

## GÜDE 50140

# GÜDE 50140 Airpower 375/8/100 ED-SILENT Compressor Instruction Manual

Model: 50140

## INTRODUCTION

---

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your GÜDE 50140 Airpower 375/8/100 ED-SILENT oil-free piston compressor. Please read these instructions carefully before using the compressor to ensure proper function and to prevent injury or damage.

The GÜDE Airpower 375/8/100 ED-Silent is designed for various compressed air applications in a workshop environment. It features a powerful, oil-free, 4-cylinder motor and SuperSilent technology for quiet operation, with a sound pressure level of only 61 dB(A). The 100-liter steel tank provides ample air reserves, and the digital pressure reducer with an hour meter allows for precise pressure adjustment and monitoring.

## SAFETY INSTRUCTIONS

---

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

- **Read the entire manual:** Familiarize yourself with the compressor's controls and operation before use.
- **Electrical Safety:** Ensure the power supply matches the compressor's requirements (230 Volts). Do not operate with damaged cords or plugs.
- **Work Area:** Keep the work area clean, well-lit, and free from obstructions. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Personal Protective Equipment (PPE):** Wear appropriate eye protection, hearing protection, and other safety gear as required by the task.
- **Pressure Safety:** Never exceed the maximum operating pressure of 8 bar. The integrated safety valve is a critical component; do not tamper with it.
- **Maintenance:** Disconnect the compressor from the power supply before performing any maintenance or adjustments.
- **Children and Bystanders:** Keep children and bystanders away from the operating compressor.
- **Condensate Drainage:** Regularly drain condensate from the air tank to prevent corrosion and ensure optimal performance.
- **Transportation:** Use the transport handle and wheels for moving the compressor. Ensure it is stable before operation.

## PRODUCT OVERVIEW

The GÜDE 50140 Airpower compressor is designed for ease of use and durability. Below are key components and features.



**Figure 1:** Full view of the GÜDE 50140 Airpower 375/8/100 ED-SILENT compressor, showcasing its blue tank, motor units, handle, and wheels.



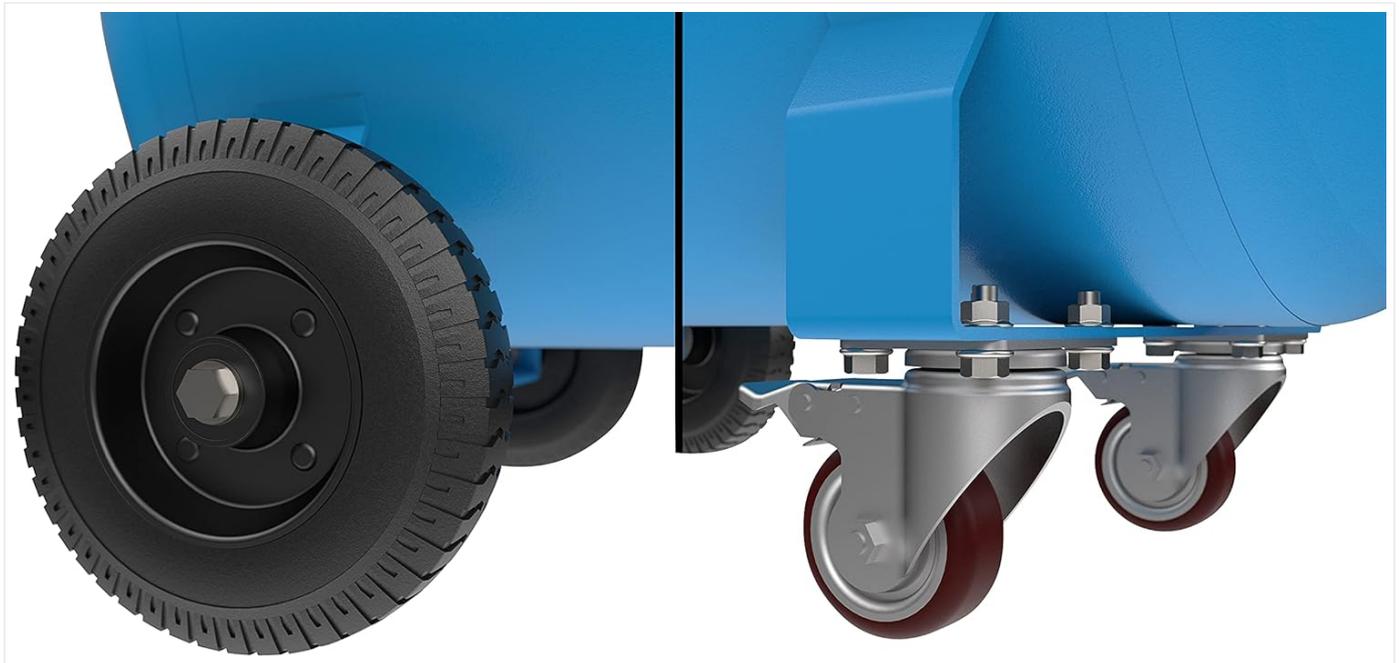
Figure 2: The compressor with its overall dimensions: 87 cm (length), 51 cm (width), and 81 cm (height).

