

Baotree 8G

Baotree 8 Gallon Ultra Quiet Oil-Free Air Compressor (Model: 8G) Instruction Manual

Brand: Baotree | Model: 8G

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your Baotree 8 Gallon Ultra Quiet Oil-Free Air Compressor, Model 8G. Designed for versatility, this portable air compressor features an 8-gallon pressure tank and a 1.5HP oil-less motor, delivering 4.52 CFM at 115 PSI. Its ultra-quiet operation at 70dB makes it suitable for various applications in workshops and homes, including tire inflation, spray painting, car repair, and woodwork nailing.



Figure 1: Baotree 8 Gallon Ultra Quiet Air Compressor, Model 8G.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this air compressor. Failure to follow these warnings may result in serious injury or property damage.

- **Electrical Safety:** Ensure the power supply matches the compressor's voltage (110V/60Hz). Do not operate in wet conditions.
- **Pressure Safety:** The compressor is equipped with a pressure switch that automatically shuts off the motor when maximum pressure is reached. A safety valve will release pressure if it exceeds the predetermined maximum. Do not attempt to modify or bypass these safety features.

- **Overheating Protection:** The motor has automatic overheating protection. If the motor stops due to overheating, allow it to cool down before restarting.
- **Personal Protective Equipment:** Always wear appropriate eye and hearing protection when operating the compressor or air tools.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating and ensure proper air intake.
- **Drainage:** Regularly drain moisture from the air tank to prevent corrosion and ensure optimal performance.

3. PRODUCT COMPONENTS

Familiarize yourself with the key components of your air compressor:

PRODUCT DETAILS INTRODUCTION



- ① Pressure switch
- ② Air filter
- ③ **TWO** Pressure Control Gauges
- ④ Oil-free air compressor
- ⑤ Powerful **1.5HP** Motor
- ⑥ **TWO**-Female Industrial "Push to Connect" Quick Connectors
- ⑦ Stainless steel braided tube
- ⑧ **8 Gallon** steel tank
- ⑨ Rubber floor mat
- ⑩ Wheel

Figure 2: Key components of the air compressor.

1. **Pressure Switch:** Controls motor operation based on tank pressure.
2. **Air Filter:** Filters incoming air to protect the motor and ensure clean air output.
3. **Two Pressure Control Gauges:** Displays tank pressure and regulated output pressure.
4. **Oil-Free Air Compressor:** The motor unit that compresses air without the need for oil lubrication.
5. **Powerful 1.5HP Motor:** Provides the power for air compression.

6. **Two Female Industrial "Push to Connect" Quick Couplers:** For easy attachment and detachment of air tools.
7. **Stainless Steel Braided Tube:** Connects the compressor head to the tank, offering durability and protection.
8. **8 Gallon Steel Tank:** Stores compressed air.
9. **Rubber Floor Mat:** Provides stability and reduces vibration.
10. **Wheel:** For easy mobility of the compressor.

The compressor features a single tube and double cylinder intake system for efficient inflation. The intake pipe is made of high-temperature resistant silicone and stainless steel braided mesh for durability.

Inner	Outer Layer
275°F Temp Resistant Silicone	Stainless Steel Braided Mesh

**DOUBLE TUBES,
DOUBLE EFFICIENCY
≤1.5MIN(0-115PSI)**

Figure 3: Double tube, double efficiency intake system.

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 4: Durable Q235B structural steel tank with anti-rust and wear-resistant layers.

4. SETUP

Your Baotree air compressor is designed for easy assembly. Follow these steps for initial setup:

1. **Attach Wheels:** Securely attach the wheels to the designated axles on the compressor tank.
2. **Install Handle:** Fasten the handle to the top of the compressor unit.
3. **Install Air Filters:** Screw the air filters into the intake ports on the motor unit. Ensure they are hand-tight.
4. **Positioning:** Place the compressor on a stable, level surface in a well-ventilated area.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **To Turn On:** Plug the power cord into a grounded 110V/60Hz outlet. Flip the main power switch to the "ON" position. The motor will start and begin filling the tank.
- **To Turn Off:** Flip the main power switch to the "OFF" position.

5.2 Adjusting Output Pressure

- Locate the red dial on the pressure regulator.
- Turn the dial clockwise to increase the output pressure or counter-clockwise to decrease it.
- Monitor the output pressure gauge to set the desired PSI for your air tool.

