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INGCO AC20248

INGCO AC20248 2 HP 24 Liter Air Compressor User Manual

Model: AC20248 | Brand: INGCO

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your INGCO AC20248 2 HP 24 Liter Air Compressor. Please read these instructions carefully before using the product and retain them for future reference.

The INGCO AC20248 is a corded electric air compressor designed for various applications, including powering air tools, paint spraying, and tire inflation. It features a 2 horsepower motor and a 24-liter tank capacity.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the compressor:

- Electrical Safety:** Ensure the power supply matches the compressor's requirements. Use a grounded outlet and avoid using extension cords unless absolutely necessary and rated for the compressor's power.
- Pressure Safety:** Never exceed the maximum operating pressure of the compressor or the tools connected to it. Do not tamper with the pressure relief valve.
- Personal Protective Equipment (PPE):** Always wear safety glasses or goggles to protect against airborne debris. Hearing protection is recommended due to the 96 dB noise level.
- Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating and ensure proper air intake.
- Stability:** Place the compressor on a stable, level surface to prevent tipping during operation.
- Children and Bystanders:** Keep children and bystanders away from the operating area.
- Maintenance:** Disconnect the power supply and release all air pressure before performing any maintenance or adjustments.

3. PRODUCT OVERVIEW

The INGCO AC20248 air compressor consists of several key components designed for efficient air compression and delivery.



Figure 1: The INGCO AC20248 2 HP 24 Liter Air Compressor. This image displays the complete unit, including the motor, tank, pressure gauges, and air outlet.

Key Components:

- **Air Tank:** Stores compressed air. Capacity: 24 Liters.
- **Motor:** Powers the compressor pump. Horsepower: 2 HP.
- **Pump:** Compresses ambient air into the tank.
- **Pressure Gauges:** Display tank pressure and regulated outlet pressure.
- **Pressure Regulator:** Allows adjustment of the air pressure delivered to tools.

- **Safety Valve:** Releases excess pressure if the tank pressure exceeds a safe limit.
- **Drain Valve:** Located at the bottom of the tank for draining condensed moisture.
- **Air Outlet:** Connection point for air hoses and tools.

4. SETUP

Follow these steps to set up your air compressor for initial use:

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage. Report any damage to your supplier immediately.
2. **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.
3. **Wheels and Feet:** Attach any supplied wheels and rubber feet according to the diagrams in the separate assembly guide (if provided).
4. **Electrical Connection:** Connect the compressor to a suitable grounded electrical outlet. Verify that the voltage and frequency of your power supply match the specifications on the compressor's data plate.
5. **Initial Run-in:** Before first use, run the compressor with the tank drain valve open for approximately 30 minutes to allow the motor and pump to break in. This helps to ensure proper lubrication and extends the life of the unit.

5. OPERATING INSTRUCTIONS

Operating your INGCO AC20248 air compressor involves a few simple steps:

1. **Power On:** Ensure the power switch is in the 'OFF' position before plugging in the compressor. Once plugged in, switch it to 'ON'. The compressor will begin to fill the air tank.
2. **Pressure Adjustment:** Once the tank reaches its maximum pressure and the motor stops, connect your air tool to the air outlet. Use the pressure regulator knob to set the desired working pressure for your tool. The regulated pressure will be shown on the corresponding gauge.
3. **Using Air Tools:** Operate your air tool as per its own instructions. The compressor will automatically restart when the tank pressure drops below a preset level.
4. **Power Off:** When finished, switch the compressor to the 'OFF' position and unplug it from the power outlet.
5. **Drain Air:** Slowly open the drain valve at the bottom of the tank to release all compressed air. This is crucial for safety and to prevent moisture buildup.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor. Always disconnect power and release air pressure before maintenance.

- **Drain Tank Daily:** Open the drain valve at the bottom of the air tank daily after each use to remove condensed moisture. This prevents rust and corrosion inside the tank.
- **Check Oil Level:** Regularly check the oil level in the pump (if applicable for your model). Add or change oil as recommended in the separate oil maintenance guide.
- **Clean Air Filter:** Inspect and clean or replace the air filter periodically. A clogged filter reduces efficiency and can damage the pump.
- **Inspect Hoses and Fittings:** Check all air hoses and fittings for leaks, cracks, or damage. Replace any faulty components immediately.
- **General Cleaning:** Keep the compressor clean and free of dust and debris, especially around the motor and cooling fins, to ensure proper heat dissipation.

7. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions:

Problem	Possible Cause	Solution
Compressor does not start	No power, tripped circuit breaker, faulty switch	Check power connection, reset breaker, contact service
Low air pressure / Compressor runs continuously	Air leak, clogged air filter, worn pump components	Check for leaks, clean/replace filter, contact service
Excessive noise or vibration	Loose components, worn bearings, insufficient oil	Tighten fasteners, check oil level, contact service
Moisture in air output	Tank not drained regularly	Drain tank daily after use

If you encounter issues not listed here or if solutions do not resolve the problem, please contact INGCO customer support or a qualified service technician.

8. SPECIFICATIONS

Technical specifications for the INGCO AC20248 Air Compressor:

- **Model Number:** AC20248
- **Brand:** INGCO
- **Power Source:** Corded Electric
- **Motor Horsepower:** 2 HP (Horsepower)
- **Tank Capacity:** 24 Liters
- **Materials:** Cast Iron, Alloy Steel
- **Color:** Orange
- **Noise Level:** 96 dB
- **Product Dimensions:** 10 x 20 x 37 cm
- **Product Weight:** 209 grams (Note: This weight may refer to packaging or a specific component, not the full unit.)
- **Recommended Uses:** Air tools, paint spraying, tire inflation
- **Included Components:** No additional components included
- **First Available Date:** June 13, 2021

9. WARRANTY AND SUPPORT

Your INGCO AC20248 Air Compressor is designed for durability and performance. For warranty information and customer support, please refer to the details below:

Warranty Information:

Extended warranty options may be available through third-party providers such as Boxy. These include:

- Extended warranty for one year (email delivery)
- Extended warranty for two years (email delivery)
- Accidental damage protection for one year (email delivery)

Please check with your retailer or the warranty provider for specific terms and conditions.

Customer Support:

For technical assistance, spare parts, or any questions regarding your INGCO product, please contact INGCO customer service through their official website or the contact information provided with your purchase. Always have your model number (AC20248) and purchase date ready when contacting support.

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