

Limodot LJ8170A

Limodot LJ8170A 8-Gallon Ultra Quiet Oil-Free Portable Air Compressor User Manual

Model: LJ8170A

1. INTRODUCTION

Thank you for choosing the Limodot LJ8170A 8-Gallon Ultra Quiet Oil-Free Portable Air Compressor. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new air compressor. Please read it thoroughly before use and keep it for future reference.

The Limodot LJ8170A is designed for a variety of pneumatic applications, including brad nail guns, roofing nail guns, finish nail guns, airbrushes, blow guns, impact wrenches, air drills, HVLP spray guns, and pneumatic screwdrivers. It is also suitable for inflating tires on cars, trucks, motorcycles, bicycles, sports balls, and pools. Its ultra-quiet operation at 68 dB and lightweight aluminum tank make it ideal for both residential and commercial use.

8 GAL ULTRA QUIET OILFREE AIR COMPRESSOR

○○○○
COMPACT
YET MIGHTY

4.2 CFM @90PSI

5.6 CFM @40PSI

120PSI
Max. pressure

25_s
Recovery time



Image 1: Limodot LJ8170A Air Compressor highlighting 8-gallon capacity, ultra-quiet operation, 4.2 CFM at 90 PSI, 5.6 CFM at 40 PSI, 120 PSI max pressure, and 25-second recovery time.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the compressor's operation and warnings.
- **Electrical Safety:** Ensure the power source matches the compressor's voltage (110V AC). Do not operate in wet conditions or expose to rain. Use only grounded outlets.
- **Personal Protective Equipment:** Always wear safety glasses or goggles when operating the compressor or pneumatic tools. Hearing protection is recommended, especially during prolonged use.
- **Ventilation:** Operate the compressor in a well-ventilated area. Do not block air vents.
- **Pressure Release:** Always drain the air tank and release all pressure before performing maintenance or moving the compressor.
- **Hot Surfaces:** The compressor motor and pump can become hot during operation. Avoid touching these areas to prevent burns.

- **Children and Bystanders:** Keep children and bystanders away from the operating compressor.
- **Never Modify:** Do not modify the compressor or its components. Unauthorized modifications can lead to serious injury and void the warranty.
- **Proper Use:** Use the compressor only for its intended purpose. Do not use it to breathe air directly.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present and undamaged. If any parts are missing or damaged, contact customer support.

- Limodot LJ8170A Air Compressor Unit
- 1/4-inch Quick Connector
- Quick Start Guide
- User Manual (this document)
- Wheel Kit (for assembly)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Limodot air compressor.



Image 2: Detailed view of the compressor components, including the motor, air tank, pressure gauges, and regulator.



Image 3: Front and side profile of the air compressor, illustrating its compact design and wheel placement.

CONQUER ANY PROJECT ANY WHERE SPEED AND ACCURACY

EQUIPPED WITH

A precision pressure regulator

Dual 1/4" couplers

Tank and output pressure gauges

37.5 Lbs



Image 4: Compressor dimensions (22.05 in length, 12.6 in width, 21.65 in height) and key features: precision pressure regulator, dual 1/4" couplers, and tank/output pressure gauges.

- **Motor:** 1.7 HP oil-free motor for low maintenance.
- **Air Tank:** 8-gallon aluminum tank, rust-resistant and lightweight.
- **Pressure Regulator:** Allows adjustment of output air pressure.
- **Pressure Gauges:** Displays tank pressure and regulated output pressure.
- **Quick Couplers:** Dual 1/4-inch quick connectors for attaching air tools.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Wheels and Handle:** For easy portability.

5. SETUP

Follow these steps to prepare your air compressor for first use.

1. **Attach Wheels:** Securely attach the included wheel kit to the compressor base as per the quick start guide.
2. **Install Air Filters:** Ensure the air filters are properly installed on the intake ports. This is crucial for reducing noise and

protecting the pump.

3. **Positioning:** Place the compressor on a firm, level surface in a clean, well-ventilated area. Ensure there is adequate space around the unit for air circulation.
4. **Connect Air Hose:** Attach your air hose to one of the 1/4-inch quick couplers.
5. **Power Connection:** Plug the power cord into a grounded 110V AC electrical outlet.

ULTRA QUIET

PRESERVE YOUR PASSION

- Reduces noise pollution
- Causes less disruption
- Allows more versatile placement
- Enables nighttime use

QUICK TIPS

Make sure the air filters are installed, they can significantly lower the noise.

