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Baotree 8Gallons

Baotree 8-Gallon Portable Ultra Quiet Air Compressor User Manual

Model: 8Gallons

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1. INTRODUCTION

Thank you for choosing the Baotree 8-Gallon Portable Ultra Quiet Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor. Please read it thoroughly before use and retain it for future reference.

This portable air compressor is designed for various applications, including auto repair, tire inflation, woodworking nailing, and spray painting. Its oil-free motor and quiet operation make it suitable for both workshops and home environments.



Figure 1: Baotree 8-Gallon Portable Ultra Quiet Air Compressor, showcasing its compact design with wheels and handle.

2. SAFETY INSTRUCTIONS

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

General Safety

- **Read the Manual:** Familiarize yourself with the controls and proper use of the compressor.
- **Electrical Safety:** Ensure the power source matches the compressor's voltage (110V/60Hz). Do not operate in wet conditions.

- **Personal Protective Equipment:** Wear safety glasses or goggles when operating the compressor or using air tools. Hearing protection is recommended for prolonged use.
- **Ventilation:** Operate the compressor in a well-ventilated area.
- **Pressure Relief:** Never attempt to disable or adjust the safety relief valve.
- **Drain Tank:** Always drain moisture from the air tank daily to prevent corrosion and ensure safe operation.
- **Secure Placement:** Place the compressor on a stable, level surface.
- **Children and Bystanders:** Keep children and unauthorized persons away from the operating compressor.
- **Maintenance:** Disconnect power before performing any maintenance or repairs.

Air Pressure Safety

- **Maximum Pressure:** Do not exceed the maximum operating pressure of 115 PSI (8 Bars).
- **Air Tools:** Ensure all air tools and accessories are rated for the compressor's pressure output.
- **Hoses and Fittings:** Use only hoses and fittings rated for high pressure. Inspect them regularly for damage.

3. PRODUCT OVERVIEW

The Baotree 8-Gallon Portable Ultra Quiet Air Compressor features a robust design for reliable performance. Key components are highlighted below:

PRODUCT DETAILS INTRODUCTION



Figure 2: Key components of the Baotree 8-Gallon Air Compressor.

1. **Pressure Switch:** Controls the motor to maintain tank pressure.
2. **Air Filter:** Filters incoming air to protect the motor.
3. **Two Pressure Control Gauges:** Display tank pressure and regulated output pressure.
4. **Oil-Free Air Compressor:** The pump mechanism that compresses air.
5. **Powerful 1.5HP Motor:** Drives the compressor pump.
6. **Two Female Industrial "Push to Connect" Quick Connectors:** For attaching air hoses and tools.
7. **Stainless Steel Braided Tube:** Connects the pump to the tank, designed for durability.
8. **8 Gallon Steel Tank:** Stores compressed air.
9. **Rubber Floor Mat:** Provides stability and reduces vibration.
10. **Wheel:** For easy portability.

