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SilentAire Super Silent 30-TC

Silentaire Super Silent 30-TC Airbrush Compressor

INSTRUCTION MANUAL

Product Overview

The Silentaire Super Silent 30-TC is an automatic, virtually noiseless airbrush compressor designed for various airbrushing applications. It features a compact design and includes essential components for immediate use.
Key features include:

- **Output:** 1.05 CFM
- **Max Pressure:** 114 PSI
- **Operating Pressure:** 84-114 PSI
- **Noise Level:** 40 Decibels
- **Tank Size:** 0.9 Gallons
- **Additional Features:** Automatic Shut-Off, Silent Operation



Figure 1: Silentaire Super Silent 30-TC Airbrush Compressor. This image shows the compact design of the compressor with its black carrying handle, gray tank, and integrated pressure regulator and gauges.

Setup Instructions

Before operating your Silentaire Super Silent 30-TC compressor, follow these steps to ensure proper setup:

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any visible damage. Retain packaging for future transport or storage.
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. **Component Check:** Verify all included components are present: Tank, Pressure Regulator with built-in moisture trap and line pressure gauge, Safety Valve, Air Intake Filter, and Carrying Handle.
4. **Air Intake Filter Installation:** Ensure the air intake filter is securely attached to the compressor. This filter prevents dust and debris from entering the compressor mechanism.
5. **Power Connection:** Connect the power cord to a grounded 110V/60Hz electrical outlet. Ensure the power switch is

in the "OFF" position before plugging in.

6. **Airbrush Connection:** Connect your airbrush hose to the outlet port of the pressure regulator. Ensure a secure, leak-free connection.

Operating Instructions

Follow these steps for safe and effective operation of your airbrush compressor:

1. **Power On:** Flip the power switch to the "ON" position. The compressor will begin to fill the air tank. It will automatically shut off once the maximum pressure (114 PSI) is reached.
2. **Pressure Adjustment:** Use the knob on the pressure regulator to set the desired operating pressure for your airbrush. The line pressure gauge will display the output pressure. Turn clockwise to increase pressure, counter-clockwise to decrease.
3. **Moisture Trap:** The built-in moisture trap will collect condensation. Regularly check and drain the moisture trap by opening the valve at the bottom to prevent water from reaching your airbrush.
4. **Automatic Operation:** The compressor is fully automatic. It will cycle on when the tank pressure drops below 84 PSI and turn off when it reaches 114 PSI, maintaining consistent air supply.
5. **Power Off:** When finished, turn the power switch to the "OFF" position and unplug the compressor from the electrical outlet.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your compressor.

- **Drain Moisture Trap:** After each use, or daily if used frequently, drain any accumulated moisture from the moisture trap. This prevents water from entering your airbrush and protects internal components from corrosion.
- **Drain Air Tank:** Periodically, drain the air tank to remove any accumulated condensation. Refer to the compressor's specific drain valve location, usually at the bottom of the tank.
- **Air Intake Filter Cleaning/Replacement:** Inspect the air intake filter regularly. Clean it if dusty or replace it if it appears clogged or damaged. A clean filter ensures efficient operation and prevents internal contamination.
- **General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris. Use a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the compressor in a clean, dry environment. Ensure the tank is drained and the power is disconnected.

Troubleshooting Guide

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

Problem	Possible Cause	Solution
Compressor does not turn on.	No power supply; Power switch off; Thermal overload.	Check power cord connection and outlet; Ensure power switch is ON; Allow compressor to cool down if it has been running for a long time.
No air output or low pressure.	Airbrush hose leak; Regulator set too low; Tank not fully pressurized; Clogged air filter.	Check all connections for leaks; Adjust pressure regulator; Allow compressor to reach max pressure; Inspect and clean/replace air intake filter.

Problem	Possible Cause	Solution
Excessive moisture in air output.	Moisture trap full or not drained; Tank condensation.	Regularly drain the moisture trap; Periodically drain the main air tank.
Compressor runs continuously.	Air leak in system; Pressure switch malfunction.	Check all connections for leaks (hose, fittings); If problem persists, contact customer support.

Product Specifications

Feature	Detail
Model Number	Super Silent 30-TC
Brand	SilentAire
Voltage	110V/60Hz (Note: Product data also lists 220 Volts, please verify your specific model's voltage requirement)
Output	1.05 CFM (Cubic Feet Per Minute)
Max Pressure	114 PSI
Operating Pressure	84-114 PSI
Noise Level	40 Decibels
Tank Size	0.9 Gallons
Compressor Dimensions	13.8 x 11 x 13.4 inches
Compressor Weight	39 lbs.
Power Source	Corded Electric
Motor Horsepower	0.33 horsepower
Material Type	Metal
Included Components	Tank, Pressure Regulator, Safety Valve, Air Intake Filter, Carrying Handle

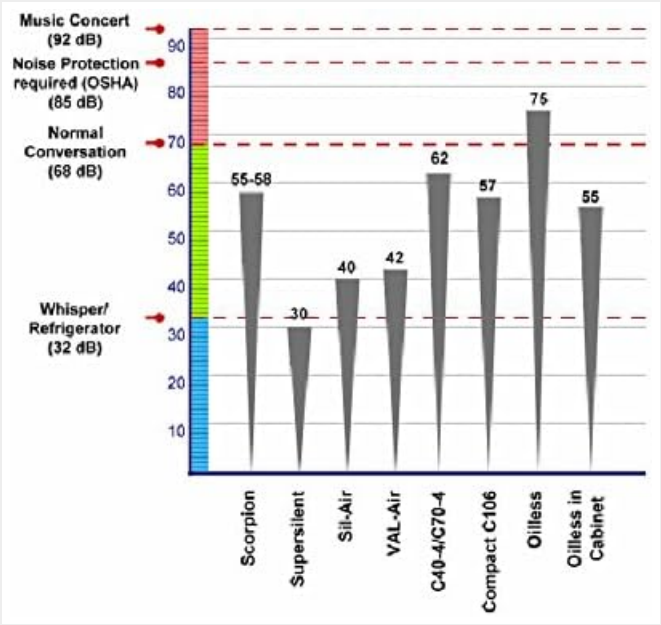


Figure 2: Noise Level Comparison Chart. This chart visually compares the decibel levels of various air compressors, highlighting the low noise output of "Supersilent" models at approximately 30 dB, and "Sil-Air" at 40 dB, which corresponds to the Silentaire Super Silent 30-TC's specified noise level.

Warranty Information

Specific warranty details for the Silentaire Super Silent 30-TC compressor are typically provided with the product documentation at the time of purchase. Please refer to the warranty card or contact SilentAire customer support for comprehensive information regarding warranty coverage, terms, and conditions.

Customer Support

For technical assistance, spare parts, or further inquiries regarding your Silentaire Super Silent 30-TC airbrush compressor, please contact SilentAire customer support. Contact information can usually be found on the manufacturer's official website or within the product packaging.

Always refer to the official SilentAire website or included documentation for the most up-to-date support information.

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