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NorthStar c0120938-6e20-4e9b-936c-be8c9edd0169

NorthStar Single-Stage Portable Electric Air Compressor User Manual

Model: c0120938-6e20-4e9b-936c-be8c9edd0169

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your NorthStar Single-Stage Portable Electric Air Compressor. Please read this manual thoroughly before operating the unit to ensure proper use and to prevent injury or damage.
The NorthStar Single-Stage Portable Electric Air Compressor is designed for various applications, delivering reliable air pressure for tasks such as air brushing and powering pneumatic tools. It features a 2 HP 115V/230V dual voltage induction motor, a 2-cylinder cast iron single-stage pump, and a 20-gallon vertical tank. It delivers 5.0 CFM at 90 PSI and 6.0 CFM at 40 PSI.

Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep children and bystanders away. Do not operate the compressor in explosive atmospheres. Wear appropriate personal protective equipment, including eye protection.

- Ensure the compressor is placed on a stable, level surface.
- Do not operate the compressor with damaged cords or plugs.
- Always disconnect power before performing maintenance or repairs.
- Do not exceed the maximum operating pressure of any air tool or accessory.
- Regularly inspect the unit for signs of wear or damage.

Setup

Before first use, some assembly is required. This typically includes attaching the wheels and the handle. Ensure all components are securely fastened.



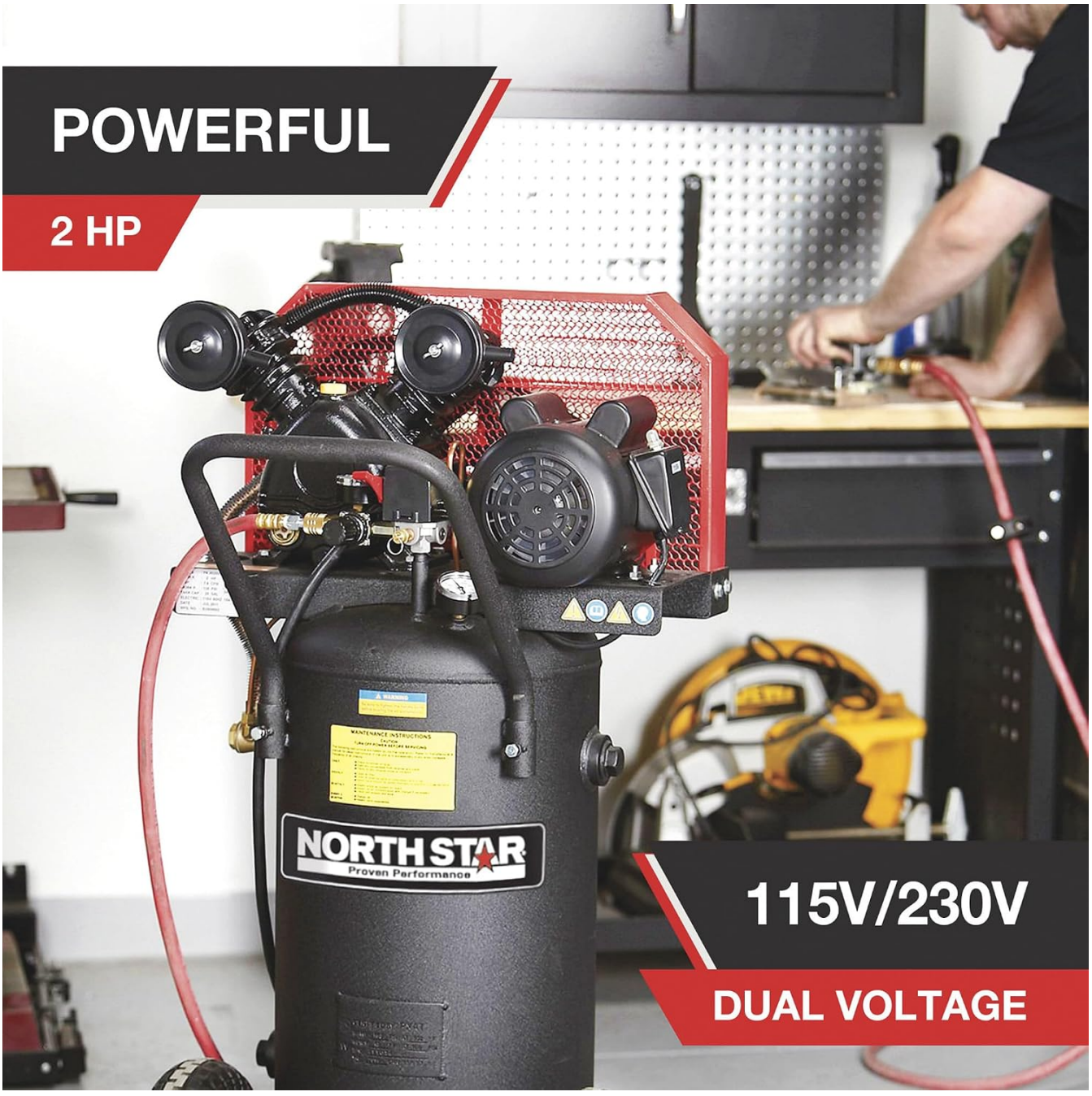

NORTH
STAR
Proven Performance



This image displays the NorthStar Single-Stage Portable Electric Air Compressor, highlighting its vertical tank design, wheels for portability, and the motor and pump assembly at the top. The unit is black with a red protective cage.

