

Stanley DST 100/8/6

Stanley DST 100/8/6 Silent Air Compressor User Manual

Model: DST 100/8/6

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Stanley DST 100/8/6 Silent Air Compressor. Please read this manual thoroughly before operating the compressor and keep it for future reference.

The Stanley DST 100/8/6 is a compact and portable air compressor featuring Silence Tech technology, designed for indoor use with a low noise level of 59 dB(A) at 7 meters. It is equipped with two 1 HP aluminum compression heads and a durable brushless central motor for extended lifespan. This oil-free and maintenance-free compressor is ideal for various tasks including blowing, inflating, nailing, and airbrushing.

Key Features:

- Very low noise level (59 dB)
- Robust plastic cover completely protects all mechanical parts
- Control panel with easy-to-read pressure gauge
- Non-lubricated compressor (oil-free)
- Easy to transport

2. SAFETY INFORMATION

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the compressor.
- **Electrical Safety:** Ensure the power supply matches the voltage specified on the compressor. Do not operate in wet conditions. Always use a grounded outlet.
- **Personal Protective Equipment:** Wear safety glasses or goggles when operating the compressor. Hearing protection is recommended, especially during prolonged use, despite the low noise level.
- **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 accessory being used. Do not direct compressed air at people or animals.
- **Maintenance:** Disconnect the power plug before performing any maintenance or adjustments.
- **Storage:** Store the compressor in a dry, secure location, out of reach of children.

3. SETUP

Before first use, ensure the compressor is placed on a stable, level surface.

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any damage that may have occurred during shipping.
2. **Placement:** Position the compressor in a clean, dry, and well-ventilated area. Ensure there is adequate space around the unit for air circulation.
3. **Power Connection:** Connect the power plug to a suitable 230 Volt grounded electrical outlet. Ensure the power switch is in the "OFF" position before plugging in.
4. **Accessory Connection:** Attach your desired air tool or accessory to the compressor's air outlet. The compressor is supplied without accessories, but these are readily available.



Figure 3.1: Overview of the Stanley DST 100/8/6 Silent Air Compressor.



Figure 3.2: Detail of the robust handle and power switch for easy operation.



Figure 3.3: The compact design and integrated handle make the compressor easy to transport.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your compressor.

1. **Power On:** Flip the power switch to the "ON" position. The compressor will begin to build pressure in the 6-liter tank.
2. **Monitor Pressure:** Observe the easy-to-read pressure gauge on the control panel. The compressor will automatically stop once the maximum pressure of 8 Bars is reached.
3. **Using Air Tools:** Once the desired pressure is achieved, you can begin using your air tools. The compressor will automatically restart when the pressure drops below a certain threshold to maintain consistent air supply.
4. **Noise Level:** This compressor operates at a very low noise level of 59 dB, making it suitable for indoor use without significant disturbance.
5. **Air Flow:** The compressor provides an air flow capacity of 65 liters per minute, suitable for various light to medium-

duty tasks.

6. **Power Off:** When finished, turn the power switch to the "OFF" position. Disconnect the power plug from the outlet.
7. **Depressurize:** Always release any remaining air pressure from the tank and connected tools before storing.

MECAFER LE SPÉCIALISTE DE L'AIR COMPRIMÉ



Figure 4.1: The control panel features clear pressure gauges for easy monitoring.

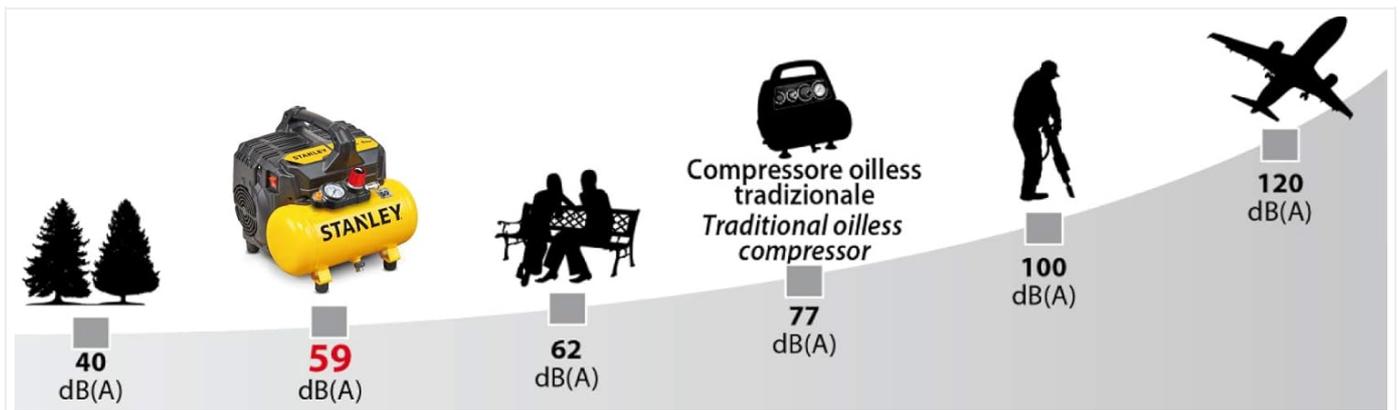


Figure 4.2: Noise comparison illustrating the quiet operation of the 59 dB Stanley compressor compared to other sound sources.

