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## Metabo 601535000

# Metabo Basic 250-50 W OF Air Compressor User Manual

**Model:** 601535000

**Brand:** Metabo

## 1. IMPORTANT SAFETY INSTRUCTIONS

Always read and understand this manual before operating the Metabo Basic 250-50 W OF air compressor. Failure to follow safety instructions can result in serious injury or property damage. Keep this manual for future reference.

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves, when operating the compressor or air tools.
- Ensure the work area is well-ventilated to prevent the accumulation of fumes.
- Never exceed the maximum operating pressure of the compressor or the air tools being used.
- Disconnect the compressor from the power supply before performing any maintenance, adjustments, or when the unit is not in use.
- Keep children and unauthorized personnel away from the operating compressor.
- Do not operate the compressor in wet conditions or expose it to rain.
- Regularly inspect hoses, fittings, and the air tank for damage or leaks. Replace damaged components immediately.
- Ensure the compressor is placed on a stable, level surface during operation.

## 2. PRODUCT OVERVIEW

The Metabo Basic 250-50 W OF is a powerful and robust oil-free piston compressor designed for various applications. Its oil-free design simplifies transport and reduces maintenance requirements. This compressor operates on single-phase alternating current and features adjustable working pressure via a pressure reducer with a manometer.



Image: The Metabo Basic 250-50 W OF Air Compressor, showcasing its green tank, black motor housing, wheels, and control panel with gauges.

Key features include a cold start button with a relief valve for easy startup, overload protection to safeguard the motor from overheating, and robust rubber wheels for enhanced mobility. The unit also includes an additional manometer to display the tank pressure and a rubber-coated handle for comfortable handling. The air tank is backed by a 10-year warranty against rust.

### Included Components:

- Metabo Basic 250-50 W OF Compressor (Model 601535000)
- Universal quick coupling
- Rubber-coated handle

## 3. SETUP AND ASSEMBLY

Before initial operation, ensure all components are securely attached and the compressor is placed in a suitable location.

1. **Unpacking:** Carefully remove the compressor and all accessories from the packaging. Inspect for any shipping damage.
2. **Attach Wheels:** Securely attach the rubber wheels to the designated axles on the compressor tank. Ensure they are firmly in place for stability and mobility.
3. **Attach Handle:** Mount the rubber-coated handle to the compressor frame. This handle aids in moving the unit.
4. **Electrical Connection:** Connect the compressor to a single-phase alternating current power supply (240 Volts). Ensure the electrical circuit can handle the compressor's power requirements (1500 Watt maximum power).

5. **Initial Checks:** Before powering on, ensure all connections are tight and the drain valve at the bottom of the tank is closed.



Image: Dimensions of the Metabo Basic 250-50 W OF Air Compressor, showing a length of 78 cm, width of 40 cm, and height of 62.5 cm.

## 4. OPERATING INSTRUCTIONS

Follow these steps for safe and efficient operation of your Metabo air compressor.

1. **Power On:** Plug the compressor into a suitable electrical outlet. The compressor will begin to build pressure.
2. **Cold Start:** If starting in cold conditions, utilize the cold start button with the relief valve to facilitate easier motor startup.
3. **Monitor Tank Pressure:** Observe the additional manometer to monitor the pressure inside the air tank. The compressor will automatically shut off once the maximum pressure is reached.
4. **Adjust Working Pressure:** Use the pressure reducer knob to set the desired working pressure for your air tools. The output pressure will be displayed on the dedicated manometer.
5. **Connect Air Tools:** Attach your air tool to the universal quick coupling. Ensure a secure connection before operating the tool.
6. **Power Off:** When finished, disconnect the air tool, turn off the compressor (if applicable, via a power switch), and unplug it from the power source.

7. **Depressurize:** Always depressurize the tank after use by opening the drain valve or using an air tool until the pressure gauge reads zero.



Image: A user operating the Metabo Basic 250-50 W OF compressor with an impact wrench for tire maintenance, demonstrating a typical application.

## 5. MAINTENANCE

The Metabo Basic 250-50 W OF is an oil-free compressor, which significantly reduces maintenance requirements. However, regular checks are still essential for optimal performance and longevity.

- **Drain Condensation:** Regularly drain condensation from the air tank. This should be done after each use or at least daily, especially in humid environments. Open the drain valve at the bottom of the tank until all moisture is expelled. Failure to do so can lead to rust and tank damage.
- **Check Air Filter:** Periodically inspect the foam air filter. Clean it if it appears dirty or replace it if damaged. A clogged filter can reduce compressor efficiency.
- **Inspect Hoses and Connections:** Before each use, check all air hoses and connections for wear, cracks, or leaks. Replace any damaged components to maintain air pressure and safety.

- **Clean Exterior:** Keep the exterior of the compressor clean. Wipe down the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the compressor in a dry, clean environment when not in use.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor does not start	No power supply; Overload protection tripped; Faulty power switch	Check power connection and circuit breaker; Allow motor to cool and reset overload protection; Contact service if switch is faulty
Compressor runs but does not build pressure	Air leak in tank or hoses; Check valve malfunction; Drain valve open	Inspect all connections and hoses for leaks; Contact service for check valve; Ensure drain valve is fully closed
Pressure drops quickly after compressor stops	Air leak in tank, hoses, or fittings; Check valve not sealing properly	Locate and repair leaks; Contact service for check valve inspection/replacement
Compressor overheats and shuts off	Motor overload; Insufficient ventilation; Prolonged continuous operation	Allow compressor to cool down; Ensure adequate ventilation around the unit; Reduce duty cycle or workload
Reduced air delivery	Clogged air filter; Air leaks; Worn piston rings	Clean or replace air filter; Repair air leaks; Contact service for internal component inspection

## 7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Metabo Basic 250-50 W OF Air Compressor.

<b>Model Number</b>	601535000
<b>Dimensions (L x W x H)</b>	78 x 40 x 62.5 cm
<b>Weight</b>	29 Kilograms
<b>Voltage</b>	240 Volts
<b>Power Source</b>	Electric
<b>Maximum Power</b>	1500 Watt
<b>Motor Power</b>	2 Horsepower
<b>Tank Capacity</b>	50 Liters
<b>Suction Capacity</b>	220 l/min

<b>Filling Capacity</b>	120 l/min
<b>Effective Delivery Rate (at 80% max pressure)</b>	100 l/min
<b>Noise Level</b>	97 Decibels
<b>Material</b>	Metal
<b>Special Features</b>	Cold start button with relief valve, Overload protection

## 8. WARRANTY AND SUPPORT

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Metabo provides a 10-year warranty against rust for the air tank of this compressor. This warranty covers defects in materials and workmanship related to the tank's integrity against rust under normal operating conditions.

For warranty claims, technical assistance, or spare parts, please contact Metabo customer support or an authorized Metabo service center. Keep your purchase receipt as proof of purchase for warranty validation.

For further information, please refer to the official Metabo website or contact their customer service department directly.

