

## Altrad B071JTGKSJ

# Altrad 165L Electric Concrete Mixer User Manual

Model: B071JTGKSJ

## 1. INTRODUCTION

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Thank you for choosing the Altrad 165L Electric Concrete Mixer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new concrete mixer. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper use and to prevent injury or damage.

This concrete mixer is designed for mixing concrete, mortar, and plaster. It features a robust cast iron drum and a powerful electric motor, making it suitable for various construction and DIY projects.

## 2. SAFETY INSTRUCTIONS

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Always prioritize safety when operating any power tool. Failure to follow these instructions may result in serious injury or property damage.

- **Read the entire manual:** Understand all operating procedures and safety warnings before use.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and sturdy work gloves. Dust masks are recommended in dusty environments.
- **Ensure a stable work area:** Operate the mixer on a firm, level surface to prevent tipping.
- **Keep children and bystanders away:** Maintain a safe distance from the operating mixer.
- **Electrical safety:** Ensure the power supply matches the mixer's requirements (230V/50Hz). Use a ground fault circuit interrupter (GFCI) for outdoor use. Do not operate in wet conditions.
- **Inspect before use:** Check for damaged parts, loose connections, or worn electrical cords. Do not use if damaged.
- **Do not overload:** Adhere to the specified capacity (165L) to prevent motor strain and damage.
- **Disconnect power:** Always unplug the mixer before performing any maintenance, cleaning, or when not in use.

## 3. SETUP

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### 3.1 Unpacking and Assembly

Carefully remove all components from the packaging. Refer to the assembly diagram (if provided with your product) for detailed steps. Ensure all bolts, nuts, and washers are securely fastened. Do not overtighten.

### 3.2 Placement

Position the concrete mixer on a stable, level, and non-slip surface. Ensure there is adequate space around the mixer for safe operation and material handling. Keep the area clear of obstructions and debris.

### 3.3 Electrical Connection

Connect the mixer to a standard 230V, 50Hz electrical outlet. Ensure the circuit can handle the 700W motor. Use an appropriate extension cord if necessary, ensuring it is rated for outdoor use and heavy-duty applications. Always use a GFCI for added safety.



Figure 1: Altrad 165L Electric Concrete Mixer. This image shows the overall structure of the concrete mixer, including the drum, motor housing, and frame, ready for operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Mixer

Ensure the drum is empty and clean before starting. Plug the mixer into a suitable power outlet. Press the 'ON' button to start the motor. The drum should begin to rotate smoothly.

### 4.2 Loading Materials

With the drum rotating, gradually add the mixing ingredients in the recommended order (typically water first, then aggregate, cement, and sand). Do not add all materials at once, as this can overload the motor and prevent proper mixing. The maximum capacity of the drum is 165 liters.

### 4.3 Mixing Process

Allow the materials to mix thoroughly until a consistent and uniform mixture is achieved. The mixing time will vary depending on the type of material and desired consistency. Avoid over-mixing, which can lead to segregation of materials.

### 4.4 Discharging Mixed Material

Once mixing is complete, use the tilting mechanism (handle or wheel) to tilt the drum and discharge the mixed material into a wheelbarrow or suitable container. Ensure the container is positioned correctly to catch all material.

## 4.5 Stopping the Mixer

After discharging, return the drum to its upright position. Press the 'OFF' button to stop the motor. Always unplug the mixer from the power source when not in use.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your concrete mixer.

- **Cleaning after each use:** Immediately after use, clean the inside and outside of the drum. Add water and a small amount of gravel to the drum and run the mixer for a few minutes to dislodge hardened concrete. Rinse thoroughly. Do not use high-pressure water directly on the motor or electrical components.
- **Inspect electrical cord:** Regularly check the power cord for cuts, fraying, or damage. Replace immediately if any damage is found.
- **Lubrication:** Periodically lubricate moving parts such as the drum bearings and tilting mechanism according to the manufacturer's recommendations (refer to any specific lubrication points on the mixer itself).
- **Storage:** Store the mixer in a dry, covered area to protect it from weather elements. Ensure it is clean and unplugged before storage.
- **Fastener check:** Periodically check all nuts, bolts, and screws for tightness and re-tighten as necessary.

## 6. TROUBLESHOOTING

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

- **Mixer does not start:**
  - Check if the power cord is securely plugged into a live outlet.
  - Verify the circuit breaker or GFCI has not tripped.
  - Ensure the 'ON' button is pressed.
  - Inspect the power cord for damage.
- **Motor runs but drum does not rotate:**
  - Check for obstructions inside the drum.
  - Inspect the drive belt (if applicable) for damage or slippage.
- **Poor mixing quality:**
  - Ensure correct proportions of materials are being used.
  - Check if the mixing paddles inside the drum are clean and intact.
  - Avoid overloading the drum.
- **Excessive noise or vibration:**
  - Ensure the mixer is on a level surface.
  - Check for loose fasteners and tighten them.
  - Inspect drum bearings for wear.

If problems persist after attempting these solutions, contact customer support.

## 7. SPECIFICATIONS

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Feature	Specification
Model	B071JTGKSJ
Brand	Altrad
Drum Capacity	165 Liters
Motor Type	Monophase Electric
Voltage / Frequency	230 V / 50 Hz
Motor Power	700 W
Protection Rating	IP44
Noise Emission	70 dB
Item Weight	29.5 kg
Power Source	Corded Electric

## 8. WARRANTY INFORMATION

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This Altrad concrete mixer is covered by a standard manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the documentation provided at the time of purchase or contact your retailer.

## 9. SUPPORT

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For technical assistance, spare parts, or any questions regarding your Altrad 165L Electric Concrete Mixer, please contact the retailer from whom you purchased the product. They will be able to provide the most accurate and timely support. When contacting support, please have your model number (B071JTGKSJ) and proof of purchase readily available.