

MZZ AIR COMPRESSOR MZZ-850H-9

MZZ-850H-9 2.4 Gallon Ultra Quiet Oil-Free Air Compressor Instruction Manual

Model: MZZ-850H-9

1. INTRODUCTION

Thank you for choosing the MZZ-850H-9 2.4 Gallon Ultra Quiet Oil-Free Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor. This unit is designed for various applications including spray painting, auto repair, carpentry decoration, and powering pneumatic tools. Its ultra-quiet, oil-free design ensures a clean and comfortable working environment.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this air compressor. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

General Safety Precautions:

- **Electrical Safety:** Ensure the power source is 110V/60Hz as specified. Do not operate the compressor with a damaged cord or plug.
- **Personal Protective Equipment:** Always wear appropriate eye protection (safety glasses) and hearing protection (earplugs or earmuffs) when operating the compressor or air tools.
- **Work Area:** Operate the compressor in a well-ventilated area. Keep children and bystanders away. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Pressure Safety:** Never exceed the maximum operating pressure of the compressor or the air tool being used. The unit features a safety valve to prevent over-pressurization. Do not tamper with or disable the safety valve.
- **Oil-Free Design:** This compressor is oil-free, eliminating the risk of oil contamination in your air supply and reducing maintenance.
- **Tank Integrity:** The steel air storage tank features a three-layer protective structure (anti-rust, wear-resistant, plastic powder coating, and Q235B structural steel) for durability and to prevent gas leakage or potential explosion risks.
- **Drainage:** Drain moisture from the tank daily to prevent corrosion.

3. PRODUCT OVERVIEW

The MZB-850H-9 air compressor is a compact and portable unit designed for various tasks. Below are images highlighting its key features and components.



Figure 3.1: Main view of the MZB-850H-9 Air Compressor.

This image displays the overall design of the MZB-850H-9 air compressor, showcasing its compact form factor, integrated handle, and the dual motor assembly on top of the 2.4-gallon steel tank.



Figure 3.2: Front view showing the pressure gauge and controls.

A closer look at the front of the compressor, highlighting the pressure gauge for monitoring tank pressure, the ON/OFF switch, and the air outlet connection.



Figure 3.3: Side view illustrating the drain valve location.

This side view shows the location of the drain valve at the bottom of the air tank, crucial for daily moisture removal.

Key Features:

- **Ultra-Quiet Operation:** Operates at a low noise level of 72 decibels, comparable to a normal conversation.
- **Oil-Free Motor:** 1.0HP (0.85KW) motor requires no oil, ensuring clean air and reduced maintenance.
- **High Efficiency:** Fills the 2.4-gallon tank in approximately 27 seconds.
- **Durable Tank:** 2.4-gallon (9-liter) steel tank with a 3-layer protective structure for enhanced safety and longevity.
- **Portability:** Compact and lightweight design with an integrated handle for easy transport.
- **Automatic Shut-Off:** Features an automatic shut-off for safe and efficient operation.

4. SETUP

Follow these steps to set up your air compressor before first use.

4.1 Unpacking and Inspection

1. Carefully remove the compressor and all components from the packaging.
2. Inspect the unit for any signs of shipping damage. If damage is found, do not operate and contact your retailer.
3. Verify that all included components are present: 1 x Air Compressor, 1 x Manual, 1 x Accessory Bag.

4.2 Assembly

1. Attach the wheels and rubber stand feet as instructed in the accessory bag. Ensure they are securely fastened.
2. Position the compressor on a stable, level surface in a well-ventilated area.

4.3 Electrical Connection

1. Ensure the compressor's ON/OFF switch is in the "OFF" position.
2. Connect the power cord to a grounded 110-volt, 60-Hz electrical outlet.

5. OPERATING INSTRUCTIONS

Follow these steps for proper operation of your air compressor.

5.1 Initial Start-Up

1. With the compressor plugged in and the drain valve closed, turn the ON/OFF switch to the "ON" position.
2. The compressor will begin to fill the air tank. The tank can reach full pressure (115 PSI) in approximately 27 seconds.
3. The motor will automatically shut off once the maximum pressure is reached. It will restart automatically when the tank pressure drops below a preset minimum.

