

IMAYCC IMAYCC-JHDE007B

IMAYCC 2100W Electric Concrete Drill Mixer User Manual

Model: IMAYCC-JHDE007B

1. INTRODUCTION

Thank you for choosing the IMAYCC 2100W Electric Concrete Drill Mixer. This powerful and versatile tool is designed for efficient mixing of various medium-viscosity materials. Please read this manual carefully before operation to ensure safe and effective use, and to prolong the life of your mixer.

This mixer is ideal for blending paints, cements, resins, inks, thin-wall mortars, gypsum, cement-based adhesives, and fodder. Its robust pure copper motor and ergonomic design provide reliable performance for your construction and DIY projects.

Important Note:

- This product is not suitable for highly viscous concrete mixtures containing large quantities of aggregates (e.g., large rocks or gravel).
- Always ensure the mixing paddle is fully submerged in the material before starting the mixer.



Image 1.1: IMAYCC 2100W Electric Concrete Drill Mixer, showcasing its robust design.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the mixer before operation.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, a dust mask, and appropriate gloves.
- **Work Area Safety:** Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Ensure the power supply voltage matches the specifications on the mixer. Do not expose power tools to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Secure the Workpiece:** Always ensure the container holding the material to be mixed is stable and secure.

- **Maintain Control:** Hold the mixer firmly with both hands using the ergonomic handles. Be prepared for torque reactions, especially when starting or stopping.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Disconnect Power:** Always unplug the mixer from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Keep Children Away:** Do not allow children or untrained personnel to operate the mixer.
- **Inspect Before Use:** Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.
- **Use Correct Accessories:** Only use mixing paddles and accessories designed for this mixer.
- **Proper Ventilation:** Ensure adequate ventilation in the work area, especially when mixing materials that produce fumes or dust.

3. PRODUCT COMPONENTS

Familiarize yourself with the parts of your IMAYCC Electric Concrete Drill Mixer:

- **Motor Unit:** The main housing containing the 2100W pure copper motor.
- **Ergonomic Handles:** Dual-grip handles designed for comfortable and stable operation.
- **ON/OFF Switch:** Activates and deactivates the mixer.
- **ON/OFF Switch Lock:** Allows for continuous operation without holding the trigger.
- **6-Speed Selector:** Dial for adjusting the mixing speed from 1 to 6.
- **M14 Quick Thread Interface:** Connection point for the mixing paddle shaft.
- **Tool Connection Shaft:** The extension rod connecting the mixer to the paddle.
- **Mixing Paddle (Dual-Paddle Mixer):** The attachment used for stirring materials.
- **External Carbon Brush Holder:** Allows for easy replacement of carbon brushes.
- **Power Cord:** For connecting the mixer to an electrical outlet.
- **Accessories:** Includes wrenches for assembly and protective gloves.

