

California Air Tools 8010A

California Air Tools 8010A 1.0 HP Ultra Quiet and Oil-Free Air Compressor Instruction Manual

1. PRODUCT OVERVIEW

The California Air Tools 8010A Ultra Quiet and Oil-Free Air Compressor is engineered for high performance with minimal noise. This 1.0 HP compressor features an 8-gallon aluminum tank, designed for durability and portability. Its oil-free dual piston pump system ensures a long life cycle and reduced maintenance, making it suitable for various applications in diverse environments.

Key features include:

- **Ultra Quiet Operation:** Operates at only 60 decibels, ideal for noise-sensitive environments.
- **Powerful 1.0 HP Motor:** Runs at 1680 RPM for less wear and quiet performance.
- **Oil-Free Dual Piston Pump:** Designed for over 3000 hours of use before wear, requiring minimal maintenance.
- **Lightweight 8-Gallon Aluminum Tank:** Rust-free and weighs only 37.25 lbs for easy transport.
- **Quick Setup:** Achieves 120 PSI maximum pressure with a fast tank fill time of 165 seconds.




Figure 1: California Air Tools 8010A 8 Gallon Air Compressor.

ULTRA QUIET & OIL-FREE AIR COMPRESSOR

Powerful
1.0 HP Motor

Oil-Free Dual
Piston Pump

One-Female Industrial
"Push to Connect"
Quick Connectors


3000+ Hour Life
Cycle Before Wear

Two Pressure
Control Gauges


Cleaner Air For
Better Tool
Operation

8 Gallon Aluminum
Rust-Free Air Tank


Less Maintenance
And Costs

Thermal Overload
Protector



Figure 2: Key features of the 8010A air compressor, including the 1.0 HP motor, oil-free dual piston pump, quick connectors, pressure gauges, and aluminum tank.

2. SETUP AND ASSEMBLY

Before operating your new air compressor, ensure proper assembly and placement. The unit comes with a convenient wheel kit for enhanced mobility.

2.1 Attaching Wheels and Rubber Foot

1. Carefully unpack the air compressor and all components.
2. Attach the wheels to the designated axle points on one side of the tank. Secure them firmly according to the included hardware.
3. Install the rubber foot on the opposite side of the tank to provide stability and reduce vibration during operation.
4. Ensure all connections are tight and the compressor is stable on a flat, level surface.

2.2 Connecting Air Hoses and Tools

The 8010A is equipped with industrial "Push to Connect" quick connectors for easy attachment of air hoses and pneumatic tools.

1. Ensure the air compressor is turned off and unplugged before connecting any accessories.
2. Push the male end of your air hose or tool into the female quick connector on the compressor until it clicks securely into place.
3. To disconnect, pull back the collar on the quick connector and pull out the hose/tool.

3. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your air compressor.

3.1 Initial Power-Up

1. Plug the compressor into a grounded 110V (AC) electrical outlet.
2. Turn the power switch to the 'ON' position. The compressor will begin to fill the air tank.
3. Allow the tank to fill completely until the motor automatically shuts off. This indicates maximum pressure (120 PSI) has been reached.

3.2 Adjusting Output Air Pressure

The compressor features two pressure control gauges: one for tank pressure and one for regulated output pressure. Adjust the output pressure as needed for your specific application.

1. Connect your air tool or blow gun to the quick connector.
2. While continuously triggering your air tool or blow gun to allow air to flow, adjust the red regulator knob.
3. Turn the knob clockwise to increase pressure and counter-clockwise to decrease pressure. Observe the regulated pressure gauge until the desired PSI level is achieved.
4. Once the desired pressure is set, release the trigger on your tool.

ULTRA QUIET - ONLY 60 DECIBELS



Ideal for indoor use where
noise is an issue.

Designed to be one of the
quietest air compressors
in the industry.



Figure 3: The 8010A compressor is suitable for various tasks like spray painting.

SPECIFICATIONS AND PERFORMANCE



Figure 4: Versatile applications of the 8010A air compressor.

4. MAINTENANCE

The California Air Tools 8010A air compressor is designed for low maintenance due to its oil-free pump system.

4.1 Draining the Air Tank

Condensation can accumulate in the air tank, especially in humid environments. Regular draining is essential to prevent rust and maintain compressor efficiency.

1. Ensure the compressor is turned off and unplugged.
2. Place a suitable container beneath the drain valve located at the bottom of the air tank.
3. Slowly open the drain valve by turning it counter-clockwise. Allow all condensed water to drain completely.
4. Close the drain valve tightly after draining.
5. Perform this procedure daily or after each use, depending on humidity levels and usage frequency.

4.2 Air Filter Inspection

Periodically check the air filter for dust and debris. A clogged filter can reduce performance.

- Remove the air filter cover.

- Inspect the filter element. If it appears dirty or clogged, clean it according to the manufacturer's instructions or replace it if necessary.
- Reinstall the air filter cover securely.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your air compressor.

5.1 Compressor Does Not Start

- **Check Power Connection:** Ensure the power cord is securely plugged into a functional 110V outlet.
- **Circuit Breaker:** Verify that the circuit breaker has not tripped.
- **Power Switch:** Confirm the power switch is in the 'ON' position.
- **Thermal Overload Protector:** If the compressor has been running for an extended period or in high temperatures, the thermal overload protector may have tripped. Allow the unit to cool down for 15-20 minutes before attempting to restart.

5.2 Air Leaks

- **Check Connections:** Inspect all air hose connections and quick couplers for tightness.
- **Drain Valve:** Ensure the tank drain valve is fully closed.
- **Pressure Switch:** If leaks persist from the pressure switch area, contact customer support.

5.3 Insufficient Air Pressure

- **Regulator Setting:** Verify that the output pressure regulator is set to the desired PSI. Adjust as described in Section 3.2.
- **Air Filter:** A clogged air filter can restrict airflow. Inspect and clean/replace if necessary (Section 4.2).
- **Tool Requirements:** Ensure your air tool's CFM requirements do not exceed the compressor's output (3.10 CFM at 40 PSI, 2.20 CFM at 90 PSI).

6. TECHNICAL SPECIFICATIONS

Detailed specifications for the California Air Tools 8010A air compressor:

CONTRACTOR GRADE



Home Garage



Workshop



Construction Site



Automotive Repair Shop



Figure 5: Visual representation of the 8010A's dimensions and key performance metrics.

Specification	Detail
Brand	California Air Tools
Model Number	8010A
Motor Horsepower	1.0 HP
Tank Capacity	8 Gallons
Tank Material	Aluminum
Noise Level	60 Decibels
Air Flow Capacity (40 PSI)	3.10 CFM
Air Flow Capacity (90 PSI)	2.20 CFM
Maximum Operating Pressure	120 PSI

Specification	Detail
Voltage	110 Volts (AC)
AC Adapter Current	8.5 Amps
Item Weight	37.25 Pounds
Product Dimensions	24.01"L x 12.99"W x 21.85"H
Special Feature	Portable, Oil-Free
UPC	850004451212

7. WARRANTY AND SUPPORT

The California Air Tools 8010A Air Compressor comes with a **1 Year Limited Warranty**. For warranty claims, technical assistance, or general inquiries, please refer to the contact information provided in your product packaging or visit the official California Air Tools website.

Always use genuine replacement parts and follow recommended service procedures to maintain your warranty and ensure optimal performance.