5.2 Connecting Air Tools

1. Ensure the air tool is rated for the compressor's operating pressure.
2. Connect your air hose to the compressor's air outlet.
3. Attach your desired air tool to the other end of the air hose.
4. Adjust the output pressure using the regulator knob (if equipped) to match the requirements of your air tool. The pressure gauge will display the current tank pressure.

5.3 Applications

This air compressor is suitable for a wide range of applications, including:

- Staple guns, brad nail guns, roofing nail guns, framing nail guns
- Spray guns (HVLP spray guns)
- Blow guns, air drills
- Tire inflation
- General auto repair and carpentry decoration tasks

WIDER APPLICATION

Meet both home and commercial needs



Home Decoration



Woodworking Spraying



Pneumatic Tools



Tire Inflation

Figure 5.1: Examples of compressor applications.

This image visually demonstrates various uses for the air compressor, including home decoration, woodworking spraying, pneumatic tools, and tire inflation.

5.4 Shutting Down

1. Turn the ON/OFF switch to the "OFF" position.
2. Unplug the compressor from the power outlet.
3. Bleed any remaining air pressure from the tank by opening the drain valve or using an air tool until the pressure gauge reads zero.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air compressor. This oil-free design simplifies maintenance significantly.

6.1 Daily Maintenance

- **Drain Tank:** After each use, or at least daily, open the drain valve at the bottom of the air tank to release any accumulated moisture. This prevents tank corrosion.
- **Clean Exterior:** Wipe down the exterior of the compressor with a clean, damp cloth to remove dust and debris.

6.2 Periodic Maintenance

- **Air Filter:** Periodically inspect the air filter for dirt or blockage. Clean or replace the filter cotton as needed to ensure proper airflow and prevent fine dust from entering the motor.
- **Check Connections:** Regularly check all hoses, fittings, and electrical connections for tightness and signs of wear or damage.
- **Safety Valve Test:** Periodically pull the ring on the safety valve to ensure it operates freely and releases air.

Note: As this is an oil-free compressor, there is no need for oil changes or checks.

7. TROUBLESHOOTING

This section provides solutions to common problems you might encounter. For issues not listed here, please contact customer support.

Problem	Possible Cause	Solution
Compressor does not start	No power; ON/OFF switch off; Thermal overload activated	Check power connection; Turn ON/OFF switch to ON; Allow motor to cool, then reset.
Low air pressure / Slow tank fill	Air leaks; Clogged air filter; Worn motor components	Check all connections for leaks; Clean/replace air filter; Contact service center.
Excessive noise or vibration	Loose components; Unit on uneven surface	Tighten all fasteners; Place on a stable, level surface.
Air leaks from safety valve	Safety valve stuck open; Tank over-pressurized	Pull ring to reseal valve; If over-pressurized, turn off and contact service.

8. SPECIFICATIONS

Detailed technical specifications for the MZB-850H-9 Air Compressor.

Specification	Value
Brand	MZB AIR COMPRESSOR
Model Name	Air Compressor (MZB-850H-9)
Voltage	110 Volts
Frequency	60 Hz
Motor Horsepower	1.0 HP (0.85 KW)
Tank Capacity	2.4 Gallons (9 Liters)
Maximum Operating Pressure	115 PSI (8.0 Bar)
Air Flow Capacity (CFM)	5.65 CFM
Air Flow Capacity (LPM)	160 Liters Per Minute
Noise Level	72 Decibels
Tank Fill Time	Approx. 27 seconds
Special Feature	Automatic Shut-Off

Specification	Value
Product Dimensions	19"L x 8"W x 19"H
Item Weight	29.2 pounds
Material	Metal (Steel Tank)
Included Components	1 x Air Compressor; 1 x Manual; 1 x Accessory Bag

9. PRODUCT VIDEO

Watch the official product video for a visual overview of the MZB-850H-9 Air Compressor's features and applications.



Video 9.1: MZB-850H-9 Air Compressor Overview.

This video provides a detailed look at the MZB-850H-9 air compressor, demonstrating its compact design, quiet operation, and various uses in different work environments.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included in your accessory bag or contact MZB AIR COMPRESSOR customer service directly. If you have any questions, require technical assistance, or need to report an issue, please reach out to the seller or manufacturer through the contact information provided with your purchase.