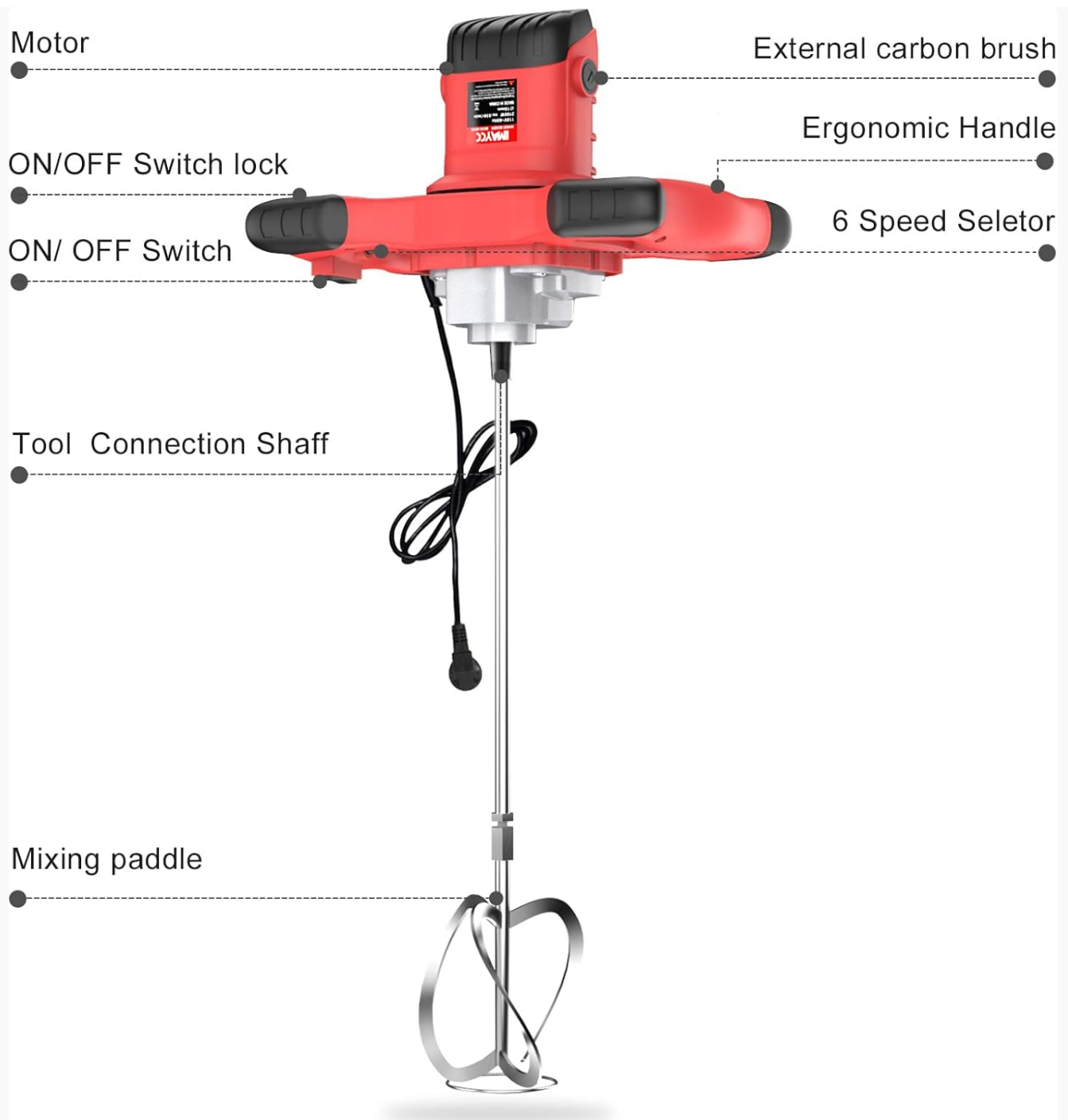


Image 3.1: Labeled diagram of the mixer's main components.



Image 3.2: Detailed view of the mixer showing the aluminum gearbox, dual-paddle mixer, M14 quick thread interface, and 6-speed adjust dial.



Image 3.3: Close-up of the ergonomic handle for comfortable grip.

4. SETUP

Follow these steps to assemble your mixer before first use:

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all components listed in Section 3 are present.
2. **Assemble Mixing Paddle:** The mixing paddle may come in two parts. Connect the two sections of the paddle securely.
3. **Attach Paddle to Shaft:** Thread the assembled mixing paddle onto the tool connection shaft. Use the provided wrenches to tighten it firmly.
4. **Connect Shaft to Mixer Unit:** Insert the tool connection shaft into the M14 quick thread interface on the mixer unit. Rotate and tighten until it is securely fastened. Ensure there is no wobble.
5. **Inspect Connections:** Double-check all connections to ensure they are tight and secure before plugging in the mixer.

