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> Ecarke Portable Air Compressor SKU12096 for Makita 18V Batteries Instruction Manual

Ecarke SKU12096

Ecarke Portable Air Compressor SKU12096 for Makita 18V Batteries Instruction Manual

Model: SKU12096 | Brand: Ecarke

1. INTRODUCTION

Thank you for choosing the Ecarke Portable Air Compressor. This cordless inflator is designed for convenient and efficient inflation of various items, including vehicle tires, bicycle tires, sports balls, and small inflatables. It is compatible with Makita 18V LXT lithium-ion batteries (battery not included). Please read this manual thoroughly before use to ensure safe and optimal operation.

2. SAFETY INFORMATION

WARNING: Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- Ensure the battery is fully charged before use.
- Do not operate the compressor in wet conditions or near flammable liquids or gases.
- Keep children and bystanders away while operating the compressor.
- Do not over-inflate items. Always check the recommended pressure for the item being inflated.
- The compressor may become hot during prolonged use. Allow it to cool down before storing.
- Do not modify the compressor or use it for purposes other than intended.
- Always disconnect the battery when not in use or before performing maintenance.
- This device is not suitable for heavy truck tires.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x Ecarke Portable Air Compressor (SKU12096)
- 1 x Extension Hose
- 1 x Inflation Needle (for sports balls)

- 1 x Tapered Adapter (for inflatables)
- 1 x Bicycle Valve Adapter
- 1 x High-Pressure Nozzle

Note: Makita 18V LXT battery is not included.



Figure 3.1: Included accessories for multi-purpose inflation.

4. PRODUCT FEATURES

- **Makita 18V LXT Battery Compatibility:** Designed to work seamlessly with Makita 18V lithium-ion batteries (e.g., BL1815, BL1830, BL1850, BL1860). Features built-in low-voltage protection.
- **Clear LCD Display:** Large screen shows target pressure, current pressure, and battery level.
- **High Pressure & Flow Rate:** Maximum pressure of 11 bars (160 PSI) with a 25mm metal cylinder and brushless motor, delivering 40 liters per minute airflow.
- **Fast Inflation:** Inflates a 195/65R15 tire in approximately 3-3.5 minutes.
- **Automatic Shut-off:** Stops automatically once the preset target pressure is reached, ensuring precise inflation (accuracy +/- 0.5 PSI).
- **Multiple Pressure Units:** Switch between BAR, KPA, KG/CM², and PSI.
- **Preset Modes:** Four predefined modes for Car, Motorcycle, Bicycle, and Basketball.
- **Integrated LED Lighting:** Features two modes: continuous light for illumination and SOS flashing for emergencies.
- **Overheat Protection:** Automatically shuts off after prolonged use to prevent damage.



Figure 4.1: Digital LCD display and control panel.



Figure 4.2: Integrated LED lighting with multiple modes.

5. SETUP

- 1. Insert Battery:** Slide a charged Makita 18V LXT battery into the battery slot on the compressor until it clicks into place. Ensure it is securely fastened.

2. **Attach Hose:** Screw the inflation hose securely onto the compressor's air outlet.
3. **Select Nozzle:** Choose the appropriate nozzle for the item you wish to inflate and attach it to the end of the inflation hose.



Figure 5.1: Battery installation for Makita 18V LXT batteries.

6. OPERATING INSTRUCTIONS

1. **Power On:** Press the On/Off button to turn on the compressor. The LCD display will illuminate.
2. **Connect to Item:** Connect the appropriate nozzle to the valve of the item to be inflated. The current pressure will be displayed on the LCD.
3. **Select Mode/Set Pressure:**
 - Press the "M" button to cycle through the preset modes (Car, Motorcycle, Bicycle, Basketball) or to enter manual mode.
 - Use the "+" and "-" buttons to adjust the target pressure.
 - Press the unit button to switch between PSI, BAR, KPA, and KG/CM².
4. **Start Inflation:** Press the inflation button (often indicated by a play/start symbol) to begin inflation. The compressor will automatically stop when the target pressure is reached.
5. **Monitor Progress:** The LCD display will show the real-time pressure during inflation.
6. **Stop Inflation (Manual):** To stop inflation manually, press the inflation button again or the On/Off button.
7. **Disconnect:** Once inflation is complete, disconnect the nozzle from the item and turn off the compressor.

MULTI-PURPOSE



Figure 6.1: Automatic shut-off feature in action.



Figure 6.2: Detailed view of the control panel for setting pressure and modes.

7. MAINTENANCE

- **Cleaning:** Wipe the compressor with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the compressor in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the battery is removed before storage.
- **Hose and Nozzles:** Inspect the inflation hose and nozzles regularly for any signs of wear or damage. Replace if necessary.
- **Battery Care:** Follow the manufacturer's instructions for your Makita 18V LXT battery regarding charging and storage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Compressor does not turn on.	Battery not inserted correctly or discharged.	Ensure battery is fully charged and properly inserted.
Compressor turns off during inflation.	Target pressure reached, or overheat protection activated.	This is normal if target pressure is met. If due to overheat, allow unit to cool down for 15-20 minutes.
Slow inflation or no inflation.	Hose or nozzle not securely attached, or leak in connection.	Check all connections for tightness. Ensure the correct nozzle is used.
Inaccurate pressure reading.	Sensor issue or extreme temperature.	Ensure the compressor is used within recommended temperature ranges. If problem persists, contact support.

9. SPECIFICATIONS

Model Number	SKU12096
Brand	Ecarke
Voltage	18 Volts (DC)
Max Pressure	11 Bars (160 PSI)
Air Flow Capacity	40 Liters per minute
Noise Level	60 Decibels
Power Source	Battery Powered (Makita 18V LXT compatible)
Special Features	LED Light, Digital Display, Auto Shut-off, Overheat Protection
Product Weight	1.03 Kilograms
Dimensions	24.5 x 17.5 x 9.3 cm (Package)

10. WARRANTY AND SUPPORT

The Ecarke Portable Air Compressor (SKU12096) comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, abuse, unauthorized modification, or normal wear and tear.

For warranty claims, technical support, or any questions regarding your product, please contact Ecarke customer service through the retailer where you purchased the product or visit the official Ecarke brand store on Amazon: [Ecarke Store](#).

