

**Einhell 4020590**

# Einhell TC-AC 200/24/8 OF Compressor User Manual

Model: 4020590 | Brand: Einhell

## 1. INTRODUCTION

Thank you for choosing the Einhell TC-AC 200/24/8 OF Compressor. This oil-free compressor is a versatile and low-maintenance device designed for various compressed air applications, offering an intake capacity of 180 L/min and a maximum operating pressure of 8 bar. Its 24-liter tank provides ample air reserves for tasks such as tire inflation, painting, and general cleaning. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your compressor.



Figure 1: Einhell TC-AC 200/24/8 OF Compressor. This image shows the compact red and black air compressor with its 24-liter tank, motor housing, pressure gauges, and wheels for portability.

## 2. SAFETY INSTRUCTIONS

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

- **Read the Manual:** Before operating the compressor, thoroughly read and understand all instructions in this manual.
- **Personal Protective Equipment:** Always wear appropriate eye protection (safety glasses) and hearing protection when operating the compressor.
- **Ventilation:** Operate the compressor in a well-ventilated area. Do not use in explosive atmospheres or near flammable liquids or gases.
- **Electrical Safety:** Ensure the power supply matches the compressor's specifications (230 Volts). Do not use damaged power cords.
- **Pressure Release:** Always release all air pressure from the tank before performing any maintenance or moving the compressor.

- **Stable Surface:** Place the compressor on a stable, level surface to prevent tipping. The vibration-dampened base provides stability.
- **Children and Bystanders:** Keep children and unauthorized persons away from the operating area.

### 3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Einhell compressor:

- **Air Tank:** 24-liter capacity for compressed air storage.
- **Motor:** Oil-free, service-free motor for low maintenance operation.
- **Pressure Gauge:** Displays the current tank pressure.
- **Pressure Regulator:** Allows adjustment of the working pressure for various applications.
- **Quick Coupling:** For easy connection of air tools and hoses.
- **Wheels and Handle:** For convenient transport.
- **Drain Screw:** Located at the bottom of the tank for draining condensation.
- **Check and Safety Valve:** Ensures safe operation by preventing overpressure.

### 4. SETUP

Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the compressor from its packaging. Check for any signs of damage during transit.
2. **Component Check:** Ensure all included components are present (compressor unit, wheels, handle, etc.).
3. **Assembly:** Attach the wheels and handle if they are not pre-assembled, following the diagrams in the separate assembly guide (if provided).
4. **Positioning:** Place the compressor on a firm, level surface in a well-ventilated area. Ensure there is adequate space around the unit for air circulation.
5. **Electrical Connection:** Connect the power cord to a grounded 230V electrical outlet. Ensure the outlet is capable of handling the compressor's 1200W power consumption.

### 5. OPERATING INSTRUCTIONS

Operating your Einhell compressor is straightforward:

1. **Power On:** Turn on the compressor using the power switch. The motor will start and begin to fill the air tank.

2. **Pressure Build-up:** Allow the compressor to build up pressure until it reaches its maximum operating pressure (8 bar) and the motor automatically shuts off.
3. **Adjust Working Pressure:** Use the pressure regulator knob to set the desired working pressure for your air tool. Monitor the regulated pressure on the dedicated gauge.
4. **Connect Air Tool:** Attach your air hose to the quick coupling. Then connect your desired air tool (e.g., tire inflator, spray gun, nail gun) to the hose.
5. **Operation:** Begin using your air tool. The compressor motor will automatically restart when the tank pressure drops below a certain level to maintain the set working pressure.
6. **Power Off:** When finished, turn off the compressor. Disconnect the air tool and release any remaining pressure from the tank by opening the drain valve or using an air tool until the pressure gauge reads zero.



Figure 2: Example of compressor application. This image shows a person using a pneumatic nail gun to attach fabric to a wooden frame, demonstrating a common use for an air compressor in upholstery or woodworking.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your compressor:

- **Drain Condensation:** The 24L tank will accumulate condensation. Regularly drain the condensation from the tank using the drain screw at the bottom. This prevents rust and maintains tank capacity.
- **Clean Air Filter:** Periodically check and clean the air filter to ensure proper air intake and prevent motor strain.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Use a damp cloth for

external surfaces.