ELECTRIC MIXER FEATURES

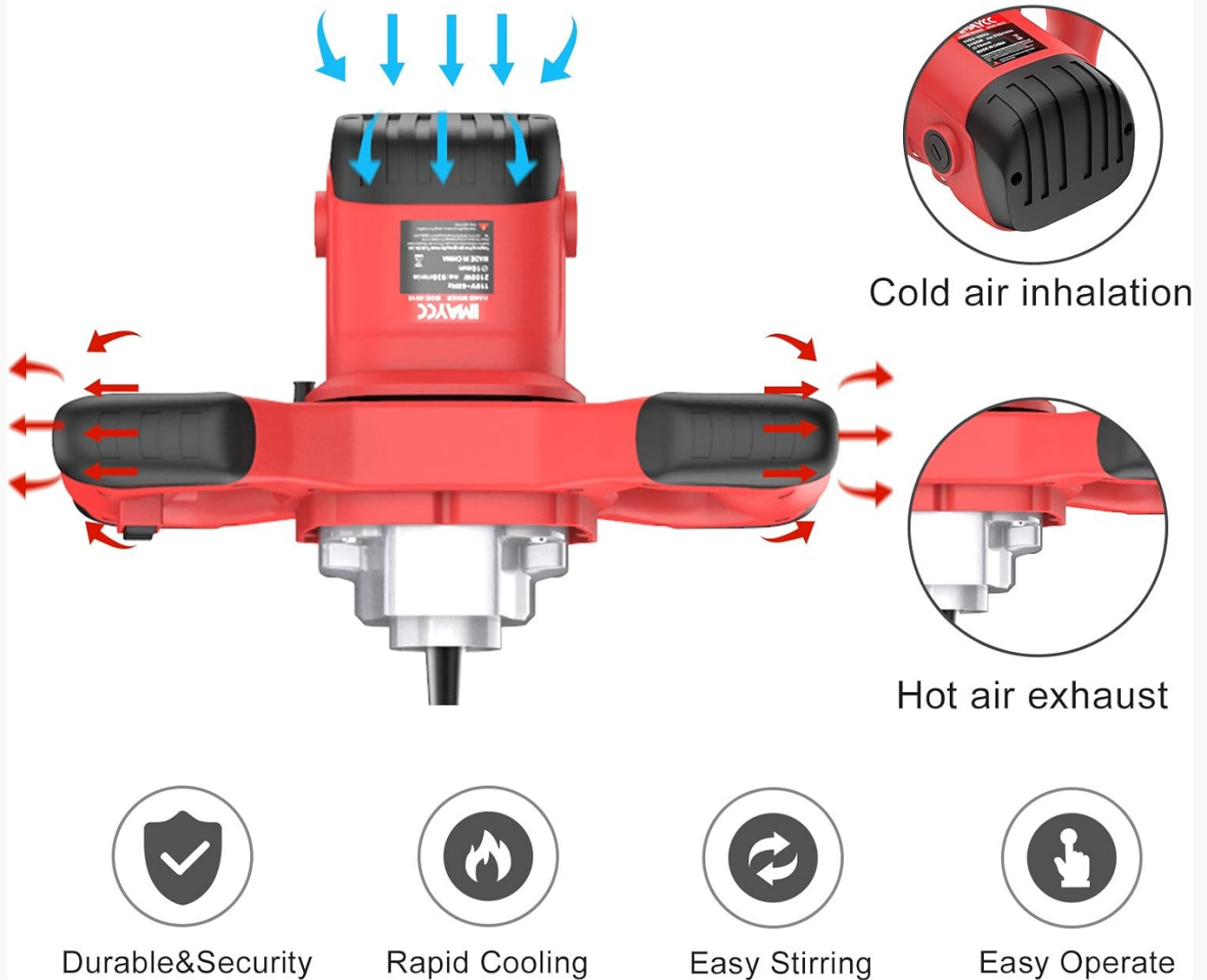


Image 4.1: Overview of mixer components and assembly points.



Image 4.2: Mixer dimensions for reference during setup and storage.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your IMAYCC mixer:

1. **Prepare Material:** Place the material to be mixed in a sturdy, appropriate-sized container. Ensure the container is stable and will not tip over during mixing.
2. **Connect Power:** Plug the mixer into a suitable 220V power outlet.
3. **Select Speed:** Use the 6-speed selector dial to choose the desired mixing speed. Start with a lower speed (1-2) for initial mixing to prevent splashing, then increase as needed.
4. **Submerge Paddle:** Before starting the mixer, fully submerge the mixing paddle into the material. This prevents splashing and ensures efficient mixing from the start.
5. **Start Mixing:** Press the ON/OFF switch to start the mixer. For continuous operation, engage the ON/OFF switch lock.

6. **Mix Thoroughly:** Move the mixer slowly through the material, ensuring all parts are thoroughly blended. Avoid hitting the sides or bottom of the container forcefully.
7. **Stop Mixing:** Release the ON/OFF switch (or disengage the lock) to stop the mixer. Lift the paddle out of the material only after it has completely stopped rotating.
8. **Clean After Use:** Refer to the Maintenance section for cleaning instructions.

