Makita MAC2400

Makita MAC2400 2.5 HP Big Bore™ Air Compressor User Manual

Model: MAC2400 | Brand: Makita

1. Introduction and Overview

The Makita MAC2400 is a portable electric oil-lubricated air compressor designed for professional and home use. Featuring Makita's Big Bore™ engineered pump, it delivers high output with reduced noise, ensuring efficient and durable performance for various applications. Its robust construction is built to withstand tough job site conditions, making it a reliable tool for a wide range of pneumatic tasks.

2. Key Features

- Cast iron pump with Big Bore cylinder and piston engineered for faster recovery time and improved performance.
- Powerful 2.5 HP 4-Pole motor produces 4.2 CFM at 90 PSI for increased productivity and lower noise.
- Roll-cage construction provides complete protection to withstand extreme jobsite environments.
- Low AMP draw reduces incidences of tripped breakers at start-up.
- Pump is oil-lubricated for cooler running temperatures and reduced wear.
- Durable cast iron cylinder reduces wear and increases pump life; removable for easy maintenance.
- Large automotive style industrial air filter for increased air intake and greater efficiency.
- Pump runs at lower RPM (1,730) resulting in lower noise (79dB) and improved pump durability.

3. Included Components

The Makita MAC2400 Air Compressor package includes the following:

- Makita MAC2400 2.5 HP Air Compressor Unit
- Air Compressor Oil (Part Number: 181122-A)
- 1/4" Universal Quick Coupler, Male (Part Number: 447013-E)

4. Setup

Follow these steps to set up your Makita MAC2400 Air Compressor:

1. **Unpack and Inspect:** Carefully remove the compressor from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping.
2. **Placement:** Place the compressor on a firm, level surface. This ensures proper operation, stability, and prevents tipping.
3. **Check Oil Level:** Locate the oil sight glass on the pump. Verify that the oil level is within the recommended range. If necessary, add the provided Makita air compressor oil.
4. **Power Connection:** Ensure the power switch on the compressor is in the OFF position. Connect the compressor's power cord to a grounded 120V AC power outlet.



Figure 4.1: Front view of the Makita MAC2400 Air Compressor, showing gauges and couplers.

5. Operating Instructions

To operate your Makita MAC2400 Air Compressor:

1. **Power On:** Once properly set up, turn the power switch to the ON position. The compressor will begin to build air pressure in the twin-stacked tanks until it reaches its maximum operating pressure of 130 PSI.
2. **Adjust Regulator Pressure:** Use the regulator PSI knob to set the desired output pressure for your specific air tool. The compressor delivers 4.2 CFM at 90 PSI, suitable for various applications.
3. **Connect Air Tool:** Attach your air tool to one of the 1/4-inch universal quick couplers. Ensure a secure connection before beginning work.
4. **Monitor Gauges:** Keep an eye on the tank pressure gauge and the regulated pressure gauge during operation to ensure consistent performance.



Figure 5.1: The Makita MAC2400 Air Compressor in a typical job site setting, ready for use.

6. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your Makita MAC2400 air compressor:

- **Oil Level Check:** Periodically check the oil level using the oil sight glass. Maintain the oil level within the recommended range to ensure proper lubrication of the Big Bore™ pump.
- **Oil Change:** Refer to the full user guide for recommended oil change intervals. Use only specified Makita air compressor oil (Part Number: 181122-A). The convenient oil drain makes this process easier.
- **Tank Drain:** After each use, or at least daily, drain condensation from the air tank using the tank drain valve. This prevents rust and extends the life of the tank.
- **Air Filter Inspection:** Inspect and clean or replace the large automotive-style air filter as needed to ensure proper air intake and efficiency.
- **Cylinder Maintenance:** The easily removable cast iron cylinder reduces wear and allows for increased pump life and simplified maintenance.

