disconnect power and gently clean the fan blades and frame using a soft cloth or compressed air to remove dust and debris. Do not use liquid cleaners directly on the fan.
- **Inspection:** Regularly inspect the fan for any signs of wear, loose connections, or unusual conditions. Check for obstructions that might impede blade rotation.
- **Lubrication:** This fan features ball bearings and typically does not require user lubrication. Attempting to lubricate may void the warranty.

6. TROUBLESHOOTING

If you encounter issues with your fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not start	No power, incorrect voltage, loose connection, motor failure.	◦ Check power supply and ensure it is 100V AC. ◦ Verify all electrical connections are secure. ◦ If power is present and connections are good, the motor may be faulty.
Unusual noise or vibration	Obstruction, loose mounting, worn bearings.	◦ Disconnect power and check for any objects obstructing the fan blades. ◦ Ensure the fan is securely mounted and all fasteners are tight. ◦ If noise persists, bearings may be worn; consider replacement.
Reduced airflow	Dust accumulation, obstructed intake/exhaust.	◦ Disconnect power and clean fan blades and grilles. ◦ Ensure intake and exhaust areas are clear of obstructions.

If the problem persists after attempting these solutions, contact customer support or a qualified technician.

7. SPECIFICATIONS

Key technical specifications for the ELOMILE TM670D-TP Royal Fan:

Feature	Detail
Model	TM670D-TP
Brand	ELOMILE
Voltage	100V AC
Frequency	50/60Hz

Feature	Detail
Wattage	43 watts
Fan Size	170mm
Product Dimensions (L x W x H)	5.91" x 2.17" x 6.69" (150mm x 55mm x 170mm)
Power Connector Type	4-Pin
Cooling Method	Air
Compatible Devices	Desktop (and other industrial applications)
Material	Copper (likely motor windings)
Manufacturer	Johnson Mars
UPC	755361306109

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

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