5. MAINTENANCE

The Stanley DST 100/8/6 is an oil-free and maintenance-free compressor, simplifying its care. However, regular checks are recommended to ensure optimal performance and longevity.

- **Tank Purging:** It is crucial to regularly purge the air tank to remove accumulated moisture. This prevents rust and extends the life of the tank. Locate the drain valve at the bottom of the tank and open it to release condensed water after each use or at least weekly, depending on usage frequency and humidity.

- **Cleaning:** Keep the compressor clean and free from dust and debris. Use a dry cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Air Filter:** Periodically check the air intake filter for cleanliness. A clogged filter can reduce efficiency. Clean or replace as necessary according to manufacturer guidelines (though this model is generally low maintenance).
- **Storage:** When not in use for extended periods, store the compressor in a dry, protected environment.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Compressor does not start.	No power supply; Power switch off; Thermal overload.	Check power connection and outlet; Turn power switch ON; Allow compressor to cool down, then restart.
Compressor runs continuously or frequently.	Air leak in system; Excessive air consumption; Pressure switch malfunction.	Check all connections for leaks; Ensure air tool usage matches compressor capacity; Contact support if pressure switch is suspected.
Low air pressure or insufficient air flow.	Clogged air filter; Air leak; Tool requires more air than compressor provides.	Clean or replace air filter; Check for leaks; Use tools compatible with compressor's CFM/LPM.
Excessive noise or vibration.	Loose components; Compressor not on a level surface.	Check and tighten any loose parts; Place compressor on a stable, level surface.
Water in air line.	Moisture accumulation in tank.	Regularly drain condensed water from the tank via the drain valve.

7. SPECIFICATIONS

Specification	Value
Brand	Stanley
Model Number	DST 100/8/6
Manufacturer	MECAFER
Product Dimensions (L x W x H)	36.5 x 36 x 37.5 cm
Weight	16.3 Kilograms
Color	Giallo Stanley
Material	Metal
Power Source	Electric
Voltage	230 Volts
Power	750 Watts
Horsepower (HP)	1 hp

Specification	Value
Maximum Pressure	8 Bars
Air Flow Capacity	65 liters per minute
Noise Level	59 dB
Hose Length	10 Meters
Special Feature	Easy to Transport
Included Components	Power plug
Country of Origin	China

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation provided with your purchase or visit the official Stanley website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase. Should you require technical assistance, spare parts, or have questions not covered in this manual, please contact Stanley customer support or your authorized dealer.

Manufacturer: MECAFER

Brand: Stanley



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Related Documents - DST 100/8/6

	<p>STANLEY SXIF0101 Mini Inflator User Manual and Safety Guide</p> <p>Comprehensive guide for the STANLEY SXIF0101 Mini Inflator, covering safety instructions, product specifications, assembly, operation, troubleshooting, and environmental protection. Learn how to safely and effectively use your mini inflator for various inflation needs.</p>
	<p>STANLEY J7C09D Portable Power Station: Jump Starter, Air Compressor, USB Charger - User Manual</p> <p>Comprehensive user manual for the STANLEY J7C09D Portable Power Station. Learn how to use its jump-starting, air compressor, and USB charging features safely and effectively. Includes troubleshooting, specifications, and warranty information.</p>



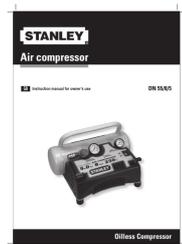
[STANLEY DN 200/10/5 Oilless Air Compressor User Manual](#)

Comprehensive user manual for the STANLEY DN 200/10/5 Oilless Air Compressor, detailing safe operation, maintenance, and troubleshooting procedures.



[STANLEY 1000A Jump-Starter with Compressor - Instruction Manual](#)

This instruction manual provides comprehensive details on operating, charging, and maintaining the STANLEY 1000A Jump-Starter with Compressor. It includes safety guidelines, troubleshooting tips, and warranty information.



[STANLEY DN 55/8/5 Oilless Air Compressor Instruction Manual](#)

Comprehensive user manual for the STANLEY DN 55/8/5 Oilless Air Compressor, detailing safety instructions, product features, technical specifications, operation, maintenance, and troubleshooting.



[Stanley SRP 4960 Compaction Reversible Plate Parts Manual](#)

Comprehensive parts manual for the Stanley SRP 4960 Compaction Reversible Plate, detailing all components, part numbers, quantities, and assembly kits. Includes technical specifications, adhesive torque conversions, and maintenance information.