

Güde 50123

Güde 50123 Compressor 412/8/100 User Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your Güde 50123 Compressor 412/8/100. Please read these instructions carefully before using the compressor and keep them for future reference. This powerful air compressor is designed for various compressed air applications, featuring an oil-lubricated 2-cylinder V-aggregate with direct drive for impressive performance and efficiency.

SAFETY INSTRUCTIONS

Always observe general safety regulations when operating power tools and compressed air equipment. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Ensure the compressor is placed on a stable, level surface to prevent tipping.
- Operate the compressor in a well-ventilated area to prevent overheating.
- Never direct compressed air at people or animals.
- Wear appropriate personal protective equipment, including eye and ear protection.
- Before any maintenance or adjustment, disconnect the compressor from the power supply and ensure the tank is depressurized.
- Regularly check all connections and hoses for leaks or damage.
- Do not modify the compressor or its safety devices.
- Keep children and unauthorized persons away from the operating area.

PRODUCT OVERVIEW

The Güde 50123 Compressor 412/8/100 is equipped with features designed for reliable and efficient operation. Key components include an integrated pressure switch for precise settings, a pressure regulator for easy adjustment of working pressure, and two manometers for monitoring tank and working pressure. Two compressed air couplings allow for simultaneous operation of multiple tools. Safety features include a safety valve and a condensate drain screw.



Figure 1: Full side view of the Güde 50123 Compressor 412/8/100, showing the motor, tank, wheels, and control panel.