Initial Preparation

1. **Attach Wheels and Handle:** Securely bolt the wheels to the compressor base and attach the handle according to the diagrams provided in the separate assembly guide.
2. **Add Compressor Oil:** The compressor does not ship with oil. Before initial operation, fill the crankcase with appropriate compressor oil to the specified level. Refer to the oil fill cap or dipstick for markings.
3. **Electrical Connection:** The unit comes wired for 115V operation with a 6ft. cord and plug. If 230V operation is desired, the unit can be rewired by a qualified electrician. Ensure the power source matches the compressor's voltage requirements.



The air compressor is shown in a garage or workshop environment, demonstrating its practical size and placement. A person is visible in

the background, suggesting the compressor's use in a working setup.

Operating Instructions

Operating your NorthStar air compressor is straightforward once setup is complete. Always ensure the area is well-ventilated and free from obstructions.

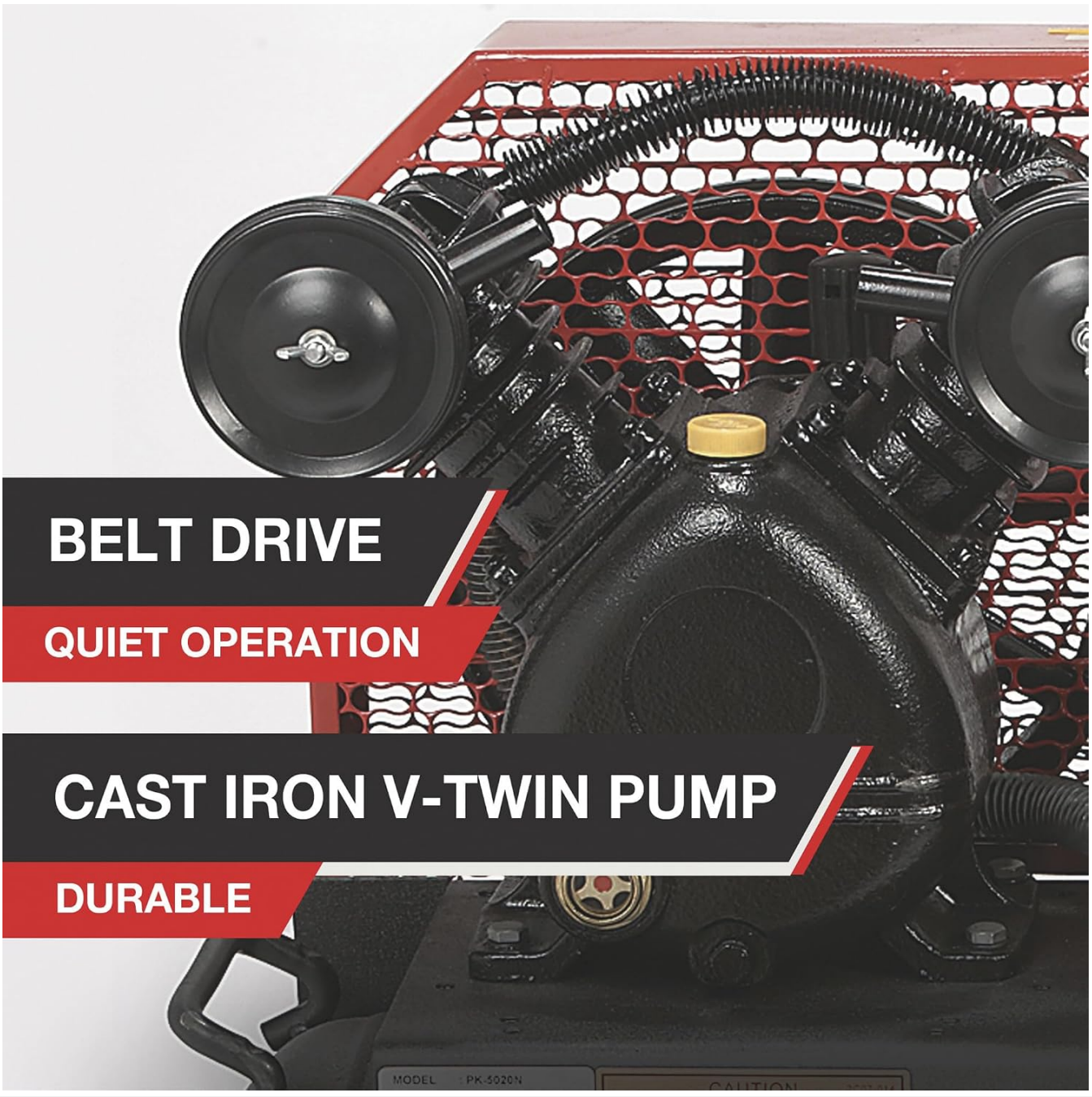
Basic Operation

1. **Connect Air Hose:** Attach your air hose and desired pneumatic tool to the compressor's air outlet.
2. **Power On:** Plug the compressor into a suitable electrical outlet. Turn the power switch to the "ON" position. The motor will start, and the pump will begin to build pressure in the tank.
3. **Monitor Pressure:** Observe the pressure gauge. The compressor will automatically shut off when the maximum pressure is reached and restart when the pressure drops below a preset minimum.
4. **Adjust Regulator:** Use the pressure regulator knob to set the desired output air pressure for your tools.
5. **Power Off:** When finished, turn the power switch to the "OFF" position and disconnect the power cord.



This image emphasizes key features of the compressor, including its 2 horsepower motor and dual voltage capability (115V/230V),

indicating its powerful and versatile electrical requirements.



The image showcases the compressor's performance metrics: 5.0 CFM (Cubic Feet per Minute) at 90 PSI, indicating its efficiency, and its 20-gallon tank capacity, providing ample air storage.

The compressor operates at a noise level of approximately 80 dB, which is typical for units of this capacity.

Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your air compressor. Perform these checks routinely.

Daily/Before Each Use

- **Drain Condensate:** Open the air-release valve located at the bottom of the tank to drain any accumulated moisture. This prevents rust and corrosion inside the tank. For complete drainage, it may be necessary to slightly tip the compressor towards the drain valve.
- **Check Oil Level:** Ensure the oil level is within the recommended range on the dipstick. Add compressor oil if

necessary.

Monthly/After 50 Hours of Use