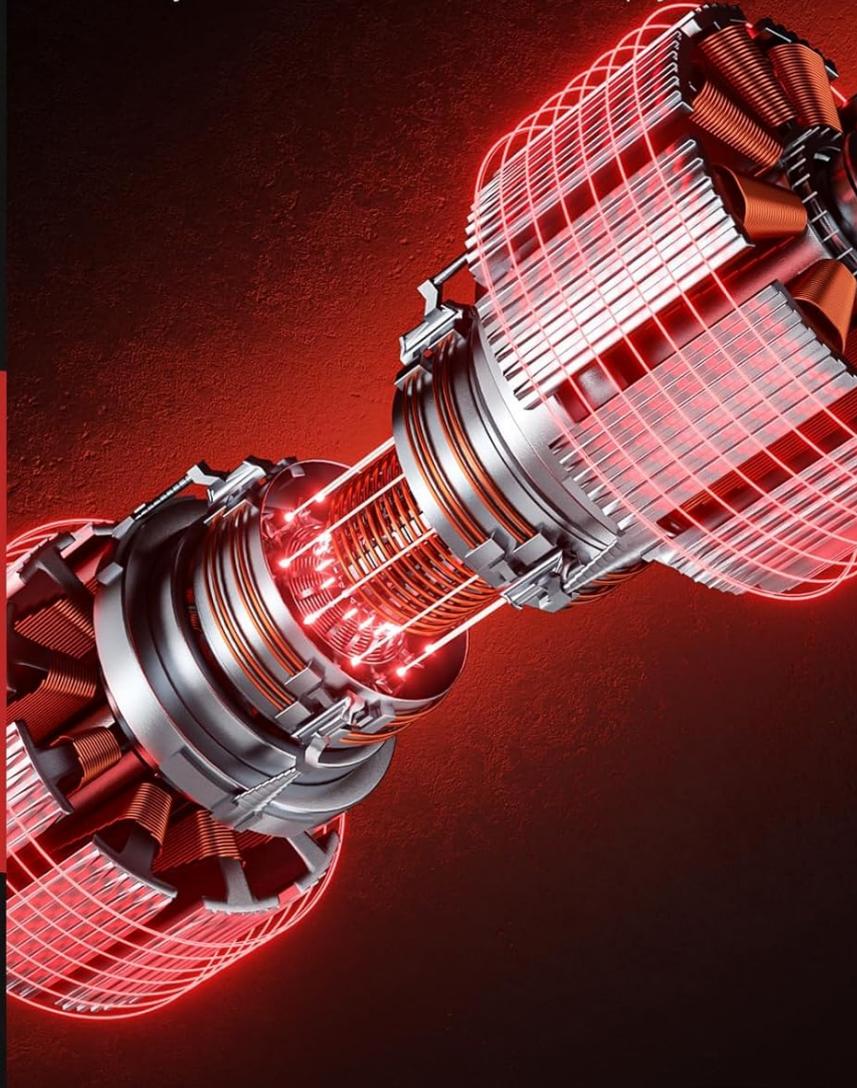
Key Features:

- **Ultra Quiet Operation:** Operates at approximately 70dB, comparable to normal conversation.
- **Fast Tank Fill:** Fills an empty 8-gallon tank to maximum pressure in approximately 90 seconds.
- **Oil-Free Design:** Requires no oil, reducing maintenance and ensuring cleaner air output.

- **Durable Construction:** Q235B structural steel tank with anti-rust and wear-resistant layers.
- **Safety Features:** Automatic overheating protection, pressure relief valve, and automatic shut-off for high current/pressure.

OIL-FREE AIR COMPRESSOR

It takes only **60** seconds to fill the empty tank to maximum pressure



275°F Automatic
overheat protection

1.6HP

8.75CFM@

115PSI

Figure 3: The dual-tube, dual-cylinder intake system for efficient air compression.

4. SETUP

Before operating your air compressor, follow these steps for initial setup:

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Wheel Installation:** Attach the wheels to the compressor frame using the provided hardware. Ensure they are securely fastened for stability and mobility.
3. **Rubber Feet/Mats:** Ensure the rubber floor mats are properly positioned to absorb vibration and provide stability.
4. **Placement:** Position the compressor on a firm, level surface in a clean, well-ventilated area. Ensure there is adequate space around the unit for air circulation.

5. **Electrical Connection:** Connect the power cord to a grounded 110V/60Hz electrical outlet. Do not use extension cords unless absolutely necessary, and if so, ensure it is a heavy-duty, grounded cord rated for the compressor's power requirements.
6. **Drain Valve:** Ensure the tank drain valve at the bottom of the tank is closed before starting the compressor.

5. OPERATING INSTRUCTIONS

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

Starting the Compressor

1. **Connect Air Hose:** Attach your air hose to one of the quick connectors.
2. **Power On:** Flip the power switch to the "ON" position. The compressor motor will start, and the tank will begin to fill with air.
3. **Monitor Pressure:** Observe the tank pressure gauge. The compressor will automatically shut off once the maximum pressure (115 PSI) is reached.
4. **Adjust Output Pressure:** Use the pressure regulator knob to set the desired output pressure for your air tool. The regulated pressure gauge will show the adjusted output pressure.

