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> Limodot LJ1100K 1 Gallon Ultra Quiet Oil-Free Air Compressor Instruction Manual

Limodot LJ1100K

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1. IMPORTANT SAFETY INFORMATION

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

- **Electrical Safety:** Ensure the power source is 110 Volts (AC) and properly grounded. Do not operate in wet conditions.
- **Pressure Safety:** Never exceed the maximum operating pressure of 120 PSI. Do not tamper with the pressure relief valve.
- **Personal Protective Equipment:** Always wear safety glasses or goggles when operating the compressor or pneumatic tools. Hearing protection is recommended during extended use.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating.
- **Moving Parts:** Keep hands, hair, and loose clothing away from moving parts.
- **Drain Tank Regularly:** Condensation will accumulate in the tank. Drain it daily or after each use to prevent rust and tank failure.

2. PRODUCT OVERVIEW

The Limodot LJ1100K is a 1-gallon, oil-free, ultra-quiet air compressor designed for various pneumatic applications. Its compact and portable design makes it suitable for both residential and commercial use.



Image 2.1: Limodot LJ1100K Air Compressor with 25 ft air hose and 11-piece accessory kit.

Key Features:

- **Ultra Quiet Operation:** Operates at approximately 60 dB, minimizing noise disruption.
- **Oil-Free Design:** Requires no oil, reducing maintenance and operating costs.
- **Portable:** Weighs 29.7 lbs with compact dimensions for easy transport.
- **Quick Recovery:** Refills from empty to full in approximately 40 seconds, with a 15-second recovery time.
- **Dual Quick-Connect:** Allows for simultaneous use of two pneumatic tools.

3. SETUP

1. **Unpacking:** Carefully remove the compressor and all accessories from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a clean, dry, and well-ventilated area. Ensure adequate space around the unit for air circulation.
3. **Electrical Connection:** Connect the power cord to a standard 110V (AC) grounded electrical outlet.
4. **Attach Air Hose and Accessories:**
 - Attach the provided 25 ft PVC air hose to one of the 1/4" quick-connect fittings on the compressor.
 - Connect desired pneumatic tools or accessories to the other end of the air hose or directly to the second quick-connect fitting.



Image 3.1: The dual quick-connect feature allows two tools to be connected simultaneously.

4. OPERATING INSTRUCTIONS

1. **Power On:** Flip the power switch to the 'ON' position. The compressor will begin to fill the air tank.
2. **Pressure Adjustment:** Use the regulator knob to adjust the output air pressure to suit your pneumatic tool's requirements. The pressure gauges will display the tank pressure and the regulated output pressure.
3. **Using Tools:** Once the desired pressure is reached, operate your pneumatic tool. The compressor will

automatically cycle on and off to maintain tank pressure.

4. **Automatic Shut-Off:** The compressor features an automatic shut-off when the maximum tank pressure is reached, and will restart automatically when the pressure drops below a set threshold.
5. **Quiet Operation:** This compressor is designed for quiet operation at approximately 60 dB, making it suitable for various environments.



Image 4.1: The compressor operates at a low noise level of 60 dB.

6. **Applications:** The Limodot LJ1100K is suitable for tasks such as tire inflation, automotive repair, dust blowing, and woodworking with various pneumatic tools.

