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Baotree 058-8

Baotree 8 Gallon Portable Air Compressor User Manual

Model: 058-8

1. Important Safety Information

Read and understand all instructions before operating this air compressor. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Electrical Safety:** Ensure the power supply matches the compressor's requirements (120V 60Hz). Do not operate in wet conditions.
- **Pressure Safety:** Do not exceed the maximum operating pressure of 150 PSI. The unit features built-in overpressure protection.
- **Personal Protective Equipment:** Always wear safety glasses or goggles when operating the compressor or using air tools.
- **Ventilation:** Operate the compressor in a well-ventilated area.
- **Maintenance:** Disconnect power before performing any maintenance or adjustments.
- **Children and Bystanders:** Keep children and bystanders away while operating the compressor.

2. Product Overview

The Baotree 8 Gallon Portable Air Compressor (Model 058-8) is a versatile and efficient tool designed for various applications, including tire inflation, auto repair, spray painting, and woodworking nailing. It features a powerful 2HP oil-free motor, a maximum pressure of 150 PSI, and a low noise level for comfortable operation.



Figure 2.1: Baotree 8 Gallon Portable Air Compressor, showing its compact design and key components.

Key Features:

- **Powerful 2HP Motor:** Delivers 2.8 SCFM at 90 PSI and 3.8 SCFM at 40 PSI for efficient performance.
- **Max 150 PSI:** Provides ample power for a wide range of pneumatic tools.
- **Oil-Free Design:** Requires less maintenance and ensures cleaner air output.

- **Low Noise Operation:** Operates at approximately 70dB, suitable for various environments.
- **8 Gallon Tank:** Offers balanced capacity for steady airflow while remaining portable.
- **Safety Features:** Includes automatic overheat protection and overpressure shutdown.



Figure 2.2: Detailed view of the compressor's components, including the oil-free pump, tank pressure gauge, outlet pressure gauge, large regulator knob, quick coupler, flip-up handle, and rubber feet.



Figure 2.3: Illustration demonstrating the low noise level of the compressor (70dB) compared to daily conversation (60dB) and a traditional hair dryer (85dB).



Figure 2.4: Diagram highlighting the oil-free motor, its ability to fill the tank in 60 seconds, 275°F automatic overheat protection, 2HP power, and 2.8 SCFM at 90 PSI airflow.

3. Setup

The Baotree 8 Gallon Air Compressor comes largely pre-assembled. Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure the rubber feet are securely positioned to minimize vibration.
3. **Handle Installation (if applicable):** If the flip-up handle is not already in position, raise it and secure it according to the diagram (refer to Figure 2.2).
4. **Connect Air Hose:** Attach your air hose to the quick coupler on the compressor. Ensure a secure connection to prevent air leaks.
5. **Power Connection:** Plug the power cord into a grounded 120V 60Hz electrical outlet.

4. Operating Instructions

Follow these steps to operate your Baotree air compressor:

1. **Power On:** Turn on the compressor using the power switch. The motor will start, and the tank will begin to fill with air.
2. **Monitor Pressure:** Observe the tank pressure gauge. The compressor will automatically shut off once the maximum pressure (150 PSI) is reached.
3. **Adjust Outlet Pressure:** Use the large regulator knob to adjust the outlet pressure to the desired PSI for your specific air tool. Monitor the outlet pressure gauge.
4. **Connect Tool:** Connect your pneumatic tool to the air hose.
5. **Begin Operation:** Use your air tool as needed. The compressor will cycle on automatically when the tank pressure drops below a certain threshold to maintain consistent pressure.
6. **Power Off:** When finished, turn off the compressor using the power switch and disconnect it from the power outlet.
7. **Drain Tank:** Always drain the air tank after each use to prevent moisture buildup and corrosion. Locate the drain valve at the bottom of the tank, place a container underneath, and open the valve until all air and moisture are expelled. Close the valve securely.



Figure 4.1: Examples of common applications for the air compressor, including tire inflation, auto repair, woodworking nailing, and spray painting.

5. Maintenance

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

- **Daily:** Drain the air tank to remove condensed moisture.
- **Weekly/After Each Use:**
    - Inspect air filter for dust and debris. Clean or replace if necessary.
    - Check all connections and hoses for leaks. Tighten if loose.
- **Monthly:**
    - Inspect the power cord for damage.
    - Clean the exterior of the compressor with a damp cloth.

Note: This is an oil-free compressor, so no oil checks or changes are required for the pump.

6. Troubleshooting

Problem	Possible Cause	Solution
Compressor does not start.	No power; tripped circuit breaker; faulty switch.	Check power connection; reset breaker; contact support.
Compressor runs continuously or cycles too frequently.	Air leak in hose/fittings; faulty pressure switch.	Check and tighten connections; apply soapy water to find leaks; contact support.
Low air pressure at outlet.	Regulator set too low; air leak; clogged filter.	Adjust regulator; check for leaks; clean/replace filter.
Compressor overheats and shuts off.	Insufficient ventilation; prolonged heavy use; motor overload.	Ensure proper ventilation; allow unit to cool; reduce duty cycle.

