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› MZH VA-70 18.5 Gallon Ultra Quiet Air Compressor User Manual

## MZH AIR COMPRESSOR VA-70

# MZH VA-70 18.5 Gallon Ultra Quiet Air Compressor User Manual

Model: VA-70 | Brand: MZH AIR COMPRESSOR

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your MZH VA-70 18.5 Gallon Ultra Quiet Air Compressor. Please read this manual thoroughly before operating the unit and retain it for future reference.

### Important Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Ensure the compressor is used in a well-ventilated area, away from flammable materials. Wear appropriate personal protective equipment, including eye and hearing protection.

## 2. PRODUCT OVERVIEW

The MZH VA-70 is an 18.5-gallon ultra-quiet air compressor designed for various applications, from automotive repair to woodworking. It features a powerful 3.0HP motor, delivering 11.3CFM at 115PSI with a low noise level of 83dB.



Figure 2.1: MZB VA-70 18.5 Gallon Ultra Quiet Air Compressor with wheels.

### Key Features:

- **Wide Applications:** Suitable for automobile repair shops, woodworking studios, painting workshops, and various pneumatic tools like staple guns, nail guns, spray guns, and air drills.
- **Highly Efficient and Quiet:** Fills the pressure tank in approximately 81 seconds with an operating noise level of only 83 decibels. Equipped with professional silencers and thickened filter cotton to reduce noise and block dust.
- **Powerful Performance:** Features a 3.0HP motor rotating at 1050r/min, delivering 11.3CFM at 115PSI. The 18.5-gallon steel air storage tank ensures sufficient air volume for demanding tasks.
- **Safe and Reliable:** Driven by an oil-free 110V 60Hz motor, preventing oil pollution. The outer casing has a three-layer protective structure (anti-rust, plastic powder adhesion, Q235B structural steel) for durability, gas leakage prevention, and corrosion resistance.
- **Convenient Maintenance:** Simple design for effortless daily maintenance, reducing downtime and costs. High-quality materials ensure reliability and long service life.

# 3-LAYER PROCESS

Explosion-proof and leak-proof, indestructible



**1** Rust&Wear Resistant Layer

**2** Plastic Powder Attachment Layer

**3** Q235B Structural Steel

Figure 2.2: Illustration of the 3-layer protective tank construction: 1) Rust & Wear Resistant Layer, 2) Plastic Powder Attachment Layer, 3) Q235B Structural Steel.

# LOWER NOISE **83dB**

Ultra-low noise for comfortable and efficient work



Daily  
Conversation

Our Air  
Compressor

Street  
Environment



Figure 2.3: Noise level comparison showing the MZB Air Compressor at 83dB, compared to daily conversation (60dB) and street environment (88dB).

# WIDER APPLICATION

Meet both home and commercial needs



**Home Decoration**



**Woodworking Spraying**



**Pneumatic Tools**



**Automobile Repairs**

Figure 2.4: Examples of wide applications including Home Decoration, Woodworking Spraying, Pneumatic Tools, and Automobile Repairs.

## 3. SETUP

### 3.1 Unpacking and Inspection

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

### 3.2 Wheel and Handle Assembly

Attach the wheels and handle (if detachable) according to the diagrams in the accessory bag. Ensure all fasteners are securely tightened.



Figure 3.1: Close-up of the wheel assembly and the drain valve location.

### 3.3 Placement and Electrical Connection

1. Place the compressor on a firm, level surface in a clean, well-ventilated area.
2. Ensure the power switch is in the "OFF" position.
3. Connect the power cord to a grounded 110V/60Hz electrical outlet. Do not use extension cords unless absolutely necessary, and if so, ensure it is rated for the compressor's power requirements.

## 4. OPERATING INSTRUCTIONS

### 4.1 Initial Start-Up

1. Open the tank drain valve (located at the bottom of the tank) to ensure no pressure is present.
2. Turn the power switch to the "ON" position. The compressor will start to build pressure.
3. Allow the compressor to run until it reaches its maximum pressure and automatically shuts off. This may take approximately 81 seconds.
4. Close the tank drain valve.

### 4.2 Connecting Air Tools

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



Figure 4.1: Safety features including adjustable pressure gauge, overload protector, and safety valves.

### 4.3 Shutting Down

1. Turn the power switch to the "OFF" position.
2. Disconnect the air hose and tools.
3. Slowly open the tank drain valve to release all air pressure from the tank. This is crucial to prevent corrosion and ensure safety.
4. Close the drain valve once all air has been released.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your air compressor. This oil-free unit requires minimal maintenance.

### 5.1 Daily Maintenance

1. **Drain Moisture from Tank:** Open the tank drain valve after each use to release accumulated moisture. This prevents rust and corrosion inside the tank.
2. **Inspect for Leaks:** Check all connections and hoses for air leaks. Tighten any loose fittings.

### 5.2 Weekly Maintenance

1. **Clean Air Filter:** Inspect and clean the air filter as needed. A clogged filter can reduce efficiency.
2. **Check Fasteners:** Ensure all nuts, bolts, and screws are tight.

### 5.3 Storage

When storing the compressor, ensure the tank is completely drained of air and moisture. Store in a clean, dry

location.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start.	No power, tripped circuit breaker, faulty switch.	Check power connection, reset breaker, contact support if switch is faulty.
Low air pressure or slow recovery.	Air leaks, clogged air filter, excessive air tool demand.	Check for leaks and tighten connections, clean/replace air filter, use appropriate tools.
Excessive noise or vibration.	Loose components, unit not on level surface.	Check and tighten all fasteners, ensure stable placement.
Air leaks from drain valve.	Drain valve not fully closed or damaged.	Ensure valve is tightly closed. If damaged, replace it.

For issues not listed here, please contact MZB customer support.

## 7. SPECIFICATIONS

Feature	Detail
Brand	MZB AIR COMPRESSOR
Model Number	VA-70
Voltage	110 Volts
Power Source	Corded Electric
Maximum Power	3 Horsepower
Motor Horsepower	3 Horsepower
Capacity	18.5 Gallons
Air Flow Capacity	11.3 Cubic Feet Per Minute (CFM)
Noise Level	83 Decibels
Material Type	Metal
Style	Portable
Additional Features	Automatic Shut-Off
Recommended Uses	Auto Repair, Carpentry Decoration, Tire Inflation, Spraying, Nailing

# PRODUCT SPECIFICATION

Input Voltage:110 V

Frequency:60 HZ

Power:2.2KW(3 HP)

Tank Capacity: 21.1 Gallon(70 L)

Working Pressure:8 bar

Exhaust Volume:320 L/min

Rotation Speed:1050r/min

Timing Of Air Intake:81 S

Noise Level:83 db



Figure 7.1: Detailed product specifications including Input Voltage, Frequency, Power, Tank Capacity, Working Pressure, Exhaust Volume, Rotation Speed, Timing of Air Intake, and Noise Level.

## 8. WARRANTY INFORMATION

This MZB Air Compressor is covered by a manufacturer's warranty. Please refer to the warranty card included in your accessory bag or contact MZB customer support for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

## 9. CUSTOMER SUPPORT

For technical assistance, parts, or service, please contact MZB customer support. You can find contact information on the product packaging or the official MZB website. When contacting support, please have your model number (VA-70) and purchase date available.