

ECOMAX 0210673A

ECOMAX 6 Gallon 150 PSI Pancake Portable Oil-free Air Compressor Instruction Manual

Model: 0210673A

PRODUCT OVERVIEW

The ECOMAX 6 Gallon 150 PSI Pancake Portable Oil-free Air Compressor is designed for a variety of tasks, from tire inflation and air brushing to powering brad nailers and blow guns. Its compact and portable design makes it suitable for both household and light industrial applications. This unit features a 6-gallon tank and a maximum pressure of 150 PSI, providing efficient air delivery for extended tool usage.



Figure 1: ECOMAX 6 Gallon 150 PSI Pancake Portable Air Compressor with included accessories.

Key Features:

- **Enhanced Efficiency:** 150 PSI maximum pressure and 6-gallon tank for high efficiency and quick recovery.
- **Portability:** Lightweight (34.17 pounds) with a convenient flip-up handle for easy transport and storage.
- **Cost-Effective Maintenance:** Features an oil-free pump, dual gauges for precise pressure, and dual quick couplers for simultaneous use.
- **Versatile Usage:** Equipped with low-voltage and cold-weather start capabilities, suitable for various tasks including industrial manufacturing, construction, automotive repair, and household inflation.

SAFETY INFORMATION

Always read and understand the entire instruction manual before operating the air compressor. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

General Safety Guidelines:

- **Personal Safety:** Always wear ANSI-approved safety goggles or safety glasses with side shields when operating the compressor. Use hearing protection as the noise level is approximately 75 dB.
- **Electrical Safety:** Ensure the compressor is connected to a properly grounded outlet. Do not operate in wet conditions or expose to rain.
- **Operating Environment:** Use the compressor in a well-ventilated area. Keep children and bystanders away while operating.
- **Pressure Safety:** Never exceed the maximum operating pressure of 150 PSI. Always drain the tank after each use to prevent moisture buildup and corrosion.
- **Maintenance:** Disconnect power before performing any maintenance or adjustments.

INCLUDED ACCESSORIES

The ECOMAX air compressor comes with a comprehensive 10-piece accessories kit to get you started immediately:

- 1 x Air Hose
- 1 x Thread Seal Tape
- 1 x 1/4" FNPT Ball Foot Air Chuck
- 2 x 1/4" NPT Auto Plugs
- 1 x 1/4" NPT Auto Coupler
- 1 x Tire Pressure Gauge
- 1 x Nozzle
- 1 x High Performance Blow Gun
- 1 x Sleeve

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Figure 2: Detailed view of the air compressor and its included accessories, highlighting key components.

SETUP INSTRUCTIONS

- 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 well-ventilated area. Ensure the rubber feet are securely positioned to minimize vibration.
- 3. Attaching Quick Connects:** The air hose and certain accessories (like the blow gun) come with quick connect fittings. Apply the provided thread seal tape to the male threads of these fittings before screwing them into the compressor's dual quick couplers. Ensure a tight, leak-free connection.
- 4. Power Connection:** Plug the compressor into a standard 120V AC grounded electrical outlet.

WIDE COMPATIBILITY



Figure 3: Close-up view of the dual gauges and quick couplers for connecting air tools.

OPERATING INSTRUCTIONS

1. **Power On:** Locate the ON/OFF switch, typically a red rocker switch, and flip it to the 'ON' position. The compressor will begin to fill the tank.
2. **Monitor Pressure:** The compressor features dual gauges. The "TANK" gauge displays the internal pressure of the air tank, while the "TOOL" gauge shows the regulated output pressure for your connected tool.
3. **Adjusting Output Pressure:** Use the large red regulator knob to adjust the output pressure to suit your specific tool or task. Turn clockwise to increase pressure and counter-clockwise to decrease.
4. **Connecting Tools:** Attach your desired air tool or accessory to one of the quick couplers. Ensure it clicks securely into place.
5. **Using the Compressor:** Once the tank reaches its maximum pressure (150 PSI) and the motor stops, you can begin using your air tool. The compressor will automatically restart when the tank pressure drops below a certain threshold.

6. **Power Off:** When finished, turn the ON/OFF switch to the 'OFF' position.



Figure 4: The ECOMAX air compressor is versatile for various applications, including construction tasks.



Figure 5: Ideal for automotive repair, the compressor can power various tools for vehicle maintenance.

MAINTENANCE

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

- **Drain Tank Daily:** Open the air tank drain valve (located at the bottom of the tank) after each use to release any accumulated moisture. This prevents rust and corrosion inside the tank.
- **Oil-Free Pump:** This compressor features an oil-free pump, eliminating the need for oil changes and reducing overall maintenance.
- **Clean Air Filter:** Periodically inspect and clean the air filter to ensure proper airflow and prevent debris from entering the motor.
- **General Inspection:** Regularly check all hoses, fittings, and electrical connections for wear, damage, or leaks. Replace any worn or damaged parts immediately.

