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> Makita MAC100Q Quiet Series, 1/2 HP, 1 Gallon Compact, Oil-Free, Electric Air Compressor User Manual

Makita MAC100Q

Makita MAC100Q Quiet Series Air Compressor User Manual

MODEL: MAC100Q

Brand: Makita

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita MAC100Q Quiet Series, 1/2 HP, 1 Gallon Compact, Oil-Free, Electric Air Compressor. Please read this manual thoroughly before using the product and keep it for future reference.

The Makita MAC100Q is designed for quiet operation, making it ideal for indoor use. It features a durable roll-cage construction and an oil-free dual-piston pump for maintenance-free operation.

2. SAFETY INFORMATION

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

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the equipment.
- **Electrical Safety:** Ensure the power source matches the voltage requirements (120 Volts AC). Do not operate in wet conditions.
- **Personal Protective Equipment:** Always wear appropriate eye protection and hearing protection when operating the compressor.
- **Ventilation:** Operate the compressor in a well-ventilated area.
- **Hot Surfaces:** The compressor motor and pump can become hot during operation. Avoid touching hot surfaces.
- **Pressure Release:** Always drain the air tank and release all pressure before performing maintenance or storing the unit.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

For detailed safety guidelines, please refer to the official User Guide PDF available for download [Makita MAC100Q User](#)

3. PRODUCT OVERVIEW

The Makita MAC100Q is a compact and quiet air compressor designed for various applications such as trim and finish carpentry, case and base installation, and cabinet making. Its key features include:

- Quiet Series design at only 58 dB for operator and crew comfort; ideal for indoor use.
- Runs at a lower RPM (1,750) resulting in longer motor and pump life.
- Complete roll-cage construction provides protection to withstand a variety of job-site, transporting, and storage environments.
- Oil-free dual-piston pump designed for maintenance-free operation.
- Efficient 1/2 HP induction motor provides .7 CFM at 90 PSI with a maximum tank pressure of 135 PSI.
- Lightweight design for increased job site portability.

Product Components



Figure 3.1: Front View of Makita MAC100Q Air Compressor. This image shows the overall design of the compressor, highlighting the pressure gauges, regulator knob, and the Makita Quiet Series branding. The robust roll-cage frame is clearly visible, protecting the internal components.



Figure 3.2: Side View of Makita MAC100Q Air Compressor. This perspective illustrates the compact nature of the unit and shows the integrated power cord and internal motor components, protected by the roll-cage.



Figure 3.3: Top View of Makita MAC100Q Air Compressor. This image focuses on the top protective grate and visible warning labels regarding hot surfaces, emphasizing safety precautions during operation.



Figure 3.4: Drain Valve of Makita MAC100Q Air Compressor. A close-up view of the tank's drain valve, crucial for releasing condensed moisture and maintaining the tank's integrity.



Figure 3.5: Dimensions of Makita MAC100Q Air Compressor. This image provides a visual representation of the compressor's length, width, and height, indicating its compact size for portability.

No official product videos from the seller were found to be embedded in this manual.

4. SETUP

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage. Retain packaging for future transport or storage.
2. **Placement:** Place the compressor on a firm, level surface to ensure stability during operation. Ensure adequate clearance around the unit for proper ventilation.
3. **Power Connection:** Connect the compressor's power cord to a grounded 120 Volts AC electrical outlet. Ensure the circuit can handle the compressor's power requirements to avoid tripped breakers.
4. **Accessory Connection:** The compressor includes a 1/4" Universal Quick Coupler, Male (447013-E). Attach your air hose and desired air tool to this coupler. Ensure all connections are secure to prevent air leaks.

5. OPERATING INSTRUCTIONS

1. **Power On:** Plug in the compressor. The motor will start automatically to build pressure in the tank.
2. **Pressure Adjustment:** Use the regulator knob (typically located near the output gauge) to adjust the air pressure delivered to your tool. The tank pressure gauge shows the pressure inside the tank, while the regulated pressure gauge shows the output pressure.
3. **Tool Operation:** Once the desired pressure is set, operate your air tool according to its specific instructions. The compressor will cycle on and off automatically to maintain tank pressure.
4. **Power Off:** When finished, turn off the compressor by unplugging it from the power outlet.
5. **Release Air Pressure:** Before storing, always release all air pressure from the tank by opening the drain valve or using an air tool until the tank pressure gauge reads zero.

The MAC100Q operates at a quiet 58 dB, making it suitable for noise-sensitive environments.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor. The MAC100Q features an oil-free pump, significantly reducing maintenance requirements.

- **Drain Air Tank Daily:** Moisture accumulates in the air tank. To prevent rust and ensure proper operation, drain the tank daily after each use by opening the drain valve located at the bottom of the tank (refer to Figure 3.4).
- **Clean Air Filter:** Periodically inspect and clean the air filter. A clogged filter can reduce performance and shorten motor life. Refer to the full user manual for specific cleaning instructions.
- **Inspect Hoses and Connections:** Regularly check all air hoses and connections for wear, cracks, or leaks. Replace damaged components immediately.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Use a damp cloth to wipe down exterior surfaces.

7. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, consult a qualified service technician or the full user manual.

Problem	Possible Cause	Solution
Compressor does not start or trips breaker.	Not plugged in securely. Insufficient circuit capacity. Extension cord too long or too thin. Motor overload.	Check power connection. Plug into a dedicated circuit. Use a shorter, heavier gauge extension cord. Allow motor to cool; reset breaker if tripped.
Low air pressure or continuous running.	Air leaks in hose or connections. Drain valve open. Air filter clogged.	Check and tighten all connections; replace damaged hoses. Ensure drain valve is fully closed. Clean or replace air filter.
Excessive noise or vibration.	Loose components. Unit not on a level surface.	Check and tighten all fasteners. Place on a stable, level surface.

If problems persist, refer to the comprehensive troubleshooting section in the full user manual or contact Makita customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Makita
Model Name	Makita MAC100Q Quiet Series, 1/2 HP, 1 Gallon Compact, Oil-Free, Electric Air Compressor
Model Number	MAC100Q
Voltage	120 Volts (AC)
Power Source	Corded Electric
Motor Horsepower	0.5 HP
Capacity	1 Gallon
Maximum Operating Pressure	135 PSI
Air Flow Capacity	0.7 CFM at 90 PSI
Noise Level	58 dB
Item Weight	27.6 Pounds
Product Dimensions (L x W x H)	15.35"L x 14.57"W x 12.21"H
Included Components	1/4" Universal Quick Coupler, Male (447013-E)

Feature	Specification
UPC	088381897495

9. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please contact Makita customer service directly or visit their official website. Keep your purchase receipt as proof of purchase for warranty claims.

You can find more information and contact details on the official Makita store page: [Makita Store on Amazon](#).

For the complete user guide, download the PDF: [Makita MAC100Q User Guide \(PDF\)](#).