

## King Canada 8449N

# King Canada 8449N 1.5 HP Air Compressor User Manual

Model: 8449N | Brand: King Canada

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your King Canada 8449N 1.5 HP Air Compressor. Please read this manual thoroughly before operating the unit and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your air compressor.

The King Canada 8449N is a portable 1.5 HP air compressor featuring a durable oil-lubricated pump, a convenient reset feature, an air filter enclosed in a metal case, an ASME Safety Valve, a 1/4-Inch Universal One Touch Quick Coupler, an air pressure regulator, and easy-to-read pressure gauges. It is designed for various home and workshop applications requiring compressed air.

## 2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using this product. Failure to follow these instructions may result in serious injury or property damage.

### General Safety Warnings:

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the compressor.
- **Electrical Safety:** Ensure the power source matches the compressor's voltage (110V). Do not operate in wet conditions. Always use a grounded outlet.
- **Pressure Safety:** Never exceed the maximum operating pressure of any air tool or accessory. Do not tamper with the safety valve.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles. Hearing protection is recommended during operation due to noise levels.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent heat buildup and ensure proper air intake.
- **Maintenance:** Disconnect power before performing any maintenance or adjustments.
- **Children and Bystanders:** Keep children and bystanders away from the operating compressor.

### 3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your King Canada 8449N Air Compressor:



Figure 3.1: Overall view of the King Canada 8449N 1.5 HP Air Compressor, showcasing its compact design, red tank, and black motor housing with integrated controls and gauges.



Figure 3.2: Detailed view of the air pressure regulator and two easy-to-read pressure gauges. One gauge displays tank pressure, and the other shows regulated output pressure.



Figure 3.3: Close-up of the ON/OFF switch, clearly marked for operation, and the 1/4-Inch Universal One Touch Quick Coupler for easy attachment of air tools.