Using Air Tools

- Ensure your air tool is compatible with the compressor's pressure and CFM output.
- Connect the air tool to the air hose.
- Begin your task. The compressor will cycle on and off automatically to maintain tank pressure as air is consumed.

AIR COMPRESSOR

Be in control of any situation



Tire inflation

Auto repair

Woodwork nailing

Spray painting

Figure 4: Common applications for the Baotree air compressor.

Shutting Down

1. **Power Off:** Flip the power switch to the "OFF" position.
2. **Depressurize:** Open the air hose connection or use an air tool to release any remaining air pressure from the hose and regulated output.
3. **Drain Tank:** Slowly open the drain valve located at the bottom of the air tank to release accumulated moisture. Close the valve once all moisture and air have been expelled. This is crucial for preventing tank corrosion.

LOW NOISE 70DB

No more disturbing, even working at home

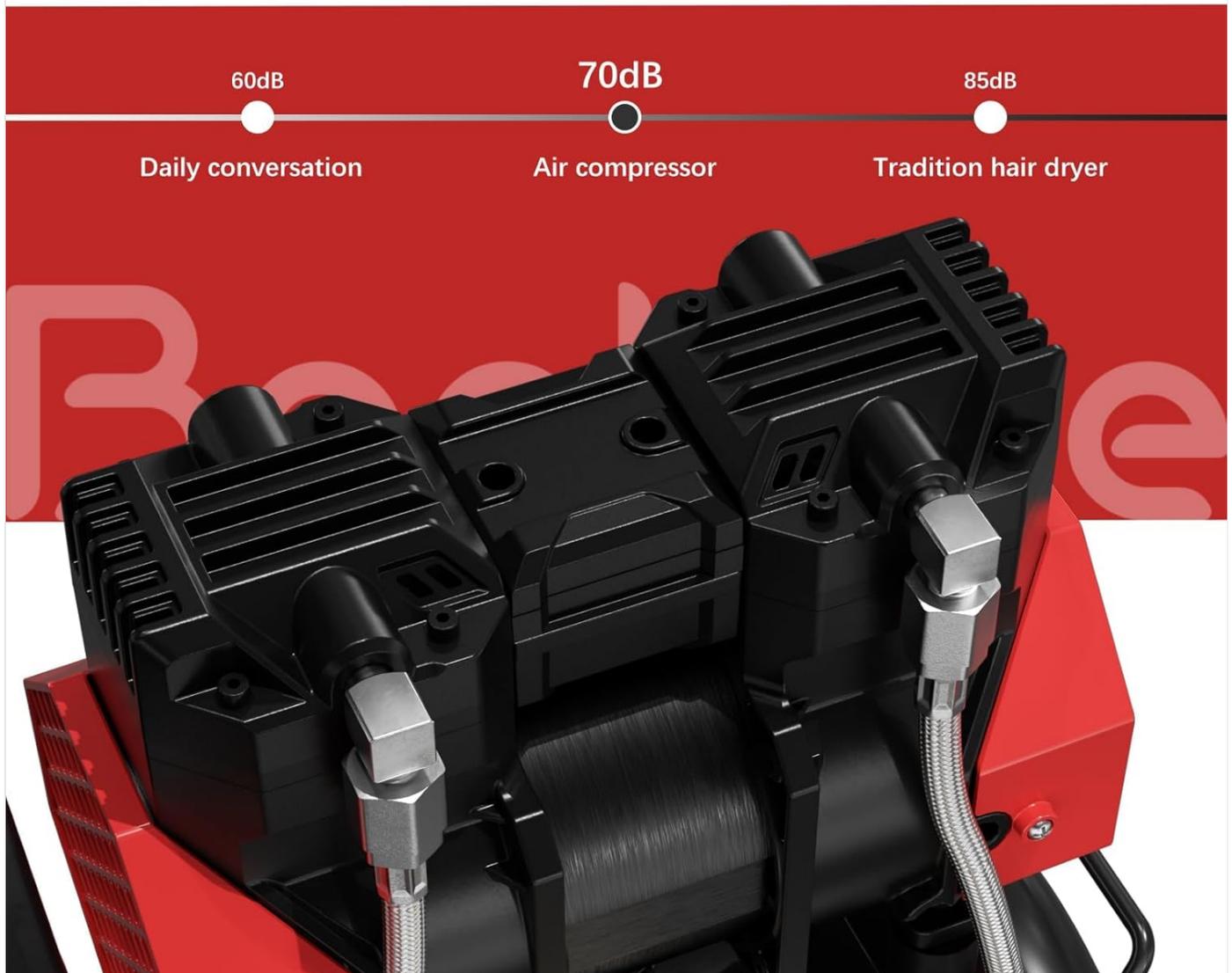


Figure 5: The compressor operates at a low noise level of approximately 70dB.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your air compressor. Always disconnect the power before performing any maintenance.

- **Daily: Drain Air Tank:** Open the drain valve at the bottom of the tank to release accumulated moisture. This prevents rust and extends tank life.
- **Weekly: Inspect Air Filter:** Check the air filter for dust and debris. Clean or replace if necessary to ensure optimal airflow and protect the motor.
- **Monthly: Inspect Hoses and Fittings:** Check all air hoses and connections for leaks, cracks, or damage. Replace any damaged components immediately.
- **Periodically: Clean Exterior:** Wipe down the exterior of the compressor with a damp cloth to remove dust and grime. Do not use harsh chemicals.
- **Oil-Free Motor:** This compressor features an oil-free motor, eliminating the need for oil changes or lubrication.

BUILT TO WITHSTAND

3-Layer process, against explosion and leakage

3.5 MPA MAX. BEARING PRESSURE

0.06 in thickness

- ① Q235B structural steel
- ② Plastic powder attachment layer
- ③ Rust & wear resistant layer