- **Check Connections:** Regularly inspect all hoses, fittings, and electrical connections for wear, leaks, or damage.
- **Oil-Free Motor:** The compressor features an oil-free motor, eliminating the need for oil changes or lubrication.

## 7. TROUBLESHOOTING

Here are solutions for common issues you might encounter:

| Problem                                   | Possible Cause                                                                 | Solution                                                                                 |
|-------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Compressor does not start                 | No power supply; Faulty power switch; Thermal overload activated               | Check power connection and outlet; Inspect power switch; Allow compressor to cool down.  |
| Low air pressure / Slow pressure build-up | Air leaks in hose/fittings; Clogged air filter; Pressure regulator set too low | Check and tighten connections; Clean or replace air filter; Adjust pressure regulator.   |
| Excessive noise or vibration              | Loose components; Unstable surface                                             | Check and tighten all screws and bolts; Ensure compressor is on a stable, level surface. |
| Water in air output                       | Condensation in tank                                                           | Regularly drain condensation from the tank.                                              |

## 8. SPECIFICATIONS

Key technical specifications for the Einhell TC-AC 200/24/8 OF Compressor:

| Specification               | Value                      |
|-----------------------------|----------------------------|
| Model Name                  | 4020590                    |
| Voltage                     | 230 Volts                  |
| Maximum Power               | 1200 Watts                 |
| Tank Volume                 | 24 Liters                  |
| Maximum Operating Pressure  | 8 bar                      |
| Air Flow Capacity (Suction) | 180 LPM                    |
| Noise Level                 | 96.4 dB                    |
| Item Weight                 | 16 Kilograms (35.2 pounds) |

| Specification                  | Value                        |
|--------------------------------|------------------------------|
| Product Dimensions (L x W x H) | 22.05" x 7.87" x 19.69"      |
| Material                       | Aluminum                     |
| Special Feature                | Oil-free, Service-free motor |

## 9. WARRANTY AND SUPPORT

Einhell stands behind the quality of its products. This compressor comes with a **10-year guarantee against rusting of the boiler**, demonstrating our commitment to durability.

For technical support, spare parts, or warranty claims, please contact Einhell customer service through the official Einhell website or your local distributor. Please have your model number (4020590) and purchase information ready when contacting support.

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### Related Documents - 4020590

|                                                                                     |                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">Einhell TC-AC 400/50/8 Compressor Operating Instructions</a></p> <p>Comprehensive operating instructions for the Einhell TC-AC 400/50/8 compressor, covering safety, usage, maintenance, and troubleshooting.</p>                                                                     |
|  | <p><a href="#">Einhell TC-TC 800 Fliesenschneidmaschine Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für die Einhell TC-TC 800 Fliesenschneidmaschine. Enthält Sicherheitshinweise, technische Daten, Montage-, Betriebs- und Wartungsanleitungen sowie Garantiefinformationen.</p> |
|  | <p><a href="#">Einhell TC-AC 200/24/8 OF Kompressor - Bedienungsanleitung</a></p> <p>Offizielle Bedienungsanleitung für den Einhell TC-AC 200/24/8 OF Kompressor. Erfahren Sie mehr über Sicherheit, Montage, technische Daten und Wartung dieses leistungsstarken Druckluftkompressors.</p>         |

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|  | <p><a href="#">Einhell TC-AC 190/6/8 OF Kompressor Bedienungsanleitung</a></p> <p>Die offizielle Bedienungsanleitung für den Einhell TC-AC 190/6/8 OF Kompressor. Enthält wichtige Sicherheitshinweise, technische Daten und Anleitungen zur Montage, Wartung und Fehlerbehebung.</p>       |
|  | <p><a href="#">Einhell TC-MG 250 CE Multifunktionswerkzeug - Originalbetriebsanleitung</a></p> <p>Umfassende Originalbetriebsanleitung für das Einhell TC-MG 250 CE Multifunktionswerkzeug. Enthält Sicherheitshinweise, technische Daten, Bedienungsanleitung, Wartung und Entsorgung.</p> |
|  | <p><a href="#">Einhell TH-AC 200/24 OF Kompressor Bedienungsanleitung</a></p> <p>Die offizielle Bedienungsanleitung für den Einhell TH-AC 200/24 OF Kompressor. Enthält Sicherheitshinweise, technische Daten, Montageanleitungen und Wartungsinformationen.</p>                            |