Stanley DST 101/8/6SI

Stanley Fatmax Compressor DST 101/8/6 FMXCM00

USER MANUAL

1. Important Safety Instructions

Read all instructions carefully before operating the 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's nameplate. Do not operate in wet conditions. Always use a grounded outlet.
- **Pressure Safety:** Never exceed the maximum operating pressure of 8 bar. Do not tamper with the pressure relief valve. Always wear eye protection when operating.
- **Personal Safety:** Keep children and bystanders away. Do not operate when tired or under the influence of drugs or alcohol.
- **Maintenance:** Disconnect from power before performing any maintenance or adjustments.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating.

2. Product Overview

The Stanley Fatmax DST 101/8/6 FMXCM00 is a compact and quiet air compressor designed for various home and light professional applications. It features an 8-bar maximum working pressure and a 6-liter tank capacity, making it suitable for tasks such as blowing clean workspaces, operating various pneumatic tools, and inflating tires or airbeds. Its low noise level of 59dB ensures quiet operation.

Figure 2.1: Stanley Fatmax DST 101/8/6 Silent Air Compressor. This image shows the compact black and yellow compressor with its top handle, two pressure gauges, a yellow pressure regulator knob, and the 6-liter air tank at the base. The power switch is visible on the left side.

Key Components:

- **Pressure Gauges:** Display tank pressure and regulated output pressure.
- **Pressure Regulator Knob:** Adjusts the output air pressure.
- **Quick-Connect Coupler:** For attaching air tools and hoses.
- **Power Switch:** On/Off control for the compressor.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Rubber Feet:** Provide stability and reduce vibration during operation.

3. Setup

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a clean, well-ventilated area. Ensure adequate space around the unit for air circulation.
3. **Initial Check:** Before first use, ensure the drain valve at the bottom of the tank is closed.
4. **Power Connection:** Connect the power cord to a grounded electrical outlet with the correct voltage (230 Volts).

4. Operation

1. **Starting the Compressor:**
    - Ensure the power switch is in the "OFF" position.
    - Plug the compressor into a suitable power outlet.
    - Turn the power switch to the "ON" position. The compressor will start to fill the air tank.
    - Allow the compressor to reach its maximum pressure (8 bar) and shut off automatically. This indicates it is ready for use.
2. **Adjusting Output Pressure:**
    - Rotate the yellow pressure regulator knob clockwise to increase pressure or counter-clockwise to decrease pressure.
    - Monitor the regulated output pressure gauge to set the desired pressure for your tool.
3. **Connecting Air Tools:**
    - Ensure the air tool is suitable for the compressor's output pressure and airflow.
    - Connect your air hose to the quick-connect coupler on the compressor.
    - Attach your air tool to the other end of the hose.
4. **Shutting Down:**
    - Turn the power switch to the "OFF" position.
    - Disconnect the air hose and tools.
    - *Important:* Always drain the air tank after each use to prevent moisture buildup and corrosion. Slowly open the drain valve at the bottom of the tank until all air and moisture are expelled. Close the valve tightly afterward.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your compressor.

- **Daily:**
    - Drain condensation from the air tank (as described in "Shutting Down").
- **Weekly/After 10 Hours of Use:**
    - Inspect the air filter. Clean or replace if dirty. A clogged filter reduces efficiency.
    - Check all connections and fittings for leaks. Tighten if necessary.
- **Storage:**

- Store the compressor in a clean, dry, and well-ventilated area.
- Ensure the tank is drained and the power is disconnected before storage.

6. Troubleshooting

Problem	Possible Cause	Solution
Compressor does not start.	No power, tripped circuit breaker, faulty switch.	Check power connection, reset breaker, contact service if switch is faulty.
Compressor runs continuously or frequently.	Air leak, excessive air consumption, pressure switch malfunction.	Check for leaks in hoses/fittings, reduce air tool usage, contact service.
Low air pressure.	Regulator set too low, air leak, clogged air filter.	Adjust regulator, check for leaks, clean/replace air filter.
Excessive noise or vibration.	Loose components, worn parts, unstable placement.	Tighten loose parts, replace worn components, ensure stable placement on rubber feet.

7. Specifications

Feature	Value
Model Number	DST 101/8/6SI
Brand	Stanley
Type	Oil-free Air Compressor
Tank Capacity	6 Liters
Maximum Pressure	8 Bar
Power	750W (1 HP)
Voltage	230-240 Volts
Air Delivery (FAD)	105 Liters/minute
Noise Level	59 dB(A)
Dimensions (L x W x H)	50 x 50 x 28 cm
Weight	14.36 kg
IP Protection Class	IP43

8. Warranty and Support

Stanley products are manufactured to high-quality standards and are guaranteed against manufacturing defects. Please refer to your purchase documentation for specific warranty terms and conditions applicable to your region.

For technical support, spare parts, or warranty claims, please contact your local Stanley service center or authorized dealer. Keep your proof of purchase for warranty validation.

Note: Information regarding spare parts availability is currently unavailable.