Figure 6: The robust, multi-layered construction of the air tank ensures durability and resistance to corrosion.

7. TROUBLESHOOTING

If you encounter issues with your air compressor, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Compressor does not start.	No power, tripped circuit breaker, faulty switch.	Check power connection, reset circuit breaker, contact support if switch is faulty.
Compressor runs continuously or cycles too frequently.	Air leak in tank or connections, faulty pressure switch.	Check all connections for leaks (use soapy water), tighten fittings. If problem persists, contact support.
Low air pressure or insufficient airflow.	Clogged air filter, air leak, regulator set too low.	Clean or replace air filter. Check for air leaks. Adjust pressure regulator.

Problem	Possible Cause	Solution
Excessive noise or vibration.	Loose components, compressor not on a level surface.	Check and tighten any loose bolts or screws. Ensure compressor is on a stable, level surface.
Compressor overheats and shuts off.	Poor ventilation, prolonged heavy use, motor overload.	Ensure adequate ventilation. Allow compressor to cool down. Reduce duty cycle if possible.

8. SPECIFICATIONS

Technical specifications for the Baotree 8-Gallon Portable Ultra Quiet Air Compressor:

Feature	Detail
Model	8Gallons
Tank Capacity	8 Gallons
Motor Horsepower	1.5 HP
Voltage	110V/60Hz
Maximum Pressure	115 PSI (8 Bars)
Noise Level	70 dB
CFM at 90 PSI	4.52 CFM
Motor Type	Oil-Free
Item Weight	37.5 Pounds (approx. 17.2 kg)
Dimensions (L x W x H)	Approx. 24 x 11 x 22 inches
Special Features	Portable, Ultra Quiet, Overheat Protection

PRODUCT SPECIFICATIONS



Figure 7: Visual representation of key product specifications and dimensions.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or assistance with parts, please contact Baotree customer service. Keep your purchase receipt as proof of purchase.

You can often find contact details on the manufacturer's official website or through the retailer where you purchased the product.

Online Resources: For additional information and support, visit the [Baotree Store on Amazon](#).