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› CRAFTSMAN Portable Air Compressor User Manual

## CRAFTSMAN CMXECXA0220242

# CRAFTSMAN Portable Air Compressor

USER MANUAL - MODEL: CMXECXA0220242

## Introduction

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Thank you for choosing the CRAFTSMAN Portable Air Compressor, Model CMXECXA0220242. This 2-gallon, 1/3 HP oil-free twin tank air compressor is designed for a variety of light air tool applications, offering portability and reliable performance. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor.



Figure 1: CRAFTSMAN Portable Air Compressor (Model CMXECXA0220242)

This image displays the overall view of the red CRAFTSMAN portable air compressor, featuring its twin tank design, top-mounted control panel with gauges, and a sturdy carry handle.

## Safety Information

Always observe basic safety precautions when using this product to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating.

- **Electrical Safety:** Ensure the power source matches the compressor's voltage (120V, 60Hz). Do not operate in wet

conditions. Always use a properly grounded outlet.

- **Personal Safety:** Wear safety glasses or goggles. Do not direct air stream at people or animals. Keep children and bystanders away.
- **Operating Environment:** Use in a well-ventilated area. Do not operate near flammable liquids or gases.
- **Pressure Safety:** Do not exceed the maximum operating pressure of 125 PSI. Regularly check gauges for proper readings.
- **Maintenance:** Disconnect power before performing any maintenance or adjustments. Drain condensation from the tank regularly.
- **Noise Level:** This compressor operates at approximately 78 dB. Prolonged exposure to high noise levels can cause hearing damage. Consider wearing hearing protection during extended use.

## Components and Parts

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The CRAFTSMAN Portable Air Compressor comes with the following components:

- 1 x Air Compressor Unit
- 1 x Air Filter
- 1 x 6 Feet Power Cord (integrated)
- 1 x Quick Coupler
- 1 x Ball Valve (drain valve)



Figure 2: Control Panel and Gauges

This image shows a close-up of the compressor's control panel, highlighting the Tank Pressure gauge, Tool Pressure gauge, and the pressure regulator knob.



Figure 3: Quick Coupler

This image provides a detailed view of the quick coupler connection point on the air compressor, where air hoses and tools are attached.

## Setup

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1. **Unpacking:** Carefully remove the compressor and all components from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a firm, level surface in a clean, well-ventilated area. Ensure adequate space around the unit for air circulation.
3. **Air Filter Installation:** If the air filter is not pre-installed, screw it into the designated intake port on the pump.
4. **Electrical Connection:** Ensure the power switch is in the "OFF" position. Plug the 6-foot power cord into a grounded 120V, 60Hz electrical outlet.

## Operating Instructions

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## 1. Initial Start-up:

- Before first use, ensure the drain valve (ball valve) at the bottom of the tank is closed.
- Turn the power switch to the "ON" position. The compressor will begin to build pressure.
- Allow the compressor to reach its maximum pressure (125 PSI) and shut off automatically. This indicates the tank is fully charged.

## 2. Connecting Air Tools:

- Attach your air hose to the quick coupler.
- Connect your desired air tool (e.g., inflator, nailer, spray gun) to the other end of the air hose.



Figure 4: Typical Application - Tire Inflation

This image shows an individual using the CRAFTSMAN air compressor to inflate a car tire, demonstrating a common use case for the portable unit.

## 3. Adjusting Output Pressure:

- The "Tank Pressure" gauge shows the pressure inside the tank.
- The "Tool Pressure" gauge shows the regulated output pressure.

- Turn the regulator knob (located between the two gauges) clockwise to increase output pressure and counter-clockwise to decrease it. Adjust to the recommended PSI for your specific air tool.

4. **Using with Various Tools:** This compressor is suitable for tasks like inflation, hobby painting, stapling, fastening, nailing, and light bolting.



Figure 5: Wide Compatibility

This graphic illustrates the versatility of the air compressor, showing its use with a spray gun, air drill, nailer, and sander, highlighting its suitability for various applications.

