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Scheppach MIX180

Scheppach MIX180 Concrete Mixer User Manual

Model: MIX180

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your Scheppach MIX180 Concrete Mixer. Please read these instructions carefully before using the machine to ensure proper function and to prevent injury or damage.



Image 1.1: Full view of the Scheppach MIX180 concrete mixer, showing its blue drum, motor housing, frame, and wheels.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

2.1 General Safety

- **Read all instructions:** Familiarize yourself with the controls and proper use of the equipment.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, hearing protection, gloves, and sturdy footwear.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Do not operate in explosive atmospheres:** Do not use the mixer in the presence of flammable liquids,

gases, or dust.

- **Keep children and bystanders away:** Distractions can cause you to lose control.
- **Secure the mixer:** Ensure the mixer is on a stable, level surface before operation to prevent tipping.

2.2 Electrical Safety

- **Grounding instructions:** The mixer must be properly grounded. Consult a qualified electrician if you are unsure.
- **Avoid body contact with grounded surfaces:** Such as pipes, radiators, ranges, and refrigerators.
- **Do not expose to rain or wet conditions:** Water entering the mixer will increase the risk of electric shock.
- **Do not abuse the cord:** Never use the cord for carrying, pulling, or unplugging the mixer. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Use an appropriate extension cord:** If an extension cord is necessary, ensure it is rated for outdoor use and has the correct gauge for the mixer's power requirements.

3. COMPONENTS AND ASSEMBLY

The Scheppach MIX180 concrete mixer requires assembly. It is recommended to have two people for assembly due to the weight and size of components. Refer to the included assembly diagram for detailed steps.

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect all parts for damage. If any parts are damaged or missing, do not proceed with assembly. Contact customer support.
3. Verify all parts against the parts list provided in the separate assembly guide.

3.2 Assembly Steps (General)

While specific steps are in the dedicated assembly guide, general assembly involves:

- Attaching the support frame and legs.
- Mounting the wheels to the frame.
- Assembling the drum halves and attaching them to the main shaft.
- Installing the mixing paddles inside the drum.
- Mounting the motor unit and electrical components.
- Attaching the tilting wheel/handle.

Note: Ensure all bolts and fasteners are securely tightened after assembly. Periodically check tightness during use.

4. OPERATION

4.1 Pre-Operation Checks

- Ensure the mixer is on a firm, level surface.
- Check that all electrical connections are secure and the power cord is undamaged.

- Verify that the drum is clean and free of debris from previous use.
- Confirm that the tilting mechanism operates smoothly.

4.2 Mixing Process

1. **Positioning:** Place the mixer in a suitable location, ensuring adequate space for loading and unloading.
2. **Power On:** Plug the mixer into a suitable power outlet and switch it on. The drum should begin to rotate.
3. **Loading Materials:** With the drum rotating, gradually add the required ingredients (water, cement, sand, aggregate) in the recommended order for your mix. Typically, a small amount of water is added first, followed by cement, then sand and aggregate, with the remaining water added as needed.



Image 4.1: An operator wearing safety gear uses a shovel to load dry materials into the rotating drum of the concrete mixer.

4. **Mixing:** Allow the materials to mix thoroughly until a consistent, lump-free concrete or mortar is achieved. The internal paddles ensure effective blending.



Image 4.2: A close-up view inside the blue mixer drum, showing the internal paddles actively mixing concrete with small stones and cement.

5. **Unloading:** Once mixed, use the tilting wheel to carefully tilt the drum and discharge the concrete into a wheelbarrow or other suitable container.



Image 4.3: An operator tilts the mixer drum using the large black wheel, allowing freshly mixed concrete to pour into a wheelbarrow positioned below.

6. **Power Off:** After unloading, switch off the mixer and unplug it from the power source.

4.3 Mixing Tips

- Do not overload the mixer beyond its 180L capacity. Overloading can strain the motor and reduce mixing efficiency.
- For optimal mixing, ensure the drum is rotating before adding materials.
- Adjust the drum angle for best mixing results and ease of loading/unloading.

5. MAINTENANCE AND CLEANING

Regular maintenance and cleaning will extend the life of your concrete mixer and ensure safe operation.

5.1 After Each Use

- **Clean the drum:** Immediately after use, clean the inside of the drum to prevent concrete from hardening. Add water and some gravel to the drum and let it mix for a few minutes, then discharge and rinse thoroughly.

- **Clean exterior:** Wipe down the exterior of the mixer, especially the motor housing, to remove any splashes or dust. Ensure the motor's cooling vents are clear.
- **Inspect power cord:** Check the power cord for any cuts, abrasions, or damage.

5.2 Periodic Maintenance

- **Lubrication:** Periodically lubricate moving parts, such as the tilting mechanism and drum bearings, according to the manufacturer's recommendations (refer to the full manual if available).
- **Fastener check:** Regularly check all bolts and fasteners for tightness and re-tighten as necessary.
- **Gear inspection:** Inspect the cast iron gears for wear or damage.

5.3 Storage

Store the mixer in a dry, protected area when not in use. If storing outdoors, cover it to protect it from weather elements.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Scheppach MIX180 concrete mixer.

Problem	Possible Cause	Solution
Mixer does not start	No power supply Faulty power switch Motor overload protection tripped	Check power connection and circuit breaker Inspect power switch for damage; contact service if faulty Allow motor to cool; reduce load
Drum does not rotate smoothly or makes unusual noise	Overload Worn gears Loose fasteners Debris in drum mechanism	Reduce amount of material Inspect and replace worn gears if necessary Check and tighten all bolts and fasteners Clean drum and surrounding mechanism thoroughly
Mixer rocks or is unstable during operation	Uneven surface Loose frame connections Overload	Place mixer on a firm, level surface Check and tighten all frame bolts Reduce material load to within capacity
Concrete sticks inside drum	Insufficient cleaning after previous use Mix too dry	Clean drum immediately after each use Adjust water content for proper consistency

If you encounter problems not listed here or if solutions do not resolve the issue, contact Scheppach customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Scheppach
Model	MIX180
Manufacturer Model Number	5908406901
Power	650 Watts
Voltage	230 Volts
Drum Capacity	180 Liters
Rotation Speed	29.5 min ⁻¹
Product Dimensions (L x W x H)	127 x 85 x 135 cm
Weight	56 Kilograms
Gear Material	Cast Iron

8. WARRANTY AND CUSTOMER SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Scheppach website. Keep your proof of purchase for any warranty claims.

If you require technical assistance, spare parts, or have questions regarding your Scheppach MIX180 concrete mixer, please contact Scheppach customer support. Contact details can typically be found on the manufacturer's website or in the product packaging.