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SMTmax SL-140

SMTmax 2 Hp Noiseless & Oil Free Air Compressor SL-140 User Manual

Model: SL-140

INTRODUCTION

Thank you for choosing the SMTmax SL-140 2 Hp Noiseless & Oil Free Air Compressor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new air compressor. Please read this manual thoroughly before operating the unit and retain it for future reference. This compressor is designed for various applications requiring clean, quiet, and oil-free compressed air, such as dental offices, electronic assembly, and food industries.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the compressor:

- **Electrical Safety:** Ensure the compressor is connected to a properly grounded 110 Volt power supply. Do not use extension cords unless absolutely necessary, and ensure they are rated for the compressor's power requirements.
- **Pressure Safety:** Never exceed the maximum operating pressure of 115 PSI. Always wear appropriate eye protection when operating the compressor or using air tools.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating.
- **Drainage:** Regularly drain moisture from the air tank to prevent corrosion and maintain air quality.
- **Maintenance:** Disconnect the power supply and release all air pressure from the tank before performing any maintenance or repairs.
- **Children and Pets:** Keep children and pets away from the compressor during operation.
- **Stability:** Ensure the compressor is placed on a stable, level surface to prevent tipping.

PRODUCT OVERVIEW

The SMTmax SL-140 is a robust, quiet, and efficient air compressor designed for professional use. Its oil-free design ensures clean air output and reduces maintenance requirements.

Key Features:

- 2 Horsepower motor for powerful performance.
- Noiseless operation (62 Decibels) suitable for sensitive environments.
- Oil-free design for clean air and low maintenance.
- Low vibration for stable operation.
- 12 Gallon tank capacity for sustained air supply.
- Portable style for ease of movement.

Components:

Familiarize yourself with the main components of your air compressor:



Figure 1: Front view of the SMTmax SL-140 air compressor. This image displays the main body of the compressor, including the two motor heads, pressure regulators, and the large white air tank with the SMTmax logo. Handles are visible on either side of the tank for portability.



Figure 2: Rear view of the SMTmax SL-140 air compressor. This image shows the back of the compressor tank, including warning labels regarding moisture and corrosion, and the location of the drain valve at the bottom of the tank.

SETUP

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage. Report any damage to your supplier immediately.
2. **Placement:** Place the compressor on a firm, level surface in a clean, dry, and well-ventilated area. Ensure there is adequate space around the unit for air circulation.
3. **Electrical Connection:** Connect the power cord to a grounded 110 Volt, 60 Hz electrical outlet. Ensure the circuit can handle the compressor's 1700 Watt power requirement.
4. **Initial Check:** Before first use, ensure all connections are secure and the drain valve at the bottom of the tank is closed.

OPERATING INSTRUCTIONS

1. **Power On:** Plug the compressor into the appropriate electrical outlet. Turn the power switch to the "ON" position. The compressor will begin to build pressure.
2. **Pressure Adjustment:** Use the pressure regulator knob (typically located near the pressure gauges) to set the desired output air pressure. One gauge shows tank pressure, the other shows regulated output pressure.
3. **Connecting Air Tools:** Attach your air hose to the quick-connect coupler. Ensure the connection is secure before operating any air tools.

4. **Power Off:** When finished, turn the power switch to the "OFF" position. Disconnect air tools and release any remaining air pressure from the hose.
5. **Drain Tank:** After each use, or at least daily, open the drain valve at the bottom of the tank to release accumulated moisture. Close the valve securely afterward.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your SMTmax air compressor. Always disconnect power and release tank pressure before maintenance.

- **Daily:** Drain moisture from the air tank. This prevents rust and corrosion inside the tank.
- **Weekly/Monthly:**
 - Inspect the air filter (if present) for dirt and debris. Clean or replace as needed.
 - Check all hoses and connections for leaks. Tighten or replace as necessary.
 - Clean the exterior of the compressor to prevent dust buildup on cooling fins.
- **Annual:** Have the compressor inspected by a qualified technician for wear and tear on critical components.

Note: As this is an oil-free compressor, there is no oil to check or change.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Compressor does not start	No power; tripped circuit breaker; faulty switch.	Check power connection; reset breaker; contact support.
Compressor runs continuously or frequently	Air leak in tank or hose; pressure switch malfunction.	Check for leaks and tighten connections; contact support for pressure switch.
Low air pressure output	Regulator set too low; air leaks; clogged filter.	Adjust regulator; check for leaks; clean/replace filter.
Excessive moisture in air line	Tank not drained regularly; high humidity.	Drain tank daily; consider an inline air dryer for critical applications.

SPECIFICATIONS

Detailed technical specifications for the SMTmax SL-140 Air Compressor:

Model Name	SL-140
Brand	SMTmax
Motor Horsepower	2 Horsepower
Voltage	110 Volts
Wattage	1700 watts

Tank Volume	12 Gallons
Maximum Operating Pressure	115 Pound per Square Inch (PSI)
Noise Level	62 Decibels
Special Features	Ultra Quiet, Oil Free
Recommended Uses	Dental, Electronic Assembly, Food Industry
Item Weight	105 Pounds
Product Dimensions	48 x 25 x 48 inches
Material	Metal
GTIN (UPC)	820103300216

Note: Specifications are subject to change without notice for product improvement.

WARRANTY AND SUPPORT

Your SMTmax SL-140 Air Compressor comes with a standard return policy. For specific warranty details, please refer to the documentation provided at the time of purchase or contact SMTmax directly.

- **Return Policy:** This product typically includes a 30-day return policy. Please check your purchase details for exact terms.
- **Customer Support:** For technical assistance, parts, or warranty claims, please contact SMTmax customer support. Refer to your purchase invoice or the SMTmax website for contact information.
- **Manufacturer:** SMTmax