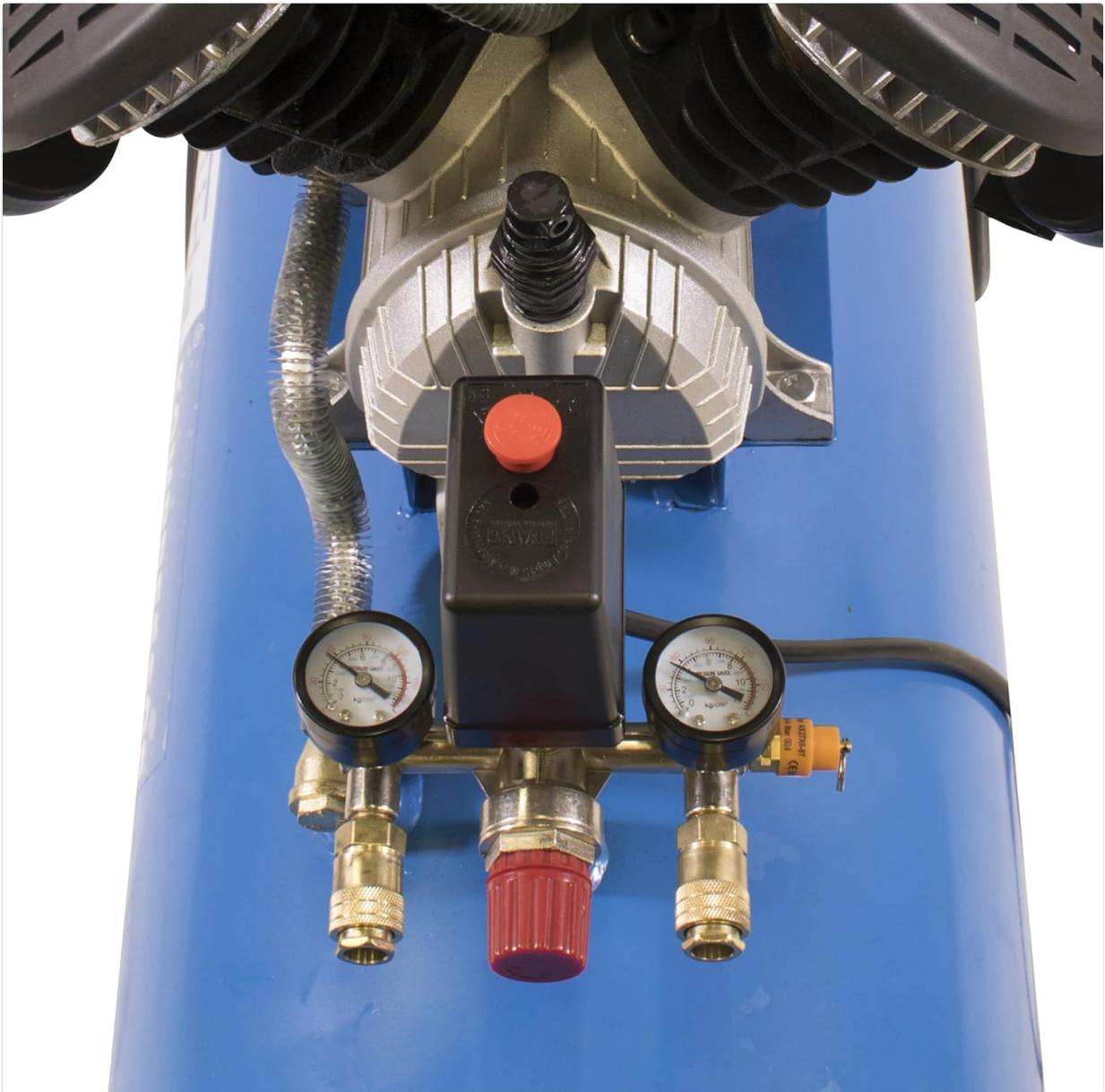


Figure 2: Detail of the control panel, highlighting the two pressure gauges, the red pressure regulator, and the two quick-connect compressed air couplings.

SETUP

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Wheel Assembly:** Attach the sturdy plastic wheels to the designated points on the compressor frame using the provided hardware. This enhances mobility.



Figure 3: Close-up of the durable plastic wheels, essential for moving the compressor.

- 3. Stabilizer Feet:** Ensure the rubber feet are securely attached to the compressor base for stability during operation.



Figure 4: View of the compressor's stable rubber feet and the condensate drain valve located underneath the tank.

4. **Oil Level Check:** Before first use, check the oil level in the compressor pump. Add appropriate compressor oil if necessary, ensuring it reaches the specified mark on the dipstick or sight glass.
5. **Electrical Connection:** Connect the compressor to a grounded 230 V, 50 Hz power outlet. Ensure the power circuit can handle the compressor's 2200 W motor power. The connection cable length is 200 cm.

OPERATING INSTRUCTIONS

1. **Power On:** Turn on the compressor using the main power switch. The compressor will begin to build pressure in the tank.
2. **Pressure Monitoring:** Observe the tank pressure manometer (usually the one showing higher pressure) as the tank fills. The compressor will automatically shut off when the maximum pressure of 8 bar is reached.
3. **Adjusting Working Pressure:** Use the red pressure regulator knob to set the desired working pressure for your tools. Monitor the working pressure manometer (usually the one showing lower pressure) to ensure accuracy.
4. **Connecting Air Tools:** Attach your compressed air tools to one of the two compressed air couplings. The dual couplings allow for simultaneous use of two tools.
5. **Operation:** Begin using your air tools. The compressor will cycle on and off automatically to maintain

the set tank pressure.

6. **Power Off:** After use, turn off the compressor using the main power switch. Depressurize the tank by opening a coupling or using an air tool until the pressure gauges read zero.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your compressor.

- **Condensate Drainage:** Drain the condensate from the air tank daily or after each use. This prevents corrosion and extends tank life. Locate the drain screw at the bottom of the tank (refer to Figure 4).
- **Oil Level Check:** Check the oil level weekly. Top up with suitable compressor oil if needed.
- **Oil Change:** Change the compressor oil every 100 operating hours or at least once a year.
- **Air Filter Cleaning/Replacement:** Inspect the air filter regularly. Clean or replace it as necessary to ensure proper air intake and prevent pump damage.
- **General Cleaning:** Keep the compressor clean and free of dust and debris, especially around the motor and cooling fins, to ensure efficient cooling.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power supply; Thermal overload switch tripped; Faulty power switch	Check power connection and fuse; Allow compressor to cool down and reset switch; Contact service
Low pressure or slow pressure build-up	Air leak in system; Clogged air filter; Worn piston rings/valves	Check connections and hoses for leaks; Clean/replace air filter; Contact service
Excessive noise or vibration	Loose components; Insufficient oil; Worn bearings	Tighten all fasteners; Check and top up oil; Contact service
Oil leakage	Loose fittings; Damaged seals	Tighten fittings; Contact service for seal replacement

SPECIFICATIONS

Feature	Specification
Model Number	50123
Net Voltage	230 V
Frequency	50 Hz
Motor Power (P1)	2.2 kW / 2200 W
Speed	2850 1/min
Suction Capacity	412 l/min

Feature	Specification
Effective Delivery Quantity (0 bar)	228 l/min
Effective Delivery Quantity (4 bar)	200 l/min
Effective Delivery Quantity (7 bar)	160 l/min
Maximum Pressure	8 bar
Tank Capacity	100 l
Number of Cylinders	2
Compressed Air Couplings	2
Manometers	2
Connection Cable Length	200 cm
Sound Power Level (LWA)	97 dB
Sound Pressure Level (LPA)	95.4 dB
Dimensions (L x W x H)	1040 mm x 430 mm x 770 mm
Net Weight	51.6 kg



Figure 5: Dimensional overview of the Güde 50123 Compressor.