Applications:

The IMAYCC mixer is suitable for a wide range of materials:

- Paint
- Plaster
- Mortar
- Cement Slurry
- Fodder
- Resins and Inks
- Gypsum and Adhesives

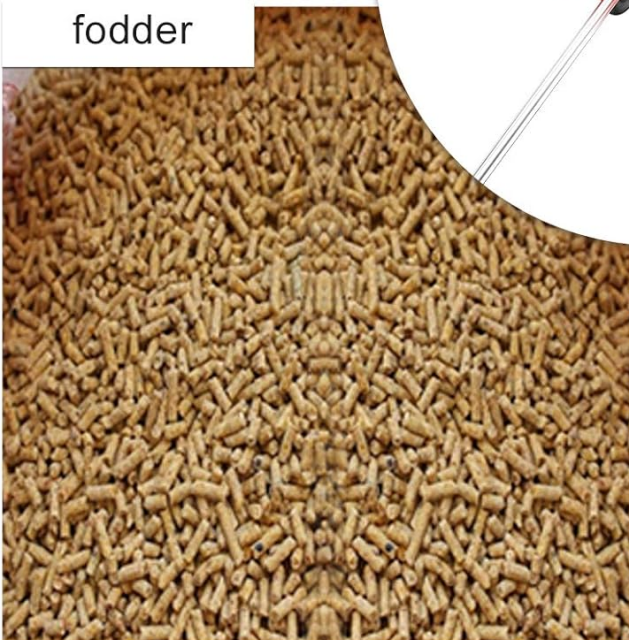
paint



plaster



fodder



mortar



Image 5.1: Visual examples of materials suitable for mixing: paint, plaster, fodder, and mortar.



Image 5.2: The mixer in use, demonstrating proper handling with both hands.



Image 5.3: Close-up of the 6-speed adjustment feature.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your mixer.

- **Cleaning:** After each use, unplug the mixer and clean the mixing paddle and shaft thoroughly. Remove any residual material before it dries and hardens. Use a damp cloth to wipe down the motor unit, avoiding water entry into ventilation openings.
- **Carbon Brush Replacement:** The mixer features an external carbon brush holder for easy access. When the motor performance decreases or sparks become excessive, the carbon brushes may need replacement. Unplug the mixer, unscrew the external brush caps, remove the old brushes, and insert new ones. Securely replace the caps.
- **Ventilation Openings:** Keep the ventilation openings on the motor unit clear of dust and debris to ensure efficient heat dissipation.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it replaced by a qualified technician.
- **Storage:** Store the mixer in a dry, clean, and secure location, out of reach of children.



Image 6.1: External carbon brush holder for convenient maintenance.