### Key Components:

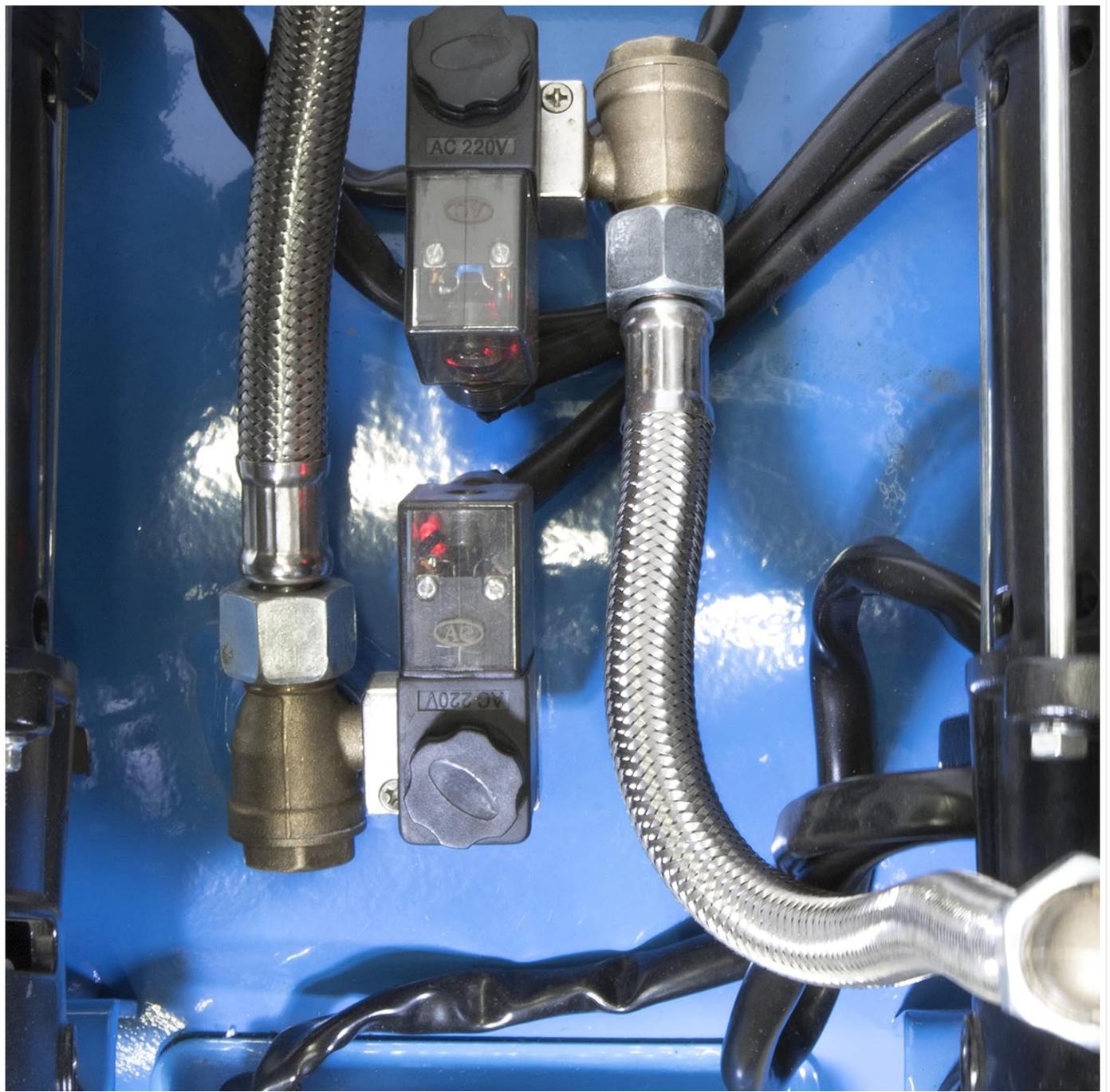
- **Digital Pressure Reducer with Hour Meter:** Allows precise adjustment of working pressure and displays boiler pressure, set pressure, and operating hours.
- **Oil-Free 4-Cylinder Piston Motor:** Provides powerful and maintenance-free operation.
- **100-Liter Steel Tank:** Stores compressed air, reducing motor run time.
- **Transport Handle:** For easy maneuvering.
- **Stable Wheel Set and Swivel Castors:** Enhances mobility.
- **Two Compressed Air Connections:** Enables simultaneous connection of two pneumatic tools.
- **Safety Valve:** Essential safety feature to prevent over-pressurization.
- **Condensate Drain Screw:** Located at the bottom of the tank for draining accumulated moisture.