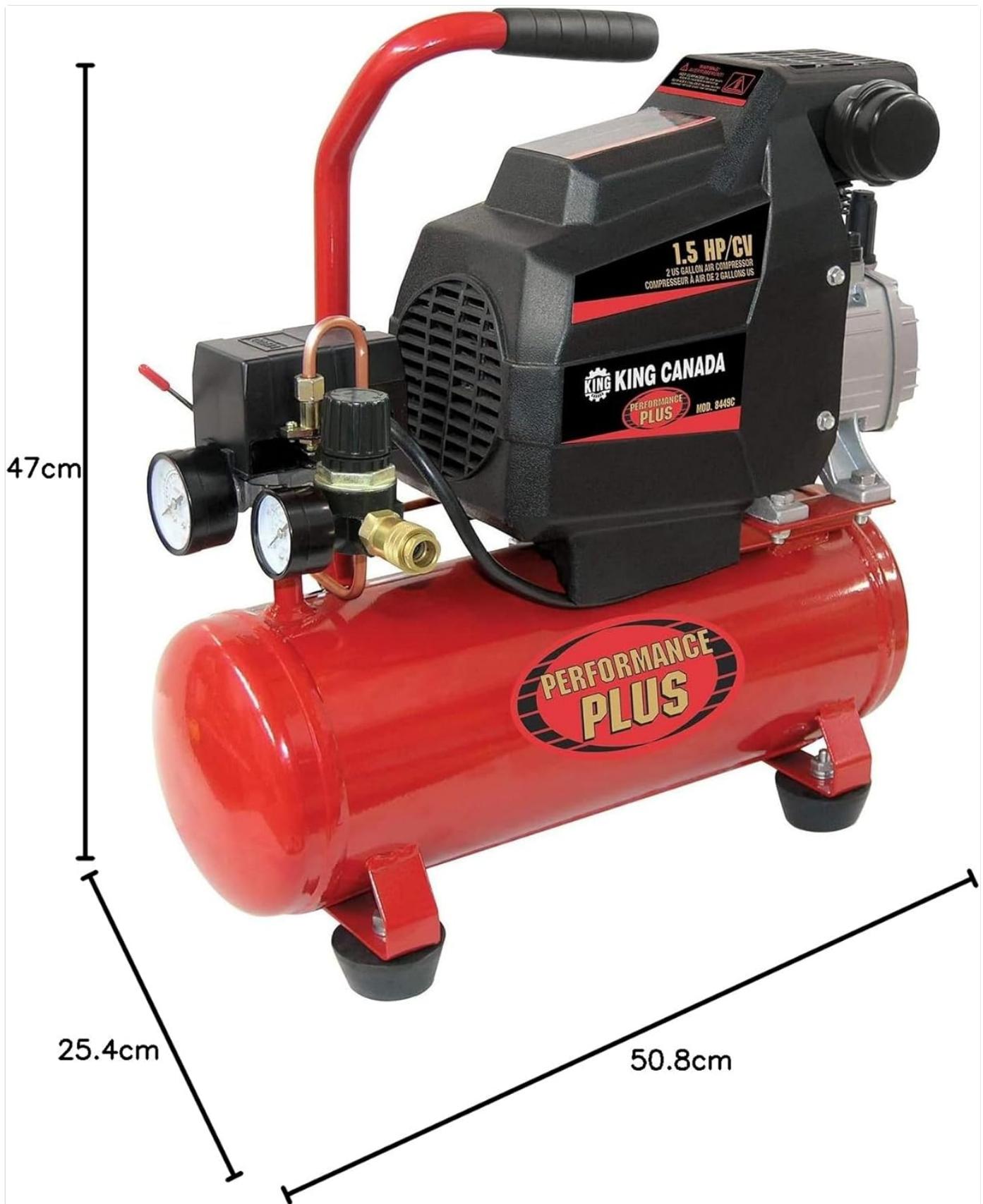


Figure 3.4: Illustration showing the approximate dimensions of the air compressor: 47cm height, 25.4cm width, and 50.8cm length.

## 4. SETUP

Follow these steps for initial setup of your air compressor:

- 1. Unpacking and Inspection:** Carefully remove the compressor from its packaging. Inspect for any shipping damage. Report any damage immediately to your dealer.

2. **Oil Filling:** This compressor features an oil-lubricated pump. Before first use, ensure the oil level is correct. The unit may ship with the oil breather cap removed and the fill hole plugged to prevent leaks during transit. Remove the plug and fill with the recommended compressor oil to the indicated level. Refer to the oil sight glass or dipstick for proper level.
3. **Attach Air Filter:** Securely attach the air filter to the intake port.
4. **Install Quick Coupler:** The 1/4-Inch Universal One Touch Quick Coupler may need to be threaded into place. It is highly recommended to use plumber's tape (PTFE tape) on the threads to ensure an airtight seal and prevent leaks.
5. **Placement:** 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.
6. **Electrical Connection:** Plug the compressor into a grounded 110V, 15 Amp dedicated circuit. Avoid using extension cords if possible; if necessary, use a heavy-duty, grounded extension cord rated for the compressor's amperage.

## 5. OPERATING INSTRUCTIONS

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Once set up, your air compressor is ready for operation:

1. **Initial Break-in (if applicable):** Some compressors require a short break-in period. Consult the specific instructions provided with your unit for details. Typically, this involves running the compressor with the tank drain open for a period to allow components to seat properly.
2. **Power On:** Flip the ON/OFF switch to the 'ON' position. The compressor motor will start and begin to build pressure in the tank.
3. **Monitor Pressure:** Observe the tank pressure gauge. The compressor will automatically shut off when the maximum tank pressure is reached.
4. **Adjust Output Pressure:** Use the air pressure regulator knob to set the desired output pressure for your air tool. The regulated output pressure will be displayed on the second gauge.
5. **Connect Air Tool:** Attach your air tool to the 1/4-Inch Universal One Touch Quick Coupler. Ensure a secure connection.
6. **Operation:** Use your air tool as required. The compressor will cycle on automatically when the tank pressure drops below a preset level to maintain pressure.
7. **Power Off:** When finished, flip the ON/OFF switch to the 'OFF' position.
8. **Drain Tank:** Always drain the moisture from the air tank after each use to prevent corrosion. Open the drain valve located at the bottom of the tank.

## 6. MAINTENANCE

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Regular maintenance is crucial for the longevity and efficient operation of your air compressor. Always disconnect the power before performing any maintenance.

### Daily/After Each Use:

- **Drain Air Tank:** Open the drain valve to release any accumulated moisture. This prevents rust and extends tank life.

### Weekly/Every 10 Hours of Operation:

- **Check Oil Level:** Ensure the oil level is within the recommended range using the sight glass or dipstick. Add oil if necessary.

- **Inspect Air Filter:** Check the air filter for dirt and debris. Clean or replace if necessary to ensure proper air intake and prevent damage to the pump.

## Monthly/Every 50 Hours of Operation:

- **Change Oil:** Replace the compressor oil with the recommended type. Refer to the manufacturer's specifications for oil type and capacity.
- **Inspect for Leaks:** Check all connections, hoses, and fittings for air leaks. Tighten connections as needed.
- **Test Safety Valve:** Briefly pull the ring on the safety valve to ensure it operates freely and releases air. Release the ring to reseal the valve.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your air compressor. For problems not listed here, contact qualified service personnel.

