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Newton 50L Silent Horizontal

Newton 50L Silent Horizontal Air Compressor

INSTRUCTION MANUAL

Model: 50L Silent Horizontal | Brand: Newton

1. INTRODUCTION

Thank you for choosing the Newton 50L Silent Horizontal Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor. Please read this manual thoroughly before operating the unit and keep it for future reference. Proper use and maintenance will ensure long-lasting performance and safety.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

General Safety Warnings:

- **Electrical Safety:** Ensure the power supply matches the compressor's requirements (230 Volts). Do not operate the compressor with a damaged cord or plug. Always connect to a grounded outlet.
- **Personal Safety:** Wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves. Do not wear loose clothing or jewelry that could get caught in moving parts.
- **Work Area:** Keep the work area clean, well-lit, and free from clutter. Do not operate the compressor in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Pressure Safety:** Never exceed the maximum operating pressure of the compressor or any attached air tools. Always depressurize the tank before performing maintenance or disconnecting hoses.
- **Children and Bystanders:** Keep children and bystanders away from the operating compressor.
- **Hot Surfaces:** The compressor motor and pump can become hot during operation. Avoid contact with hot surfaces to prevent burns.

3. PACKAGE CONTENTS

Carefully unpack your Newton 50L Silent Horizontal Air Compressor and check for the following items:

- Newton 50L Silent Horizontal Air Compressor unit
- Wheels (2x)
- Rubber feet (2x)
- Handle
- User Manual
- Mounting hardware for wheels and feet

4. SETUP

Follow these steps to prepare your air compressor for first use:

4.1 Attaching the Wheels and Feet

1. Carefully tilt the compressor to access the underside of the tank. It is recommended to have assistance for this step due to the unit's weight (29 kg).
2. Attach the two wheels to the designated axle points on one side of the compressor using the provided hardware. Ensure they are securely fastened.
3. Attach the two rubber feet to the designated mounting points on the opposite side of the compressor. These feet provide stability and reduce vibration.
4. Return the compressor to its upright, horizontal position.

4.2 Attaching the Handle

1. Locate the handle and the corresponding mounting points on the compressor.
2. Securely attach the handle using the provided screws or bolts.

4.3 Initial Power Connection

1. Ensure the compressor's power switch is in the "OFF" position.
2. Plug the power cord into a grounded 230 Volt electrical outlet.



Figure 1: Newton 50L Silent Horizontal Air Compressor after assembly, showing the tank, motor, gauges, and handle.

5. OPERATING INSTRUCTIONS

5.1 Starting the Compressor

1. Ensure all connections are secure and the air hose is properly attached to the quick-connect coupler.
2. Flip the power switch to the "ON" position. The compressor will begin to fill the air tank.
3. Allow the compressor to reach its maximum pressure (indicated on the tank pressure gauge) and shut off automatically. This indicates it's ready for use.

5.2 Adjusting Output Pressure

1. The compressor features a pressure regulator with an adjustment knob.
2. Turn the adjustment knob clockwise to increase the output pressure and counter-clockwise to decrease it.
3. Monitor the regulated pressure gauge to set the desired pressure for your air tool.



Figure 2: Detail of the pressure gauges and red regulator knob for adjusting output air pressure.

5.3 Connecting Air Tools

1. Ensure the air tool is compatible with the compressor's output pressure and flow rate.
2. Connect the air hose from the compressor's quick-connect coupler to your air tool.
3. Always check for secure connections before operating any air tool.

5.4 Recommended Use: Painting

This compressor is suitable for various applications, including painting. When using for painting:

- Ensure proper ventilation in your work area.
- Use a suitable spray gun and adjust the pressure according to the paint manufacturer's recommendations.
- Wear a respirator mask and protective clothing.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your compressor.

6.1 Draining the Air Tank

- Drain the air tank daily or after each use to prevent moisture buildup and corrosion.
- Turn off the compressor and unplug it from the power source.
- Open the drain valve located at the bottom of the air tank. Allow all moisture and air to escape.
- Close the drain valve once the tank is completely empty.

6.2 Cleaning

- Keep the compressor clean and free from dust and debris.
- Wipe down the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the cooling fins on the motor are clear of obstructions for optimal heat dissipation.

6.3 Checking Connections

- Periodically check all air hose connections and fittings for leaks. Tighten any loose connections.
- Inspect the power cord for any signs of damage. Replace immediately if damaged.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor does not start	No power; tripped circuit breaker; faulty switch.	Check power connection; reset circuit breaker; contact service if switch is faulty.
Low air pressure output	Air leaks; regulator set too low; clogged air filter.	Check all connections for leaks; adjust pressure regulator; clean or replace air filter.
Compressor runs continuously	Air leaks; pressure switch malfunction.	Check for air leaks; contact service for pressure switch inspection.
Excessive noise or vibration	Loose components; uneven surface; worn parts.	Tighten all fasteners; place on a stable, level surface; contact service for inspection of internal components.

8. SPECIFICATIONS

Brand: Newton

Model: 50L Silent Horizontal

Capacity: 50 Liters

Voltage: 230 Volts

Noise Level: 75 Decibel

Special Features: Silent operation

Item Weight: 29 Kilograms

Power Source: Corded Electric

Recommended Product Uses: Painting

ASIN: B07X45DHPD

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please refer to the contact details provided with your purchase documentation or visit the official Newton website. Keep your proof of purchase for warranty claims.

Return Policy: Returnable, if requested within 14 days of delivery.

Specialized Customer Support: For any assistance, please contact specialized customer support.