- **Inspect Air Filter:** Clean or replace the air filter as needed. A clogged filter can reduce efficiency and damage the pump.
- **Check for Leaks:** Listen for air leaks around fittings and connections. Apply soapy water to suspected areas; bubbles indicate a leak. Tighten connections as needed.
- **Inspect Belt:** Check the drive belt for proper tension and signs of wear. Adjust tension or replace the belt if it appears loose or damaged.



A detailed view of the compressor's durable cast iron V-twin pump and the belt-drive system, which contributes to quieter operation and robust performance.

Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Compressor does not start or stops unexpectedly.	No power, tripped circuit breaker, motor overload.	Check power connection, reset circuit breaker, allow motor to cool down.
Low air pressure or slow recovery.	Air leaks, clogged air filter, worn pump components, restrictive regulator.	Check for leaks and tighten fittings, clean/replace air filter, inspect pump, consider upgrading regulator for higher airflow applications (e.g., 3/8" regulator for 1/2" impact guns).
Excessive noise or vibration.	Loose components, worn belt, insufficient oil.	Tighten all bolts and nuts, check and adjust belt tension, ensure proper oil level.
Moisture in air line.	Infrequent condensate drainage.	Drain condensate from the tank daily. Ensure complete drainage by tipping the compressor if necessary.

Specifications

Detailed technical specifications for your NorthStar Air Compressor.



This image provides the physical dimensions of the air compressor, showing its height (43 inches), length (23 inches), and width (22 inches), useful for planning placement.

Specification	Value
Brand	NorthStar
Model Name	c0120938-6e20-4e9b-936c-be8c9edd0169
Motor Horsepower	2 HP
Voltage	115V/230V (wired for 115V)

Specification	Value
AC Adapter Current	15/7.5 Amps
Air Flow Capacity (CFM @ 90 PSI)	5.0 CFM
Air Flow Capacity (CFM @ 40 PSI)	6.0 CFM
Capacity	20 Gallons
Noise Level	80 dB
Power Source	Corded Electric
Item Weight	198 Pounds
Product Dimensions (L x W x H)	23"L x 22"W x 43"H
Included Components	Power Cord
Pump Type	2-cylinder cast iron single-stage

Warranty and Support

NorthStar stands behind the quality of its products. Your NorthStar Single-Stage Portable Electric Air Compressor is backed by a comprehensive warranty.

Warranty Information

This product typically comes with an industry-leading**4-year warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or visit the official NorthStar website.

Customer Support

For technical assistance, parts, or service, please contact NorthStar Customer Support. You can find contact information on the official NorthStar website or through your retailer. Additionally, a **30-day easy returns** policy is typically available through your purchase channel.
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