Problem	Possible Cause	Solution
Compressor does not start or stops unexpectedly.	No power; Thermal overload tripped; Low voltage; Faulty switch.	Check power connection/outlet; Press reset button; Try a different circuit; Contact service.
Air leaks from fittings or connections.	Loose connections; Damaged O-rings/seals; No thread sealant.	Tighten fittings; Replace damaged parts; Apply plumber's tape to threads.
Compressor runs continuously or cycles too frequently.	Air leak in tank or lines; Pressure switch malfunction.	Check for leaks (use soapy water); Contact service for pressure switch.
Reduced air delivery or pressure.	Clogged air filter; Air leaks; Worn pump components.	Clean/replace air filter; Check for leaks; Contact service for pump inspection.
Excessive noise or vibration.	Loose components; Insufficient oil; Worn bearings.	Check and tighten all fasteners; Check oil level; Contact service.

## 8. SPECIFICATIONS

Detailed technical specifications for the King Canada 8449N 1.5 HP Air Compressor:

Feature	Specification
Model Number	8449N
Motor	1.5 HP / 12.5 Amp / 110V, 1 phase, 60 Hz
RPM	3,400
Tank Size	2 Gallons
Air Delivery @ 40 PSI	2.76 SCFM

Feature	Specification
Air Delivery @ 90 PSI	2.3 SCFM
Air Flow Capacity	65 LPM
Power Source	Electric
Style	Portable
Product Dimensions	25.4 x 46.99 x 50.8 cm
Item Weight	17.2 kg (38 lbs)
Colour	Red
Special Features	Advanced Design Cooling System
Country of Origin	China

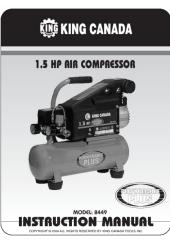
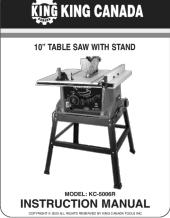
## 9. WARRANTY AND SUPPORT

Your King Canada 8449N 1.5 HP Air Compressor is covered by **a 2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or to inquire about replacement parts, please contact King Canada customer service. Keep your proof of purchase for warranty validation.

For the most up-to-date contact information, please refer to the official King Canada website or the documentation included with your product at the time of purchase.

### Related Documents - 8449N

	<p><a href="#">King Canada 1.5 HP Air Compressor Model 8449 Instruction Manual</a>  This instruction manual provides essential information for the King Canada 1.5 HP Air Compressor, Model 8449. It covers safety precautions, detailed specifications, operating procedures, break-in instructions, maintenance guidelines, and troubleshooting tips.</p>
	<p><a href="#">King Canada KC-5006R 10" Table Saw with Stand Instruction Manual</a>  Comprehensive instruction manual for the King Canada KC-5006R 10" Table Saw with Stand, covering safety, assembly, operation, maintenance, and warranty information. Includes specifications and electrical details.</p>



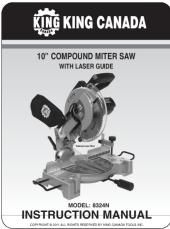
### [King Canada 8385N 10" Dual Bevel Sliding Compound Miter Saw Instruction Manual](#)

Instruction manual for the King Canada 8385N 10-inch Dual Bevel Sliding Compound Miter Saw with Twin Laser Guide. Covers safety instructions, electrical information, specifications, unpacking, assembly, adjustments, operations, blade replacement, and maintenance.



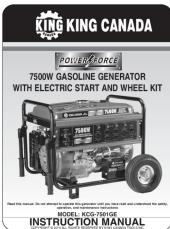
### [King Canada 8245RN Coil Roofing Nailer Instruction Manual](#)

Comprehensive instruction manual for the King Canada 8245RN Coil Roofing Nailer, covering operation, safety, maintenance, and troubleshooting. Includes specifications and warranty information.



### [King Canada 8324N 10-Inch Compound Miter Saw with Laser Guide - Instruction Manual](#)

Comprehensive instruction manual for the King Canada 8324N 10-inch compound miter saw with laser guide. Covers safety instructions, electrical specifications, assembly, operating controls, adjustments, blade changing, and maintenance.



### [King Canada 7500W Gasoline Generator KCG-7501GE User Manual](#)

Comprehensive user manual for the King Canada 7500W Gasoline Generator (Model KCG-7501GE) with electric start and wheel kit. Includes safety precautions, assembly, operation, maintenance, troubleshooting, and warranty information.