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› Cimcame 5.7 Cu Ft 160L Portable Electric Cement Mixer User Manual

Cimcame 5.7 Cu Ft

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1. INTRODUCTION

Thank you for choosing the Cimcame 5.7 Cu Ft 160L Portable Electric Cement Mixer. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new mixer. Please read these instructions carefully before use and retain them for future reference.



Concrete



Sandstone



Mortar



Feeds



Seeds

Figure 1.1: The Cimcame 5.7 Cu Ft 160L Portable Electric Cement Mixer.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

General Safety

- Read and understand all instructions before operating the mixer.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating mixer.
- Do not operate the mixer in wet or damp conditions.
- Always disconnect power before performing any maintenance or cleaning.

Electrical Safety

- Ensure the power supply matches the specifications of the mixer (110V/60Hz).
- Use a grounded outlet and avoid using extension cords unless absolutely necessary. If an extension cord is required, ensure it is rated for outdoor use and has a sufficient gauge for the mixer's wattage.
- Never operate the mixer with a damaged power cord or plug.
- Do not expose the motor or electrical components to water.

Operational Safety

- Do not overload the mixer drum. Adhere to the specified capacities.
- Keep hands and tools away from the rotating drum and mixing paddles during operation.
- Secure the mixer on a stable, level surface before starting.
- Always engage the safety lock on the tilting wheel when adjusting the drum angle or when the mixer is in use.

3. PRODUCT OVERVIEW

The Cimcame 5.7 Cu Ft 160L Portable Electric Cement Mixer is designed for efficient mixing of various materials. Key features include:

- **Large Drum Capacity:** Gross volume of 160 liters (5.7 Cu Ft), with an unmixed dry volume of 115 liters and a mixed wet volume of 95 liters.
- **Powerful Motor:** Equipped with a 650W (0.9HP) copper motor operating at 2800 RPM for thorough mixing.
- **Durable Construction:** Made from heavy-duty steel with a powder-coated finish for rust and corrosion resistance. Features a cast iron gear ring and sturdy metal support.
- **360° Rotational Mixing:** Spring-loaded disc tilting wheel with a safety lock allows for easy adjustment of the drum angle.
- **High Mobility:** Two 9-inch durable rubber wheels enable easy transport.
- **Versatile Applications:** Suitable for mixing concrete, mortar, stucco, as well as agricultural uses like inoculating seeds and mixing feeds.



Figure 3.1: The mixer is suitable for a variety of materials including concrete, mortar, and seeds.



Figure 3.2: Key structural components including metal support, wheels, bottom bearing, and cast iron gear ring.

4. ASSEMBLY INSTRUCTIONS

The mixer comes with all necessary hardware and a step-by-step manual for assembly. Follow the visual guide below and the included instructions for a quick and hassle-free setup.

Assembly Steps:

1. Unpack all components and verify against the parts list.
2. Assemble the main frame and support legs.
3. Attach the wheel assembly to the frame.
4. Mount the motor housing to the frame.
5. Assemble the drum halves and attach them to the main shaft.
6. Install the mixing paddles inside the drum.

7. Attach the tilting wheel and safety lock mechanism.
8. Ensure all bolts and fasteners are securely tightened.



Figure 4.1: Visual guide for the mixer assembly process.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your cement mixer.

Preparation:

- Place the mixer on a firm, level surface.
- Ensure the power cord is safely routed and connected to a grounded 110V/60Hz outlet.
- Verify that the drum is clean and free of debris.
- Prepare your mixing materials (water, cement, aggregate, etc.).

Mixing Process:

1. **Start the Mixer:** Turn on the power switch. The drum will begin to rotate.
2. **Add Water:** With the drum rotating, slowly add the required amount of water first. This helps prevent dry mix from sticking to the drum.
3. **Add Dry Mix:** Gradually add your dry materials (e.g., concrete, mortar, seeds) into the rotating drum. Avoid adding large quantities at once to prevent overloading.
4. **Mix Thoroughly:** Allow the materials to mix until a consistent and uniform consistency is achieved. The 360° rotation ensures thorough mixing.
5. **Adjust Drum Angle:** Use the spring-loaded disc tilting wheel to adjust the drum angle as needed for optimal mixing or discharge. Always engage the safety lock after adjusting.
6. **Discharge Material:** Once mixing is complete, tilt the drum to discharge the mixed material into a wheelbarrow or container.
7. **Stop the Mixer:** Turn off the power switch and disconnect from the power source.

360° MIXING



- Gross Drum Volume:
160 liters
- Unmixed Dry Volume:
115 liters
- Mixed Wet Volume:
95 liters



Figure 5.1: The mixer's drum capacity and 360° mixing capability.

EASY OPERATION



Figure 5.2: The tilting wheel allows for easy adjustment of the drum angle.

6. MAINTENANCE

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

After Each Use:

- **Clean the Drum:** Immediately after use, clean the inside and outside of the drum. A common method is to add water and a small amount of gravel to the drum and let it run for a few minutes, then rinse thoroughly.
- **Clean Exterior:** Wipe down the exterior of the mixer, especially the motor housing, to remove any splashes or dust. Do not use a high-pressure washer directly on electrical components.
- **Inspect Power Cord:** Check the power cord and plug for any signs of damage.

Periodic Maintenance:

- **Check Fasteners:** Periodically inspect all bolts, nuts, and screws to ensure they are tight. Tighten as necessary.

