Michelin MCX24

Michelin Air Compressor MCX24 User Manual

Model: MCX24 | Brand: Michelin

Introduction

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Michelin Air Compressor, model MCX24. Please read this manual thoroughly before operating the compressor to ensure proper use and to prevent injury or damage. Keep this manual for future reference.
The Michelin MCX24 is a 24-liter air compressor designed for various applications requiring compressed air, such as inflating tires, operating pneumatic tools, and general workshop use.

Safety Instructions

Always observe the following safety precautions to reduce the risk of injury or damage.

- **Read the Manual:** Familiarize yourself with all instructions and warnings before operation.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles when operating the compressor. Hearing protection is recommended for prolonged use.
- **Ventilation:** Operate the compressor in a well-ventilated area. Do not operate near flammable liquids or gases.
- **Electrical Safety:** Ensure the power supply matches the compressor's requirements. Do not use damaged power cords. Keep the cord away from heat, oil, and sharp edges.
- **Pressure Release:** Always release air pressure from the tank before performing maintenance or moving the compressor.
- **Stable Surface:** Place the compressor on a stable, level surface to prevent tipping.
- **Children and Bystanders:** Keep children and bystanders away from the operating compressor.
- **Maintenance:** Perform regular maintenance as described in this manual. Disconnect power before any service.
- **Hot Surfaces:** The compressor head and motor can become hot during operation. Avoid contact.

Components Overview

Understand the main parts of your Michelin MCX24 Air Compressor.



Figure 1: Overall view of the Michelin MCX24 Air Compressor, showing its blue tank, grey motor housing, wheels, and handle.



Figure 2: Angled view of the compressor, highlighting the motor unit and the pressure gauges.



Figure 3: Side view of the compressor, showing the air tank, wheels, and the support feet for stability.



Figure 4: Close-up of the compressor's motor and pump assembly, located under the grey protective cover.



Figure 5: Detailed view of the pressure gauges and the air pressure regulator, essential for controlling output pressure.

Key Components:

- **Air Tank:** Stores compressed air (24 Liters capacity).
- **Motor/Pump Assembly:** Compresses air into the tank.
- **Pressure Switch:** Automatically turns the motor on/off to maintain tank pressure.
- **Pressure Gauges:** One shows tank pressure, the other shows regulated output pressure.
- **Pressure Regulator:** Adjusts the air pressure delivered to the air tool.
- **Quick Coupler:** For connecting air hoses and tools.
- **Safety Valve:** Releases excess pressure if the pressure switch fails.
- **Drain Valve:** Located at the bottom of the tank, used to drain condensation.
- **Wheels and Handle:** For easy portability.

Setup

Follow these steps for the initial setup of your air compressor.

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
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. **Check Drain Valve:** Ensure the drain valve at the bottom of the tank is closed before operation.
4. **Electrical Connection:** Verify that the power supply voltage and frequency match the specifications on the compressor's data plate. Plug the power cord into a grounded electrical outlet.
5. **Initial Run-in (if applicable):** For the first use, run the compressor with the tank drain valve open for about 15-20 minutes to allow the motor and pump to break in. This helps to lubricate internal components. Close the drain valve after this period.

Operating Instructions

How to safely operate your Michelin MCX24 Air Compressor.

1. **Connect Air Hose:** Attach your air hose to the quick coupler.
2. **Turn On:** Flip the power switch to the "ON" position. The compressor will start to fill the air tank.
3. **Monitor Pressure:** Observe the tank pressure gauge. The compressor will automatically shut off when the maximum tank pressure is reached.
4. **Adjust Output Pressure:** Use the pressure regulator knob to set the desired output pressure for your air tool. The regulated pressure gauge will show the adjusted pressure.
5. **Connect Tool:** Attach your pneumatic tool to the air hose.
6. **Begin Work:** Operate your air tool as needed. The compressor will cycle on and off automatically to maintain pressure in the tank as air is consumed.
7. **Shut Down:** When finished, turn the power switch to the "OFF" position.
8. **Release Air:** Disconnect the air tool. Slowly open the drain valve at the bottom of the tank to release all remaining air pressure. This also helps to drain condensation.
9. **Store:** Store the compressor in a dry, clean area.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your compressor. Always disconnect the power before performing any maintenance.

- **Daily/After Each Use:**
  - **Drain Condensation:** Open the drain valve at the bottom of the tank to release accumulated moisture. This is crucial to prevent rust inside the tank.
  - **Inspect Air Filter:** Check the air filter for dirt or debris. Clean or replace if necessary.
- **Weekly/Every 10 Hours of Use:**
  - **Check for Leaks:** Listen for air leaks around fittings and connections. Tighten if needed.
  - **Clean Exterior:** Wipe down the compressor's exterior to remove dust and grime.
- **Monthly/Every 50 Hours of Use:**
  - **Inspect Safety Valve:** Briefly pull the ring on the safety valve to ensure it operates freely and reseats properly.
  - **Check Fasteners:** Ensure all nuts, bolts, and screws are tight.

Troubleshooting

Common issues and their potential solutions. Always disconnect power before inspecting the compressor.

Problem	Possible Cause	Solution
Compressor does not start.	No power; tripped circuit breaker; faulty switch.	Check power cord and outlet; reset breaker; contact service.
Compressor runs continuously or cycles too frequently.	Air leak; faulty pressure switch; worn pump components.	Check for leaks and tighten connections; contact service for switch or pump.
Low air pressure at outlet.	Regulator set too low; air leak; clogged air filter.	Adjust regulator; check for leaks; clean/replace air filter.
Excessive noise or vibration.	Loose components; worn bearings; inadequate lubrication (if applicable).	Tighten fasteners; contact service.
Moisture in air line.	Tank not drained regularly; high humidity.	Drain tank daily; consider an in-line air dryer.

Specifications

Technical specifications for the Michelin MCX24 Air Compressor.

Brand	Michelin
Model Number	MCX24
Type	Air Compressor
Tank Capacity	24 Liters
Color	Blue
Item Weight	15 kg
Product Dimensions	12.5 x 8.5 x 18.5 cm
Power Source Type	Air (Electric Motor Driven)
Included Components	Air receiver tank

Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Michelin website.

Online Resources: Visit the Michelin Store on Amazon.ae for additional product information and accessories.

When contacting support, please have your model number (MCX24) and purchase date ready.

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