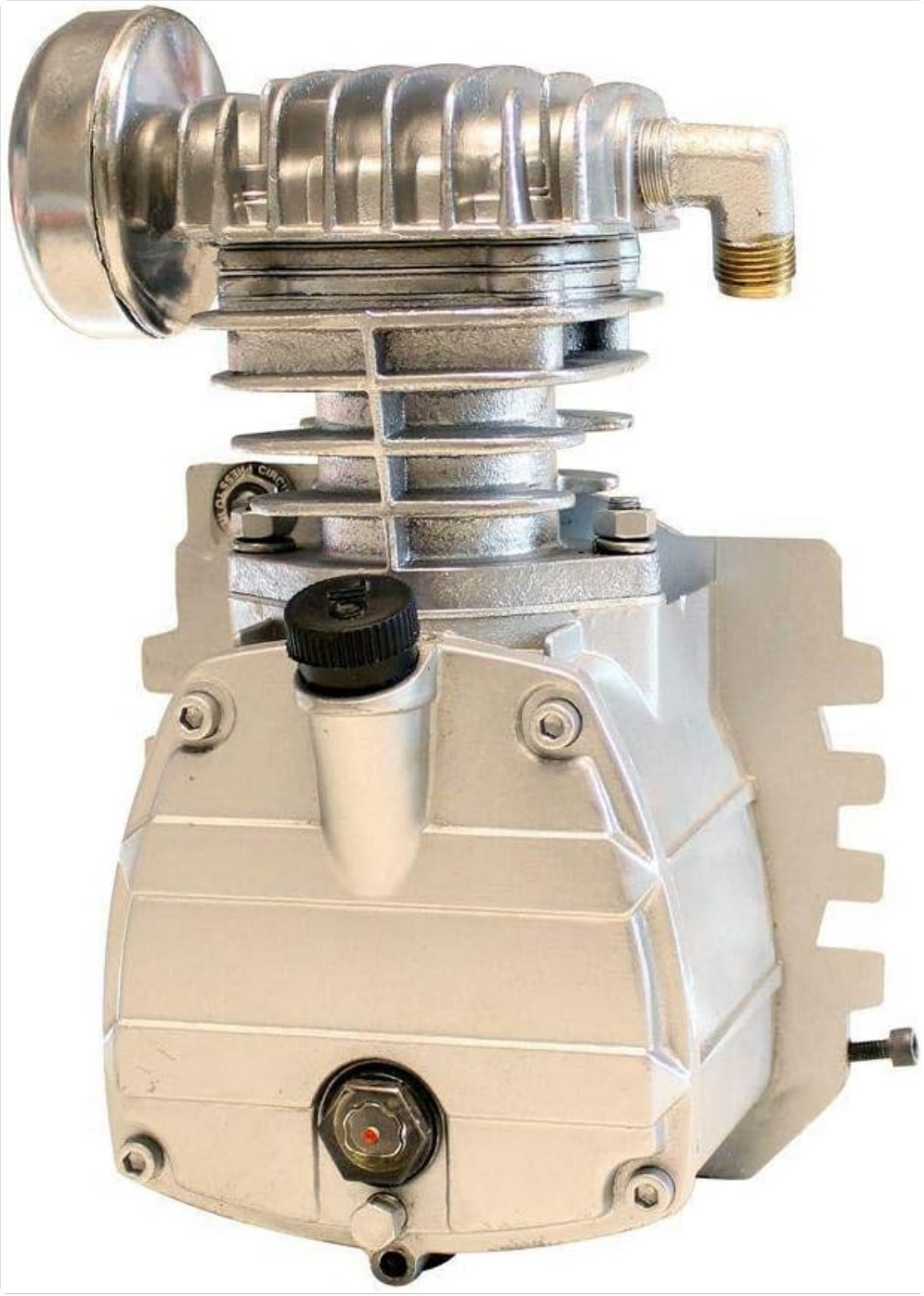


Figure 6.1: Close-up view of the Makita MAC2400's Big Bore™ pump assembly, highlighting its robust cast iron construction.

7. Troubleshooting

If you encounter issues with your Makita MAC2400 Air Compressor, consider the following general troubleshooting tips:

- **Compressor Not Starting:** Check the power connection, ensure the outlet is functional, and verify that the circuit breaker has not tripped.
- **Low Air Pressure/Slow Recovery:** Ensure the air filter is clean, check for air leaks in hoses or connections, and verify the regulator setting.
- **Excessive Noise/Vibration:** Ensure the compressor is on a stable, level surface. Check for loose components or worn parts.

For more detailed troubleshooting steps and solutions, please refer to the comprehensive user guide available on the Makita website or contact Makita customer support.

8. Specifications

Specification	Value
Brand	Makita
Model Name	Makita MAC2400 2.5 HP* Big Bore™ Air Compressor
Voltage	120 Volts
AC Adapter Current	12.3 Amps
Maximum Power	2.5 Horsepower
Tank Volume	4.2 Gallons
Air Flow Capacity	4.2 Cubic Feet Per Minute (CFM) at 90 PSI
Noise Level	79 dB
Product Dimensions (L x W x H)	20.25" x 19.5" x 19.75"
Item Weight	80.8 pounds
Special Feature	Portable



Figure 8.1: Dimensions of the Makita MAC2400 Air Compressor for reference.

9. Warranty and Support

Every Makita tool is thoroughly inspected and tested before leaving the factory. If you are not satisfied with any Makita tool within 30 days of purchase, return it and Makita will provide a replacement or refund.

Each Makita tool is warranted to be free of defects from workmanship and materials for the period of **ONE YEAR** from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers.

For complete details regarding warranty, service, and additional support, please visit the official Makita website at makitatools.com or call Makita customer service at **800/4-MAKITA (800/462-5482)**.

© 2024 Makita Corporation. All rights reserved.

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

you@example.com

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