65DB CONVERSATIO 68DB LJ6170 75DB VACUUM CLEANER

LOW NOISE
68 DB

Image 5: Illustration emphasizing the importance of installing air filters to maintain the compressor's ultra-quiet operation (68 dB).

6. OPERATING INSTRUCTIONS

Operating your Limodot air compressor is straightforward. Follow these steps for safe and efficient use.

1. **Initial Start-up (Break-in):** For the first use, run the compressor with the tank drain valve open for 15-20 minutes to allow the motor and pump to break in properly. This helps extend the lifespan of the unit.
2. **Power On:** Turn the power switch to the "ON" position. The compressor will start to fill the air tank. Monitor the tank pressure gauge.
3. **Set Output Pressure:** Once the tank reaches maximum pressure (120 PSI), the motor will shut off automatically. Adjust the pressure regulator knob to set the desired output pressure for your air tool. The output pressure gauge will

show the regulated pressure.

4. **Connect Tool:** Attach your pneumatic tool to the quick coupler.
5. **Begin Operation:** You can now use your air tool. The compressor will cycle on and off automatically to maintain tank pressure as air is consumed.
6. **Power Off:** When finished, turn the power switch to the "OFF" position.
7. **Drain Tank:** Always drain the moisture from the air tank after each use by opening the drain valve. This prevents rust and extends tank life.
8. **Release Pressure:** After draining, ensure all remaining air pressure is released from the tank and hose before storing.

The Limodot LJ8170A is suitable for various applications:



Image 6: Examples of compressor applications including light spray painting, tire inflation, home repair (nailing), and woodworking.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor.

- **Drain Air Tank:** Drain moisture from the air tank daily or after each use. This prevents internal corrosion.
- **Check Air Filters:** Inspect air filters regularly. Clean or replace them if they are dirty or clogged to ensure proper airflow and quiet operation.
- **Oil-Free Design:** This compressor features an oil-free pump, eliminating the need for oil changes or lubrication. This reduces maintenance costs and effort.
- **Inspect Hoses and Fittings:** Periodically check all air hoses and fittings for leaks, wear, or damage. Replace any compromised components immediately.
- **Clean Exterior:** Keep the exterior of the compressor clean. Use a damp cloth to wipe away dust and debris. Do not use harsh chemicals.
- **Storage:** Store the compressor in a clean, dry location. Ensure the tank is drained and pressure is released before storage.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Compressor does not start.	No power; tripped circuit breaker; faulty switch.	Check power cord connection and outlet. Reset circuit breaker. Contact support if switch is faulty.
Compressor runs continuously or cycles too frequently.	Air leak in tank, hose, or fittings; check valve issue.	Check all connections for leaks using soapy water. Tighten fittings. Inspect check valve for debris.
Low air pressure at outlet.	Regulator set too low; air leak; clogged air filter.	Adjust regulator to higher pressure. Check for air leaks. Clean or replace air filter.
Excessive noise or vibration.	Loose components; worn parts; improper air filter installation.	Check for and tighten any loose bolts or screws. Ensure air filters are properly seated.
Moisture in air line.	Tank not drained regularly.	Drain the air tank after each use. Consider an inline air dryer for sensitive applications.

9. SPECIFICATIONS

Detailed technical specifications for the Limodot LJ8170A Air Compressor.

Model Number: LJ8170A

Tank Capacity: 8 Gallons

Motor Power: 1.7 HP

Voltage: 110 Volts (AC)

Max Pressure: 120 PSI

CFM @ 40 PSI: 5.6 CFM

CFM @ 90 PSI: 4.2 CFM

Noise Level: 68 dB

Material: Cast Iron, Aluminum

Product Dimensions: 56.01 x 32 x 54.99 cm (approximately 22.05 x 12.6 x 21.65 inches)

Product Weight: 18.8 kg (approximately 37.5 lbs)

Special Features: Dual Cylinder, Quiet Operation, Oil-Free

Power Source: Corded Electric

10. WARRANTY AND SUPPORT

Limodot products are manufactured to high-quality standards. For warranty information, technical support, or to order replacement parts, please contact Limodot customer service.

Please have your model number (LJ8170A) and purchase date available when contacting support.

Customer Support: Refer to the contact information provided with your purchase or visit the official Limodot website.



1000 HOURS+ CONTINUOUS LIFE TESTING

RIGOROUS QUALITY CONTROL

- 1. Incoming inspection of all parts
- 2. Leak testing on assemble line
- 3. 24 hour pressure holding test
- 4. Final inspection prior to shipping

100% INSPECTED

Image 7: Quality control processes including incoming inspection, leak testing, 24-hour pressure holding test, and final inspection, ensuring product reliability.