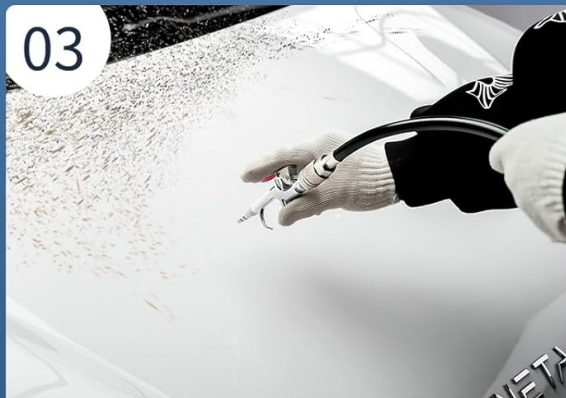
Applicable to various scenarios



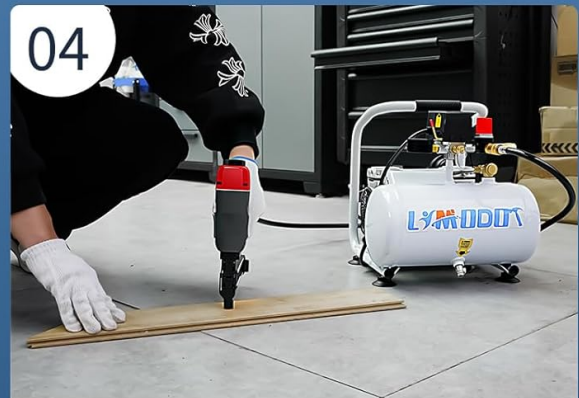
Automotive Repair



Tire Inflation



Dust Blowing

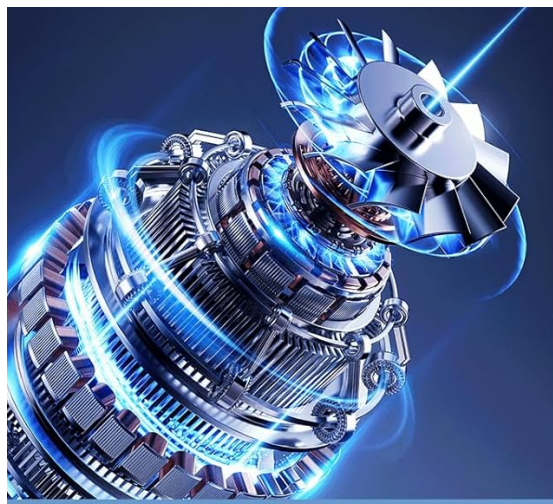


Woodworking

Image 4.2: Examples of common applications for the air compressor.

5. MAINTENANCE

The Limodot LJ1100K features an oil-free design, significantly reducing maintenance requirements.



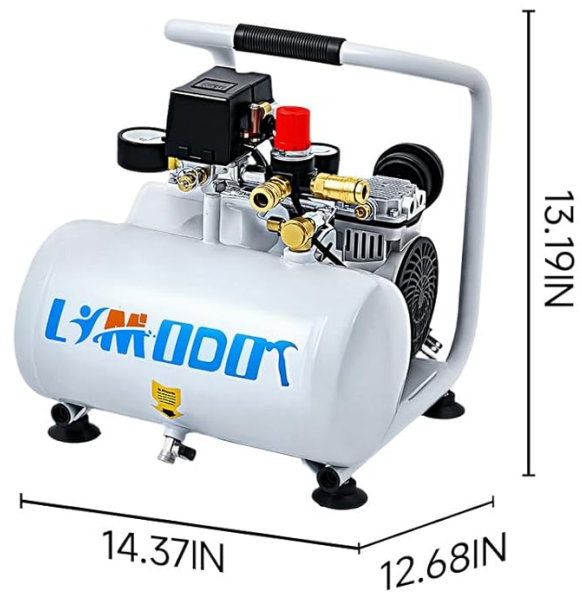
LYMODOOT
Compact yet mighty

OIL FREE
Air compressor

1 Gal Steel Tank

Specs:

- 2.8CFM@40PSI
- 1.6CFM@90PSI
- Max. Pressure:120PSI



Exceptional performance makes it perfect for all your household needs.

Image 5.1: The oil-free design eliminates the need for oil changes.

- **Drain Air Tank:** After each use, or daily if used frequently, open the drain valve at the bottom of the air tank to release any accumulated moisture. This prevents rust and extends the tank's lifespan.
- **Clean Air Filter:** Periodically inspect and clean the air filter. A clogged filter can reduce compressor efficiency.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Use a dry cloth to wipe down surfaces.
- **Storage:** Store the compressor in a dry, clean environment. Ensure the tank is drained before storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power; Power switch off; Thermal overload activated	Check power connection; Turn power switch on; Allow compressor to cool down
Low air pressure / Slow recovery	Air leak; Clogged air filter; Regulator set too low	Check hose connections for leaks; Clean/replace air filter; Adjust regulator to higher pressure

Problem	Possible Cause	Solution
Excessive noise or vibration	Loose components; Uneven surface	Tighten any loose parts; Place compressor on a stable, level surface
Moisture in air line	Tank not drained	Drain the air tank thoroughly

7. SPECIFICATIONS



Image 7.1: The compressor's compact size and weight (29.7 lbs) enhance portability.

Specification	Value
Brand	Limodot
Model Name	LJ1100K
Voltage	110 Volts (AC)

Specification	Value
Capacity	1 Gallon
Noise Level	60 Decibels
Air Flow Capacity (CFM)	2.8 CFM @ 40 PSI, 1.6 CFM @ 90 PSI
Motor Horsepower	1 Horsepower
Maximum Operating Pressure	120 PSI
Item Weight	29.7 Pounds
Product Dimensions (L x W x H)	12.68" x 14.37" x 13.19"
Hose Length	25 Feet
Special Feature	Automatic Shut-Off

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Limodot product documentation included with your purchase or visit the manufacturer's website. Keep your purchase receipt for warranty claims.