OIL-FREE STRONG MOTOR

For less maintenance

1400W

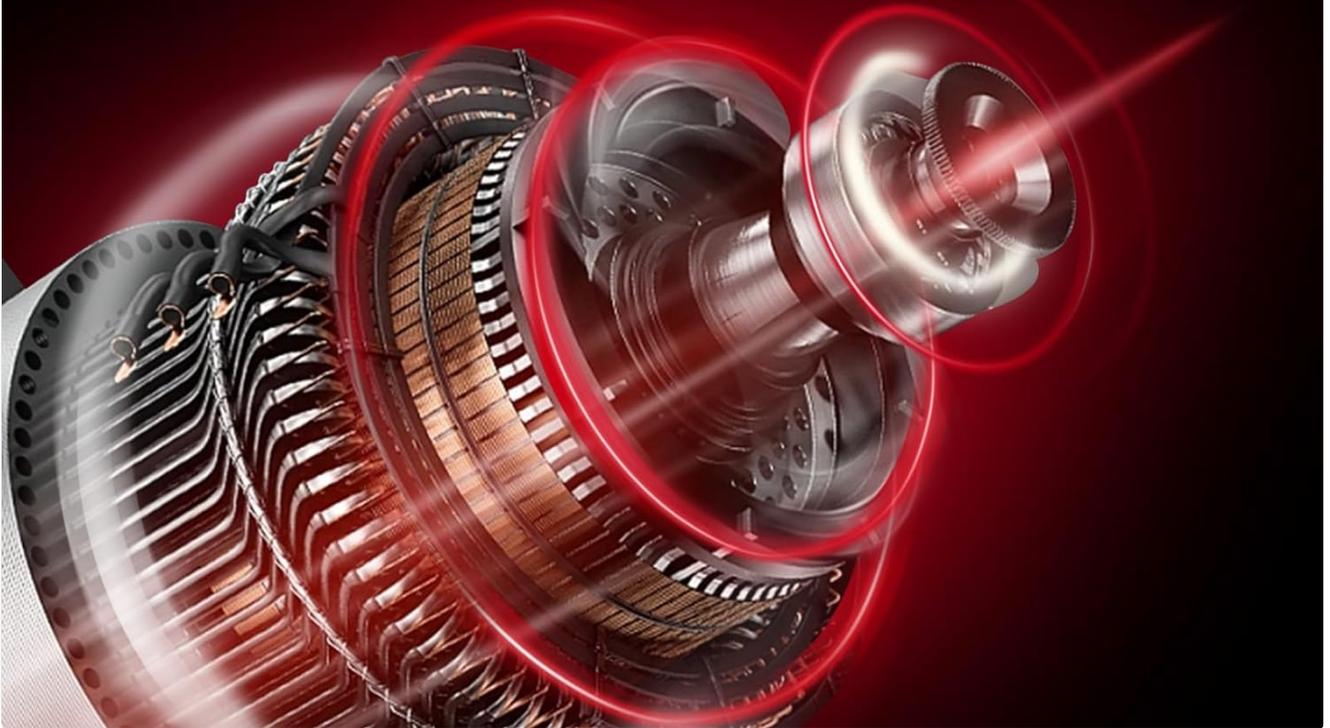


Figure 6: The oil-free motor design minimizes maintenance requirements.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start or stops unexpectedly.	No power, tripped circuit breaker, thermal overload.	Check power cord, reset circuit breaker, allow motor to cool down.
Air leaks from fittings or hose.	Loose connections, worn O-rings, insufficient thread tape.	Tighten connections, replace O-rings, reapply thread tape.
Compressor runs continuously or frequently.	Air leak, excessive air consumption by tool, pressure switch malfunction.	Check for leaks, ensure tool is appropriate for compressor capacity, contact support if pressure switch is faulty.

Problem	Possible Cause	Solution
Excessive noise during operation.	Normal operation for pancake compressors (approx. 75 dB), loose components.	Ensure all components are secure. Consider hearing protection during prolonged use.
Moisture in air line.	Tank not drained regularly.	Drain tank daily after use. Consider an inline air dryer for sensitive applications.

SPECIFICATIONS

Feature	Detail
Brand	ECOMAX
Model Name	0210673A
Capacity	6 Gallons
Maximum Operating Pressure	150 PSI
Motor Horsepower	1.5 HP
Power Source	Corded Electric
Voltage	120 Volts
Maximum Power	180 Watts
Noise Level	75 dB
Special Feature	Oil Free, Portable, Lightweight
Product Dimensions	16.54"L x 15.94"W x 19.49"H
Item Weight	34.2 pounds
UPC	810941037245

6 GALLON AIR COMPRESSOR



*Maximum air pressure before shut off.

*Horsepower and air delivery value measured in accordance with ISO1217.

Figure 7: Product dimensions for the ECOMAX 6 Gallon Air Compressor.

WARRANTY AND SUPPORT

For specific warranty details and terms, please refer to the warranty card included with your product or visit the official ECOMAX website. For technical support, parts, or service inquiries, you may contact ECOMAX customer service at 1-888-889-0146.