#### 5. **Shutting Down:**

- Turn the power switch to the "OFF" position.
- Disconnect the air hose and tools.
- Bleed off any remaining air pressure from the tank by opening the drain valve or by briefly pressing the safety valve.

## Maintenance

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Regular maintenance ensures the longevity and optimal performance of your air compressor. Always disconnect the power cord before performing any maintenance.

#### • **Draining Condensation:**

- Moisture accumulates in the tank during operation. To prevent rust and maintain tank capacity, drain the tank daily or after each use.
- With the compressor off and pressure bled, open the ball valve (drain valve) located at the bottom of the tank to release accumulated water. Close the valve once draining is complete.



Figure 6: Drain Valve

This image provides a close-up view of the brass drain valve located at the bottom of the air compressor's tank, essential for releasing condensation.

- **Air Filter Cleaning/Replacement:**
  - Check the air filter periodically for dust and debris. A clogged filter can reduce performance.
  - Clean the filter element as per manufacturer's instructions or replace if heavily soiled or damaged.
- **Oil-Free Pump:** This compressor features an oil-free pump, eliminating the need for oil changes or lubrication.
- **General Cleaning:** Keep the compressor clean and free of dirt and debris. Use a damp cloth to wipe down exterior surfaces.

## Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Compressor does not start or stops unexpectedly.	No power, tripped circuit breaker, thermal overload, faulty switch.	Check power connection. Reset circuit breaker. Allow motor to cool if thermal overload. Contact support if switch is faulty.
Compressor runs continuously or cycles too frequently.	Air leak, pressure switch malfunction, drain valve open.	Check all connections for leaks. Ensure drain valve is fully closed. Contact support if pressure switch is faulty.
Low air pressure or insufficient airflow.	Clogged air filter, air leak, regulator set too low, worn pump components.	Clean or replace air filter. Check for air leaks. Adjust regulator. Contact support for pump issues.
Excessive noise or vibration.	Loose components, worn bearings, unit not on level surface.	Tighten all fasteners. Ensure unit is on a stable, level surface. Contact support for internal component issues.
Moisture in air line.	Tank not drained regularly.	Drain condensation from the tank more frequently. Consider an inline air dryer for sensitive applications.

## Specifications

Feature	Detail
Model Number	CMXECXA0220242
Brand	CRAFTSMAN
Power Source	Corded Electric
Voltage	120 Volts
AC Adapter Current	3 Amps
Motor Horsepower	0.34 HP
Tank Volume	2 Gallons (7.5 Liters)
Maximum Operating Pressure	125 PSI
Air Flow Capacity (CFM)	0.7 CFM
Noise Level	78 dB
Pump Type	Oil-Free
Item Weight	22.8 Pounds
Product Dimensions (L x W x H)	14.1" x 12.9" x 14.9"
Material	Alloy Steel (Q235B Steel)
Color	Red

# PRODUCT SIZE



Figure 7: Product Dimensions

This image provides a visual representation of the air compressor's dimensions, including its length (14.1 inches), width (12.9 inches), and height (14.9 inches).





<b>Voltage:</b>	AC120V 60Hz
<b>Tank Capacity:</b>	2.0 Gallon
<b>Flow Rate:</b>	0.5CFM@ 90PSI
<b>Power:</b>	1/3 HP/560W
<b>Motor Type:</b>	Oil-free Motor
<b>Noise Level:</b>	≤78 dB
<b>Working Pressure:</b>	125 PSI
<b>Life cycle(Hrs):</b>	≥50H

Figure 8: Key Specifications Overview

This graphic summarizes key specifications such as voltage, tank capacity, flow rate, power, motor type, noise level, working pressure, and estimated lifecycle hours.

## Warranty and Support

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Your CRAFTSMAN Portable Air Compressor, Model CMXECXA0220242, is backed by a **1 Year Limited Manufacturer and Distributor Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or to purchase replacement parts, please contact CRAFTSMAN customer service.

Refer to the contact information provided with your product packaging or visit the official CRAFTSMAN website.

**Online Resources:** For additional information, FAQs, and product registration, visit the [CRAFTSMAN Store on Amazon](#).

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