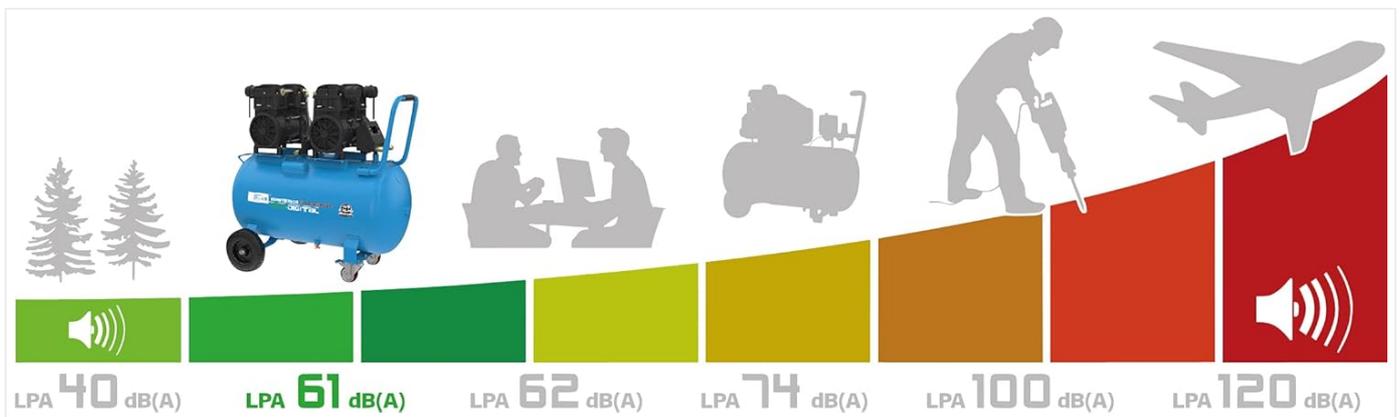
**Figure 3:** Close-up of the digital control panel, showing displays for settings, pressure, tank pressure, and voltage, along with power buttons.



**Figure 4:** Detail of the compressor's robust wheels and swivel casters, designed for easy movement and stability.



**Figure 5:** View of internal connections and valves, including solenoid valves, which manage air flow and pressure within the compressor system.