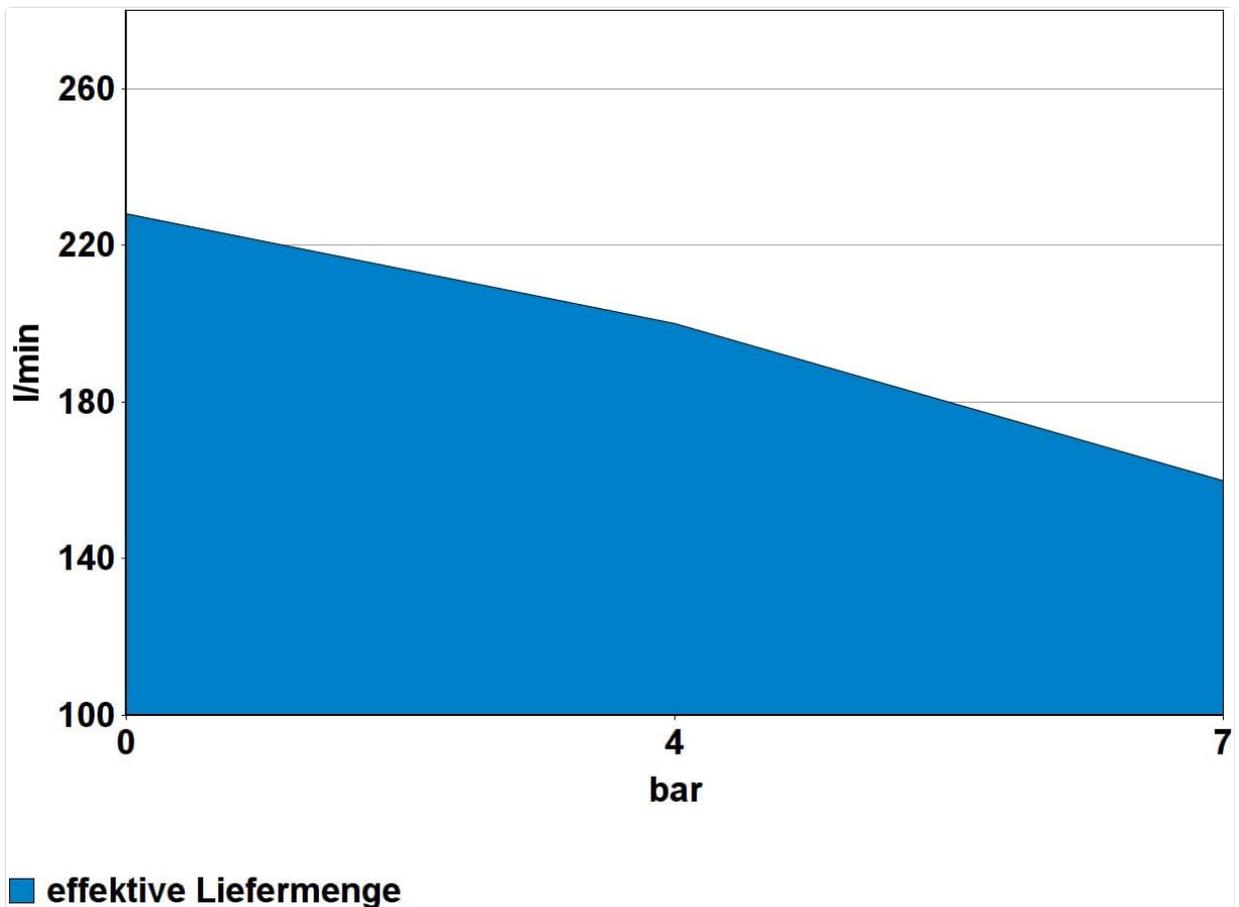


Figure 6: Performance graph showing effective delivery quantity versus pressure.

WARRANTY AND SUPPORT

Güde is committed to providing durable and reliable products. For any issues or professional intervention required for your Güde device, our dedicated service center is available to assist you.

- **Spare Parts:** Our service center stocks suitable spare parts for all our products, including older models, ensuring long-term usability.
- **Technical Assistance:** Qualified personnel at our internal service center are available by phone to help you with any problems concerning your Güde device.
- **Repair Service:** If your Güde device requires professional repair, our internal repair service is ready to provide the necessary intervention.

For service inquiries, please refer to the contact information provided with your purchase documentation or visit the official Güde website.