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› Campbell Hausfeld VT6171 20-Gallon Gas Air Compressor Instruction Manual

Campbell Hausfeld VT6171

Campbell Hausfeld VT6171 20-Gallon Gas Air Compressor Instruction Manual

Model: VT6171

1. PRODUCT OVERVIEW

The Campbell Hausfeld VT6171 is a 20-gallon gas-powered air compressor designed for various pneumatic applications. It features a 5.5 HP Honda GX160 engine, providing reliable power for professional and DIY projects where electrical power may not be available. This portable unit delivers 10.2 CFM at 90 PSI and 9.1 CFM at 135 PSI, with a maximum pressure of 135 PSI. Its horizontal tank design, pneumatic wheels, and sturdy handle ensure stability and ease of transport across job sites.



Image 1.1: Front view of the Campbell Hausfeld VT6171 20-Gallon Gas Air Compressor, showcasing its blue tank, red Honda engine, and wheels.

Key features include an oil-lubricated, two-cylinder, single-stage cast-iron pump for dependable performance and a fully enclosed metal belt guard for user safety. The compressor is suitable for powering tools used in tasks such as inflation, hobby painting, paint spraying, fastening, nailing, bolting, and tightening.

2. SAFETY INFORMATION

WARNING: Operating this equipment can expose you to chemicals including carbon monoxide, engine exhaust, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always read and understand the entire instruction manual before operating the air compressor. Failure to follow all instructions may result in serious injury or property damage.

- Ensure the compressor is placed on a stable, level surface during operation.
- Operate in a well-ventilated area to prevent carbon monoxide buildup from the gas engine.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Keep children and bystanders away from the operating compressor.
- Do not operate the compressor if any parts are damaged or missing.
- Never direct compressed air at yourself or others.
- Always relieve air pressure from the tank before performing maintenance or moving the compressor.

- The fully enclosed metal belt guard is designed to protect users from moving components. Do not remove or tamper with this guard during operation.

3. COMPONENTS AND SETUP

This section details the primary components and steps for setting up your air compressor for initial use.



Connecting to the Air Supply

We recommend inspecting your compressor filter regularly, and draining the compressor after each use. Also remember that most air tools require daily lubrication when in use.

Ensure all hoses and fittings are correct size and type, and are secured tightly.

Note: If an air hose longer than 25' is required, use a 3/8" diameter air hose to ensure that the tool has the necessary air supply.

Portable Compressor Set-Up	
Part	Description
1	Air Compressor
2	Female Plug
3	Air Hose
4	Female Coupler
5	Male Plug
6	Air Tool

Portable Compressor Set-Up

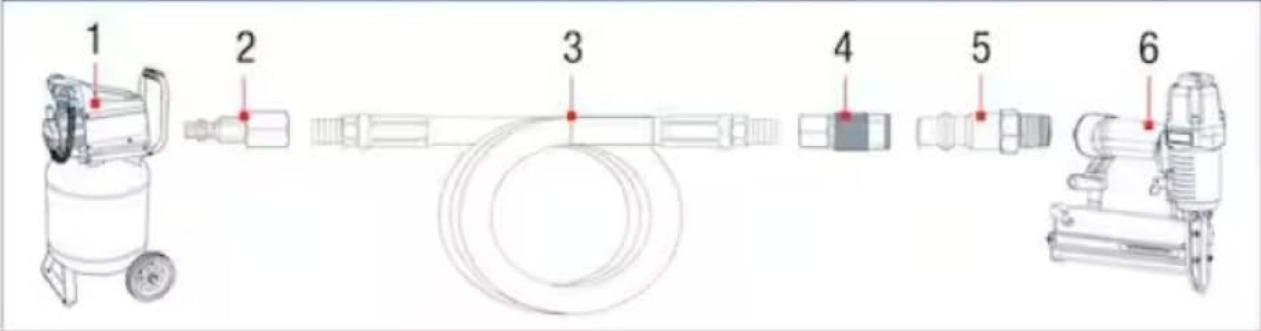


Image 3.1: Diagram illustrating the connection of an air compressor to an air tool, with numbered components.