**Figure 6:** A comparative chart illustrating the low noise level of the GÜDE Airpower compressor (61 dB(A)) compared to other common sound sources.

## SETUP

---

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Wheel Assembly:** Attach the stable wheel set and swivel castors if they are not pre-assembled. Ensure all fasteners are securely tightened.
3. **Placement:** Position the compressor on a firm, level surface in a well-ventilated area. Ensure there is adequate space around the unit for air circulation and maintenance.
4. **Power Connection:** Connect the compressor to a grounded 230V power outlet. Ensure the power cord is not damaged or pinched.
5. **Initial Check:** Before first use, ensure the condensate drain screw is closed.

## OPERATING INSTRUCTIONS

---

1. **Power On:** Plug in the compressor. The digital display should illuminate. Press the power button to turn the unit on.
2. **Set Working Pressure:** Use the digital pressure reducer to set the desired working pressure. The display will show the current tank pressure and the set working pressure. The maximum pressure is 8 bar.
3. **Connect Air Tools:** Attach your pneumatic tools to one or both of the two compressed air connections. Ensure connections are secure to prevent air leaks.
4. **Operation:** The compressor will automatically start when the tank pressure drops below the set minimum and stop when it reaches the maximum set pressure.
5. **Power Off:** After use, turn off the compressor using the power button and disconnect it from the power supply.
6. **Depressurize:** Before storing, release any remaining air pressure from the tank by opening the drain valve or using an air tool until the tank is empty.

## MAINTENANCE

---

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

- **Condensate Drainage:** Drain the condensate from the air tank daily or after each use. This prevents corrosion inside the tank. Place a suitable container under the drain screw and open it until all water is expelled. Close the screw tightly afterward.
- **Air Filters:** Periodically inspect the air filters (4 included). Clean or replace them if they are dirty or clogged to ensure proper air intake and prevent motor strain.
- **Oil-Free Design:** This compressor is oil-free, meaning no oil changes or oil level checks are required for the pump.
- **General Cleaning:** Keep the exterior of the compressor clean. Wipe off dust and debris with a dry cloth. Do not use solvents or abrasive cleaners.
- **Check Connections:** Regularly check all air connections and fittings for leaks. Tighten if necessary.

## TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Compressor does not start.	No power supply; power switch off; thermal overload.	Check power connection and outlet; ensure power switch is ON; allow motor to cool down if overloaded.

Problem	Possible Cause	Solution
Compressor runs continuously or frequently.	Air leak in system; heavy air consumption; pressure switch malfunction.	Check all connections and hoses for leaks; reduce air consumption if possible; consult service if pressure switch is faulty.
Low air pressure output.	Air leak; clogged air filter; pressure reducer set too low.	Check for leaks; clean or replace air filter; adjust digital pressure reducer to desired setting.
Excessive noise or vibration.	Loose components; compressor not on a level surface; internal issue.	Check and tighten any loose bolts or fittings; ensure stable placement; if problem persists, consult service.
Water in air output.	Condensate not drained regularly.	Drain condensate from the tank immediately and regularly.

## SPECIFICATIONS

Feature	Value
Model Number	50140
Brand	GÜDE
Motor Power	2.2 kW (2200 Watt)
Voltage	230 Volts
Number of Cylinders	4
Tank Capacity	100 Liters
Max. Pressure	8 bar
Suction Power	375 l/min
Effective Quantity (0 bar)	360 l/min
Effective Quantity (4 bar)	234 l/min
Effective Quantity (7 bar)	194 l/min
Sound Pressure Level	61 dB(A)
Dimensions (L x W x H)	87 x 51 x 81 cm
Weight	70 Kilograms
Special Feature	Oil-free
Recommended Use	Tire inflation, general compressed air tasks

## WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the documentation provided with your purchase or contact GÜDE customer service directly. Contact details can typically be found on the manufacturer's website or on the

product packaging.

Please have your model number (50140) and purchase date available when contacting support.