ELECTRIC MIXER FEATURES

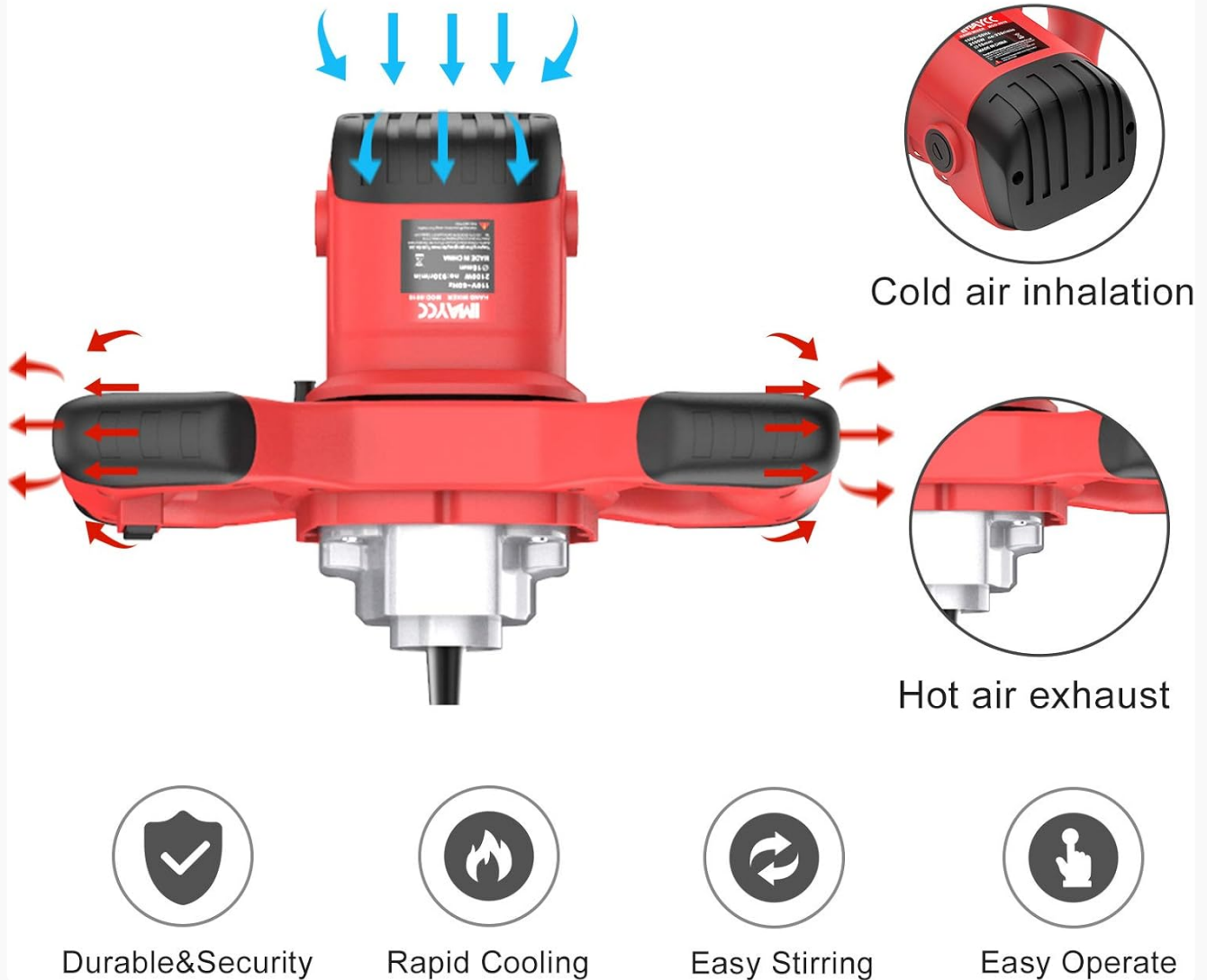


Image 6.2: The mixer's porous heat dissipation design for rapid cooling.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Mixer does not start	No power supply Faulty ON/OFF switch Worn carbon brushes	Check power connection and outlet Contact customer support Replace carbon brushes (refer to Section 6)
Reduced power or speed	Worn carbon brushes Overload Incorrect speed setting	Replace carbon brushes Reduce load or material viscosity Adjust speed selector to a higher setting
Excessive sparking from motor	Worn carbon brushes Motor fault	Replace carbon brushes Discontinue use and contact customer support

Problem	Possible Cause	Solution
Overheating	Blocked ventilation openings Continuous heavy load	Clean ventilation openings Allow mixer to cool down; avoid prolonged heavy use

If the problem persists after attempting these solutions, please contact IMAYCC customer support.

8. SPECIFICATIONS

Key technical specifications for the IMAYCC Electric Concrete Drill Mixer:

- **Model Number:** IMAYCC-JHDE007B
- **Manufacturer:** IMAYCC
- **Power Output:** 2100 Watts
- **Voltage:** 220 Volts
- **Speed Regulation:** 6-speed constant power adjustment
- **Mixing Interface:** M14 Quick Thread
- **Motor Type:** Pure Copper Motor
- **Cooling System:** Porous heat dissipation design
- **Package Dimensions:** 37.1 x 23.7 x 19.8 cm
- **Item Weight:** 4.23 kg
- **Color:** Red
- **Included Components:** Mixer unit, mixing paddle, wrenches, gloves
- **Country of Origin:** China

9. WARRANTY AND SUPPORT

Warranty information for this product is not explicitly provided in the available product details. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact the seller directly.

For technical support, spare parts inquiries, or any operational questions not covered in this manual, please contact the IMAYCC customer service or the retailer from whom you purchased the product. Please have your model number (IMAYCC-JHDE007B) and purchase date ready when contacting support.