- **Lubrication:** Lubricate moving parts, such as the tilting mechanism and wheel axles, with appropriate grease or oil as needed.
- **Inspect Gear Ring:** Check the cast iron gear ring for wear or damage.
- **Motor Inspection:** Ensure the motor vents are clear of debris to prevent overheating.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Mixer does not start	No power supply Damaged power cord/plug Overload protection tripped	Check power connection and outlet Inspect cord/plug for damage; replace if necessary Reset circuit breaker or allow motor to cool
Poor mixing results	Incorrect material ratio Overloaded drum Worn mixing paddles	Adjust material proportions Reduce batch size Inspect and replace paddles if worn
Excessive noise or vibration	Loose fasteners Unbalanced load Worn bearings/gears	Tighten all bolts and nuts Ensure even distribution of materials Inspect bearings and gear ring; contact support if severe
Drum not tilting smoothly	Lack of lubrication Debris in mechanism Damaged tilting wheel/lock	Lubricate tilting mechanism Clean debris from tilting area Inspect for damage; contact support

8. SPECIFICATIONS

Detailed technical specifications for the Cimcame 5.7 Cu Ft 160L Portable Electric Cement Mixer.

Specification	Value
Model Number	5.7 Cu Ft
Part Number	1007020-1
Gross Drum Volume	160 Liters (5.7 Cu Ft)
Unmixed Dry Volume	115 Liters
Mixed Wet Volume	95 Liters
Motor Power	650 Watts (0.9 HP)
Motor Speed	2800 RPM
Voltage	110 Volts
Frequency	60 Hz
Material	Steel

Specification	Value
Product Dimensions (L x W x H)	47.2 x 25.6 x 47.2 inches
Wheel Size	9 inches

Product Size

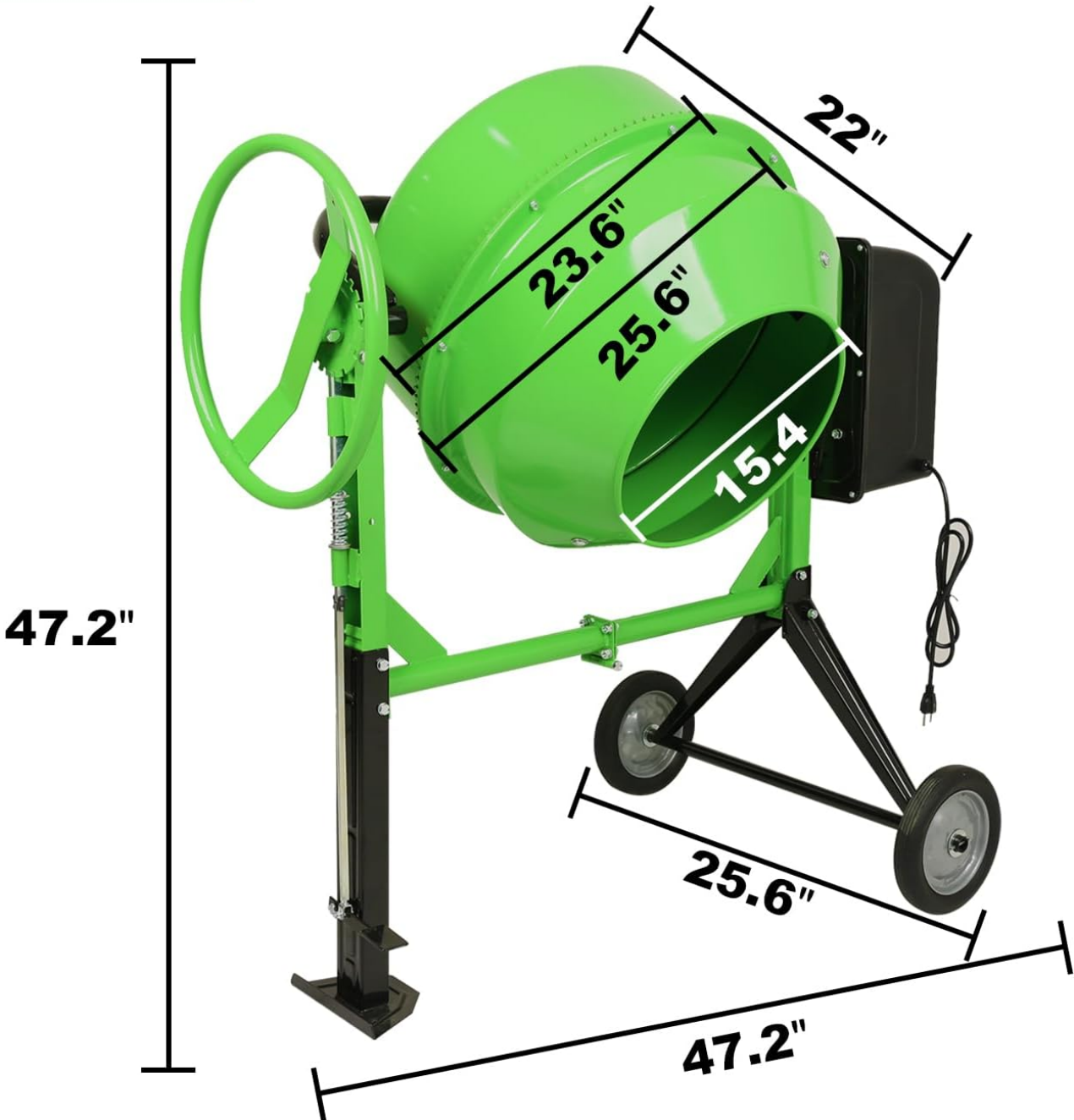


Figure 8.1: Product dimensions of the mixer.



INPUT
110v/60Hz

MOTOR SIZE
650w

MOTOR SPEED
2800 rmp

PREMIUM MOTOR

Figure 8.2: Motor specifications and electrical input details.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact Cimcame customer service. Refer to your purchase documentation for specific contact details or visit the official Cimcame website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question