5.3 Connecting Air Tools

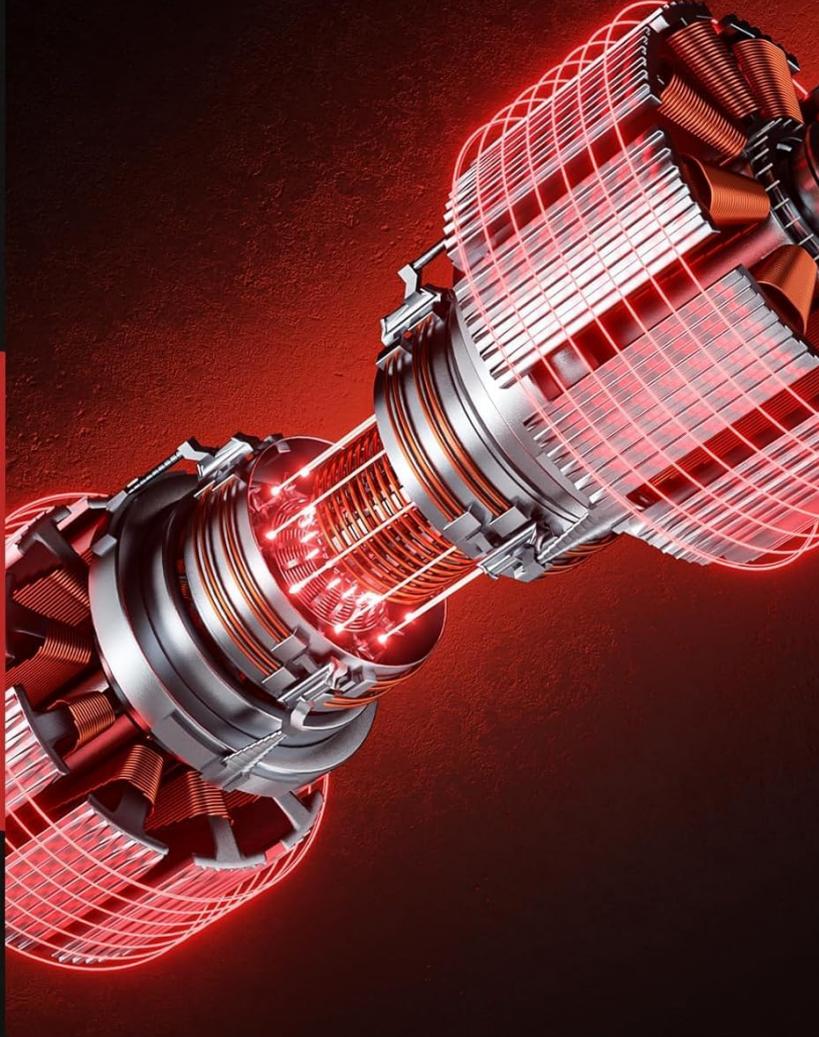
- Ensure the compressor is off and the output pressure is set to zero before connecting tools.
- Push the air tool's quick-connect fitting into one of the two female industrial quick couplers until it locks securely.
- Once connected, adjust the output pressure as needed and turn on the compressor.

5.4 Safety Features

- **Thermal Overload Protection:** If the motor overheats, it will automatically shut off. Allow it to cool before pressing the reset button (if applicable) and restarting.
- **Pressure Relief Valve:** This valve automatically activates if the tank pressure exceeds safe limits, releasing excess air.
- **Automatic Restart:** When internal tank pressure drops below 70 PSI, the motor will automatically restart for approximately 33 seconds to ensure continuous use.

OIL-FREE AIR COMPRESSOR

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



275°F Automatic
overheat protection

1.5HP

4.52CFM@

115PSI

Figure 5: 1.5HP oil-free motor with 275°F automatic overheat protection.

