

[Manuals.plus](#) /

› [Stanley](#) /

› Stanley DN55/8/5 Air Compressor 5 L / 8 bar User Manual

Stanley DN55/8/5

Stanley DN55/8/5 Air Compressor User Manual

Model: DN55/8/5 | 5 Liters / 8 Bar

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Stanley DN55/8/5 Air Compressor. This oil-free compressor is designed for various applications around the home, garden, garage, and workshop. It is suitable for tasks such as inflating tires for cars, motorcycles, and bicycles, and powering compressed air tools like blow guns, tire pressure gauges, and staplers.

The compressor features a 5-liter tank, operates at 8 bar maximum pressure, and is powered by a 0.5 HP (0.3 kW) motor. It has a single cylinder and delivers an air flow of 55 liters per minute at 4200 RPM. The unit weighs 8 kg, making it portable for various tasks.



Figure 1: Front view of the Stanley DN55/8/5 Air Compressor, showing the yellow tank, black motor housing, pressure gauges, and control knob.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this air compressor. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the compressor. Do not operate the compressor in wet conditions or near flammable liquids or gases.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- **Operating Environment:** Use the compressor in a well-ventilated area. Keep children and bystanders away from the operating area.
- **Pressure Safety:** Never exceed the maximum operating pressure of the compressor or the attached air tools. Regularly inspect hoses and connections for damage.
- **Maintenance:** Disconnect the power supply before performing any maintenance or adjustments.
- **Storage:** Store the compressor in a dry, secure location, out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking. If any components are missing or damaged, contact your retailer.

- 1 x Stanley DN55/8/5 Air Compressor
- 1 x User Manual (in German, refer to this English version for comprehensive instructions)



Figure 2: The Stanley DN55/8/5 Air Compressor shown in its original retail box.

4. SETUP

Follow these steps to prepare your compressor for first use.

1. **Unpacking:** Carefully remove the compressor and all accessories from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure there is adequate space around the unit for air circulation.
3. **Power Connection:** Connect the power cord to a grounded electrical outlet that matches the compressor's voltage requirements (230 Volts).
4. **Attach Air Hose:** Connect your air hose (not included) to the quick-connect fitting on the pressure regulator. Ensure a secure connection.
5. **Drain Valve:** Ensure the drain valve at the bottom of the tank is closed before operation.



Figure 3: Detailed view of the compressor's control panel, showing the pressure regulator, outlet pressure gauge, tank pressure gauge, and power switch.

5. OPERATING INSTRUCTIONS

This section details the steps for operating your Stanley air compressor.

1. **Power On:** Flip the ON/OFF switch to the "ON" position. The compressor will start to build pressure in the tank.
2. **Monitor Tank Pressure:** The tank pressure gauge will show the internal pressure of the air tank. The compressor will automatically shut off when the maximum pressure (8 bar) is reached and restart when the pressure drops.
3. **Adjust Outlet Pressure:** Use the red pressure regulator knob to set the desired working pressure for your air tool. The outlet pressure gauge will display this adjusted pressure.
4. **Connect Air Tool:** Attach your compressed air tool to the quick-connect fitting.
5. **Begin Operation:** Operate your air tool as required.
6. **Power Off:** When finished, turn the ON/OFF switch to the "OFF" position.
7. **Depressurize:** Before disconnecting any tools or hoses, release any remaining air pressure from the system. This can be done by activating an air tool or slowly opening the drain valve (ensure no one is in the path of the air).



Figure 4: Side view highlighting the pressure regulator, tank pressure gauge, and outlet pressure gauge for precise control.

6. MAINTENANCE

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

- **Drain the Air Tank:** Condensation accumulates in the air tank. To prevent rust and maintain tank capacity, drain the tank daily or after each use. Open the drain valve located at the bottom of the tank until all moisture is expelled. Close the valve securely afterward.
- **Clean Air Filter:** Periodically inspect and clean the air filter (if accessible and applicable for this model). A clogged filter reduces compressor efficiency.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Use a damp cloth to wipe down exterior surfaces. Do not use harsh chemicals.
- **Oil-Free Design:** This compressor is designed to be oil-free, eliminating the need for oil changes or lubrication of the pump.
- **Inspect Hoses and Fittings:** Regularly check air hoses and fittings for wear, cracks, or leaks. Replace damaged components immediately.



Figure 5: Rear view of the compressor, showing the motor housing and power cable connection point.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor does not start.	No power, faulty switch, thermal overload.	Check power connection. Ensure switch is ON. Allow compressor to cool down if it was running continuously.
Compressor runs continuously or frequently.	Air leak in tank, hose, or fittings; excessive air consumption.	Check all connections for leaks using soapy water. Tighten or replace faulty components. Reduce air tool usage if possible.
Low air pressure at outlet.	Pressure regulator set too low, air leak, clogged air filter.	Adjust pressure regulator. Check for leaks. Clean or replace air filter.
Excessive noise or vibration.	Loose components, worn parts.	Inspect for loose screws or fittings and tighten. If noise persists, professional service may be required.

8. SPECIFICATIONS

Technical specifications for the Stanley DN55/8/5 Air Compressor.

Feature	Value
Manufacturer	Stanley Tools - FR
Model Number	DN55/8/5
Product Dimensions (L x W x H)	30 x 25 x 30 cm
Weight	8 Kilograms

Feature	Value
Tank Capacity	5 Liters
Maximum Pressure	8 Bars
Power (Maximum)	1100 Watts (0.5 HP / 0.3 kW)
Voltage	230 Volts
Air Flow Capacity	55 Liters per minute
RPM	4200 RPM
Special Feature	Oil-free
Included Components	1 compressed air compressor, 1 user manual (German)
Hose Length (if included)	1.5 Meters (Note: This refers to an internal component or an accessory not explicitly listed as included in the main package contents.)



Figure 6: The compressor with its approximate dimensions (30cm x 30cm x 25cm) indicated.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact your retailer. Information regarding the availability of spare parts is not provided in the product specifications.

© 2026 Stanley. All rights reserved. This manual is for informational purposes only.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question