7. Specifications

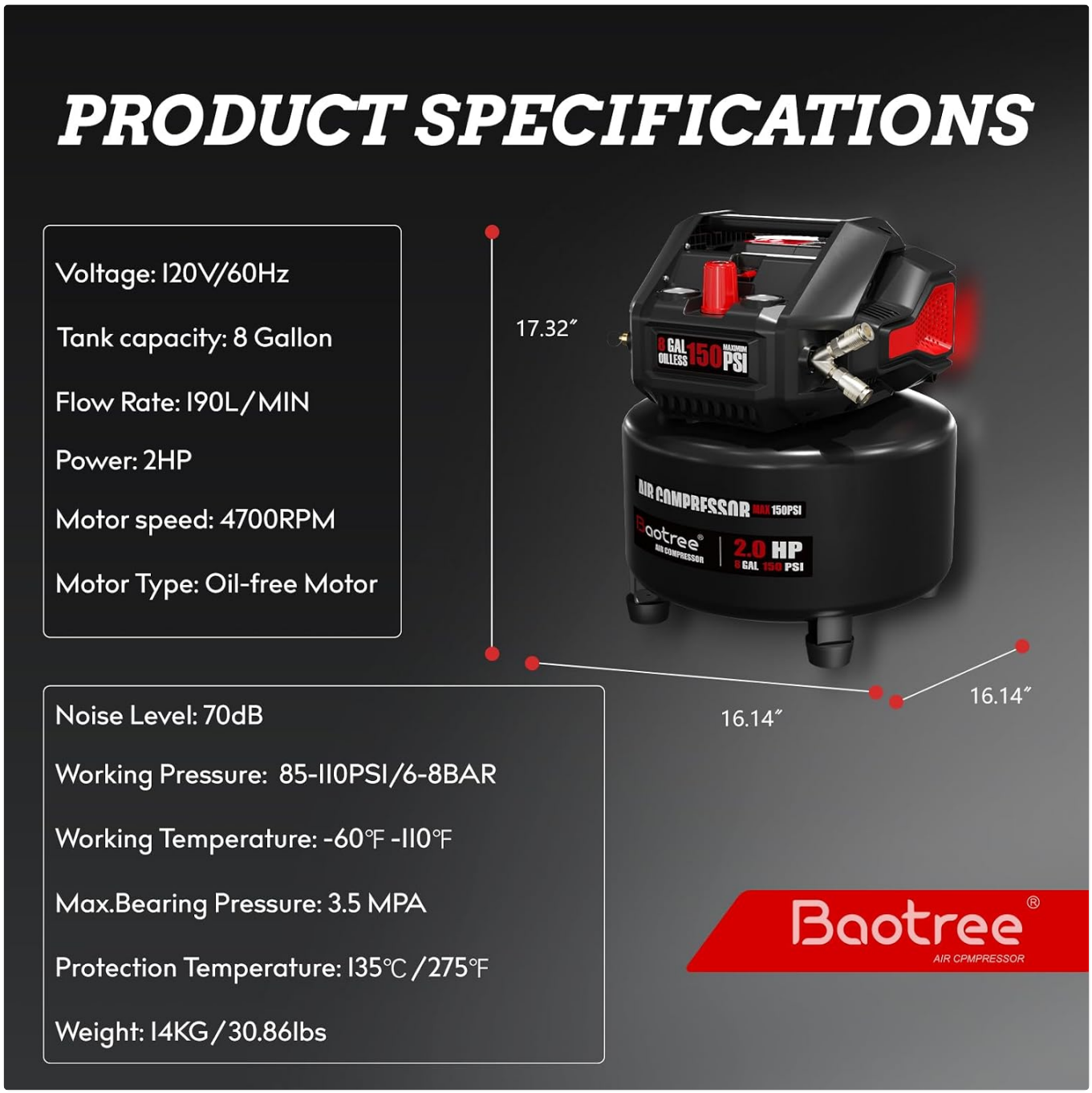


Figure 7.1: Visual representation of key product specifications and dimensions.

Feature	Detail
Model	058-8
Voltage	120V / 60Hz
Tank Capacity	8 Gallons
Power	2 HP
Air Flow Capacity (SCFM)	2.8 SCFM @ 90 PSI, 3.8 SCFM @ 40 PSI
Maximum Operating Pressure	150 PSI
Noise Level	70 dB
Motor Type	Oil-free Motor

Feature	Detail
Item Weight	30.9 Pounds (14 KG)
Package Dimensions	19.5 x 17.25 x 17.25 inches
Max. Bearing Pressure	3.5 MPa
Protection Temperature	135°C / 275°F



Figure 7.2: Illustration of the 3-layer tank construction (Q235B structural steel, plastic powder attachment layer, rust & wear resistant layer) designed for durability and safety, with a maximum bearing pressure of 3.5 MPa.

8. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Baotree website. Keep your purchase receipt for warranty claims.

Manufacturer: Baotree

Website: Baotree Official Store on Amazon

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