LOW NOISE 70dB

No more disturbing, even working at home

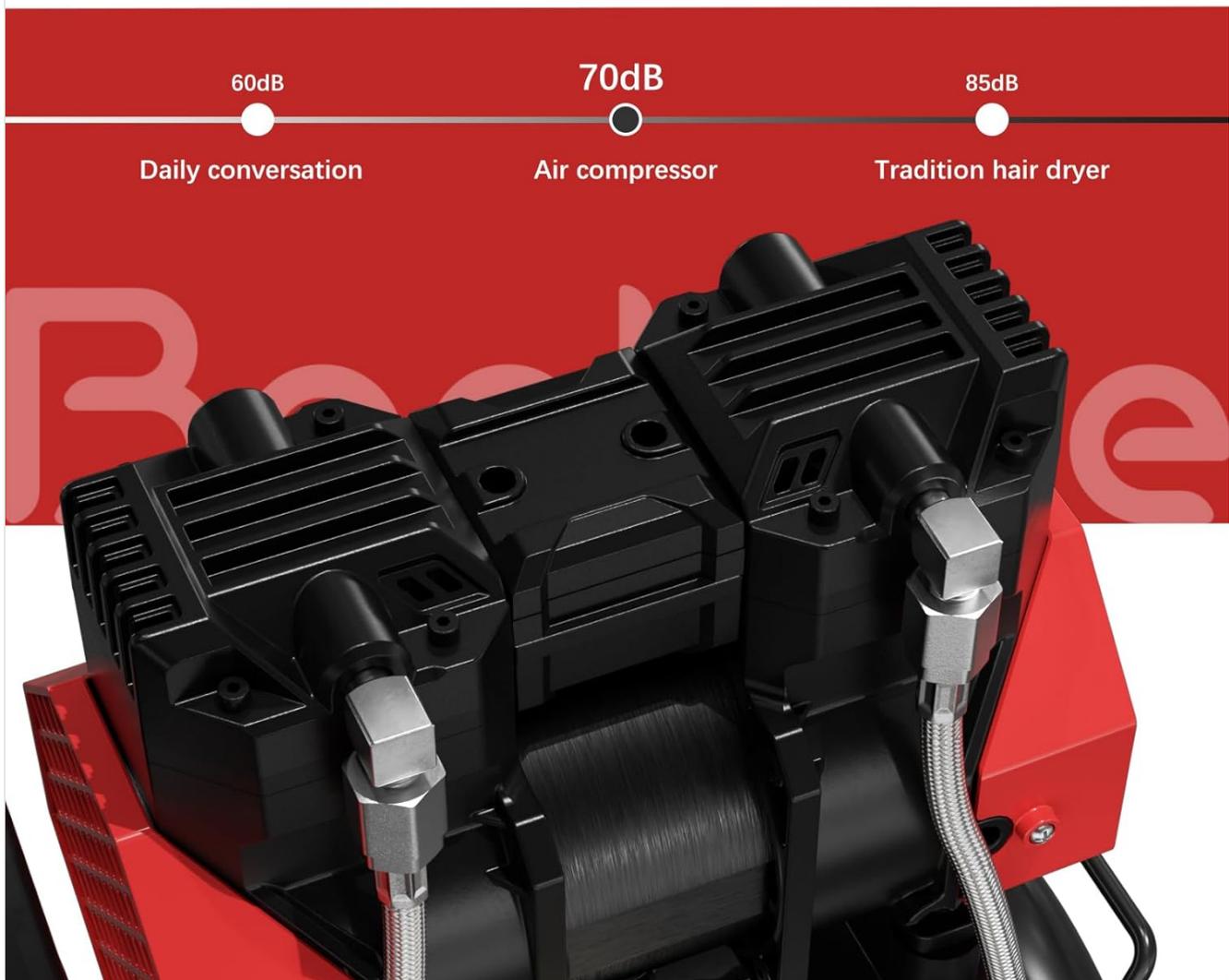


Figure 6: The compressor operates at a low noise level of 70dB, comparable to normal conversation.

6. MAINTENANCE

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

- **Drain Air Tank:** After each use, or at least daily, drain any accumulated moisture from the air tank. This prevents internal corrosion. Locate the drain valve at the bottom of the tank, open it to release air and moisture, then close it securely.
- **Oil-Free Design:** This compressor features an oil-free motor, eliminating the need for oil changes or lubrication.
- **Air Filter Cleaning:** Periodically inspect and clean the air filter. A clogged filter can reduce efficiency and motor life. Refer to the air filter's specific instructions for cleaning or replacement.
- **General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris to ensure proper cooling.

7. TROUBLESHOOTING

If you encounter issues with your air compressor, refer to the following common troubleshooting steps:

- **Compressor Not Starting:**

- Check if the power cord is securely plugged into a working outlet.
- Ensure the power switch is in the "ON" position.
- Verify that the thermal overload protector has not tripped. If it has, allow the motor to cool and press the reset button.

- **Low Air Pressure/Slow Tank Fill:**

- Check for leaks in air hoses or connections.
- Ensure the air filter is clean and not obstructed.
- Verify that the pressure regulator is set to the desired output pressure.

- **Excessive Noise/Vibration:**

- Ensure the compressor is on a stable, level surface.
- Check if all components are securely fastened.

For further assistance, please contact Baotree customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Baotree
Model Name	8Gallon Air Compressor (Model 8G)
Capacity	8 Gallons
Motor Horsepower	1.5 HP
Air Flow Capacity	4.52 CFM
Maximum Operating Pressure	115 PSI (8 Bars)
Voltage	110 Volts (AC)
Noise Level	70 Decibels
Power Source	Corded Electric
Special Feature	Portable, Oil-Free
Material	Alloy Steel (Q235B structural steel)
Item Weight	37.5 Pounds
Package Dimensions	23 x 22.75 x 10.8 inches
Date First Available	February 14, 2025

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official Baotree website or contact their customer service department. Keep your purchase receipt for warranty claims.

For additional resources, you may visit the [Baotree Store on Amazon](#).