3.1 Component Identification

Part	Description
1	Air Compressor
2	Female Plug

Part	Description
3	Air Hose
4	Female Coupler
5	Male Plug
6	Air Tool

3.2 Connecting to the Air Supply

1. Ensure all hoses and fittings are the correct size and type for your air tools and are secured tightly to prevent air leaks.
2. Connect the air hose (3) to the air compressor's outlet.
3. Attach the female coupler (4) to one end of the air hose (3).
4. Connect the male plug (5) to your air tool (6).
5. Connect the air tool (6) with the male plug (5) to the female coupler (4) on the air hose.

Note: If an air hose longer than 25 feet is required, use a 3/8-inch diameter air hose to ensure that the tool receives the necessary air supply for optimal performance.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and efficient operation of your gas-powered air compressor.

4.1 Pre-Operation Checks

- Check engine oil level and add if necessary.
- Ensure the fuel tank is adequately filled with the correct type of gasoline.
- Inspect all connections for tightness and ensure no leaks are present.
- Verify that the air filter is clean and properly installed.
- Ensure the drain valve on the air tank is closed.

4.2 Starting the Compressor

1. Place the compressor on a firm, level surface in a well-ventilated outdoor area.
2. Turn the engine switch to the 'ON' position.
3. Open the fuel valve.
4. If the engine is cold, move the choke lever to the 'CHOKE' position.
5. Pull the starter grip slowly until resistance is felt, then pull briskly. Repeat if necessary until the engine starts.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.
7. Allow the compressor to build pressure until it reaches its maximum PSI and the engine idles or shuts off (if equipped with an idle control).

4.3 Using Air Tools

- Adjust the regulator to the recommended pressure for your specific air tool.
- Begin using your air tool. The compressor will cycle on and off to maintain tank pressure.



Image 4.1: An individual using an air-powered impact wrench on a vehicle's wheel, demonstrating a typical application for the compressor.

4.4 Shutting Down the Compressor

1. Turn off the engine switch.
2. Close the fuel valve.
3. Open the drain valve at the bottom of the air tank to release all air pressure and drain any accumulated moisture. Close the drain valve after draining.
4. Disconnect air tools and hoses.

5. MAINTENANCE

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

- **Daily:** Drain moisture from the air tank after each use. Inspect the compressor filter regularly.
- **Weekly/Every 10 Hours:** Check engine oil level. Clean the air filter.

- **Monthly/Every 50 Hours:** Change engine oil. Inspect spark plug.
- **Annually/Every 100 Hours:** Replace air filter. Inspect fuel lines and connections.

Important: Most air tools require daily lubrication. Refer to your air tool's manual for specific lubrication requirements.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor will not start	No fuel; Engine switch OFF; Choke not set correctly; Low engine oil.	Add fuel; Turn engine switch ON; Adjust choke; Check/add engine oil.
Low air pressure/CFM	Air leaks; Clogged air filter; Worn pump components.	Check all connections for leaks and tighten; Clean/replace air filter; Contact service for pump inspection.
Excessive vibration/noise	Loose components; Compressor not on level surface.	Check and tighten all bolts and nuts; Place compressor on a stable, level surface.
Moisture in air line	Tank not drained regularly.	Drain tank after each use.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Campbell Hausfeld customer support.

7. SPECIFICATIONS

Detailed technical specifications for the Campbell Hausfeld VT6171 Air Compressor.

Specification	Value
Brand	Campbell Hausfeld
Model Number	VT6171
Power Source	Gas Powered (Honda GX160 Engine)
Maximum Power	5.5 HP
Tank Capacity	20 Gallons
Air Flow Capacity (90 PSI)	10.2 CFM
Air Flow Capacity (135 PSI)	9.1 CFM
Maximum Pressure	135 PSI (9.3 bar)
Item Weight	164 pounds
Noise Level	68 dB
Material Type	Alloy Steel

Specification	Value
Included Components	20 Gallon Portable Air Compressor (1)
UPC	045564100957

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Campbell Hausfeld VT6171 Air Compressor comes with a **1 Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, parts, or warranty service, please contact Campbell Hausfeld customer support. Refer to the contact information provided in your product packaging or visit the official Campbell Hausfeld website for the most current support details.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

