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## Nessxa Ultra Quiet Air Compressor

# Nessxa 14 Gallon Ultra Quiet Air Compressor Instruction Manual

MODEL: ULTRA QUIET AIR COMPRESSOR (14 GALLON)

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## 1. Introduction

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Nessxa 14 Gallon Ultra Quiet Air Compressor. Please read this manual thoroughly before operating the unit and retain it for future reference.



Image 1: Nessxa 14 Gallon Ultra Quiet Air Compressor, showing its compact design with wheels and handle.

## 2. Product Overview and Components

The Nessxa 14 Gallon Ultra Quiet Air Compressor is designed for various applications, including tire inflation, auto repair, woodworking, and spray painting. It features an oil-free motor, a 14-gallon tank, and a low noise level for comfortable operation.



**OIL-FREE AIR COMPRESSOR**

It takes only **60** seconds to fill the empty tank to maximum pressure

275°F Automatic  
overheat protection

**2HP**

**8.75CFM@ 115PSI**

Image 2: Detailed view of the air compressor highlighting key components such as the air filter, pressure control gauges, quick connectors, oil-free air compressor unit, 2HP motor, 14 Gallon steel tank, drain valve, and wheels.

- **Air Filter:** Filters incoming air to protect the compressor.
- **Pressure Control Gauges:** Displays tank pressure and regulated output pressure.
- **Quick Connectors:** Two female industrial "push to connect" quick couplers for attaching air tools.
- **Oil-Free Air Compressor Unit:** The motor and pump assembly.
- **2HP Motor:** Provides power for air compression.
- **14 Gallon Steel Tank:** Stores compressed air.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Wheels and Handle:** For portability.

# BUILT TO WITHSTAND

3-Layer process, against explosion and leakage

**3.5** Mpa Max.  
Bearing pressure

Q235B structural steel

Plastic powder attachment layer

Rust & wear resistant layer

0.06 in thickness



Image 3: Illustration of the compressor tank's durable 3-layer construction, including a rust and wear-resistant layer, plastic powder attachment layer, and Q235B structural steel, designed to withstand high pressure and prevent leaks.

## 3. Safety Instructions

Always follow basic safety precautions when using this air compressor to reduce the risk of fire, electric shock, and personal injury.

- **Electrical Safety:** Ensure the power source is 110V/60Hz. Do not operate the compressor with a damaged cord or plug.
- **Pressure Safety:** Never exceed the maximum operating pressure of 115 PSI. The compressor is equipped with automatic pressure relief protection.
- **Overheating Protection:** The unit has two large cooling fans and automatic overheating protection. If the motor overheats, it will shut off automatically. Allow it to cool before restarting.
- **Tank Integrity:** The tank is constructed with Q235B structural steel and multiple protective layers to resist explosions and leakages. Do not modify or weld on the air tank.
- **Operating Environment:** Use the compressor in a well-ventilated area. Keep children and bystanders away during operation.
- **Personal Protective Equipment:** Always wear safety glasses or goggles when operating the air

compressor or using air tools.

## 4. Setup

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Wheel Assembly:** Attach the wheels to the compressor base using the provided hardware. Ensure they are securely fastened for stability and portability.
3. **Handle Attachment:** Secure the handle to the compressor frame.
4. **Initial Check:** Before first use, ensure all connections are tight and the drain valve at the bottom of the tank is closed.
5. **Power Connection:** Connect the compressor to a grounded 110V/60Hz electrical outlet.

## 5. Operating Instructions

1. **Starting the Compressor:** Turn the power switch to the "ON" position. The compressor will begin to fill the tank.
2. **Fast Inflation System:** The compressor features a double tube and double cylinder intake system for efficient filling. It can fill the empty tank to maximum pressure (115 PSI) in approximately 60 seconds.



Image 4: Illustration of the double tube and double cylinder intake system, designed for fast and efficient air compression, featuring temperature-resistant silicone inner tubes and stainless steel braided mesh outer layers.



Image 5: Depiction of the 2HP oil-free motor, delivering 8.75 CFM at 115 PSI, equipped with 275°F automatic overheat protection.

- 3. Pressure Adjustment:** Use the pressure regulator knob to set the desired output pressure for your air tools. Monitor the regulated pressure gauge.
- 4. Connecting Air Tools:** Attach your air tool to one of the quick couplers. Ensure a secure connection.
- 5. Automatic Operation:** The compressor will automatically shut off when the tank reaches its maximum pressure (115 PSI). When the internal pressure drops below 70 PSI during use, the motor will restart automatically for approximately 30 seconds to maintain continuous air supply.
- 6. Quiet Operation:** This compressor operates at a maximum noise level of 70dB, comparable to a normal conversation, thanks to its high-quality silencers and filter cotton.

# LOW NOISE **70dB**

No more disturbing, even working at home

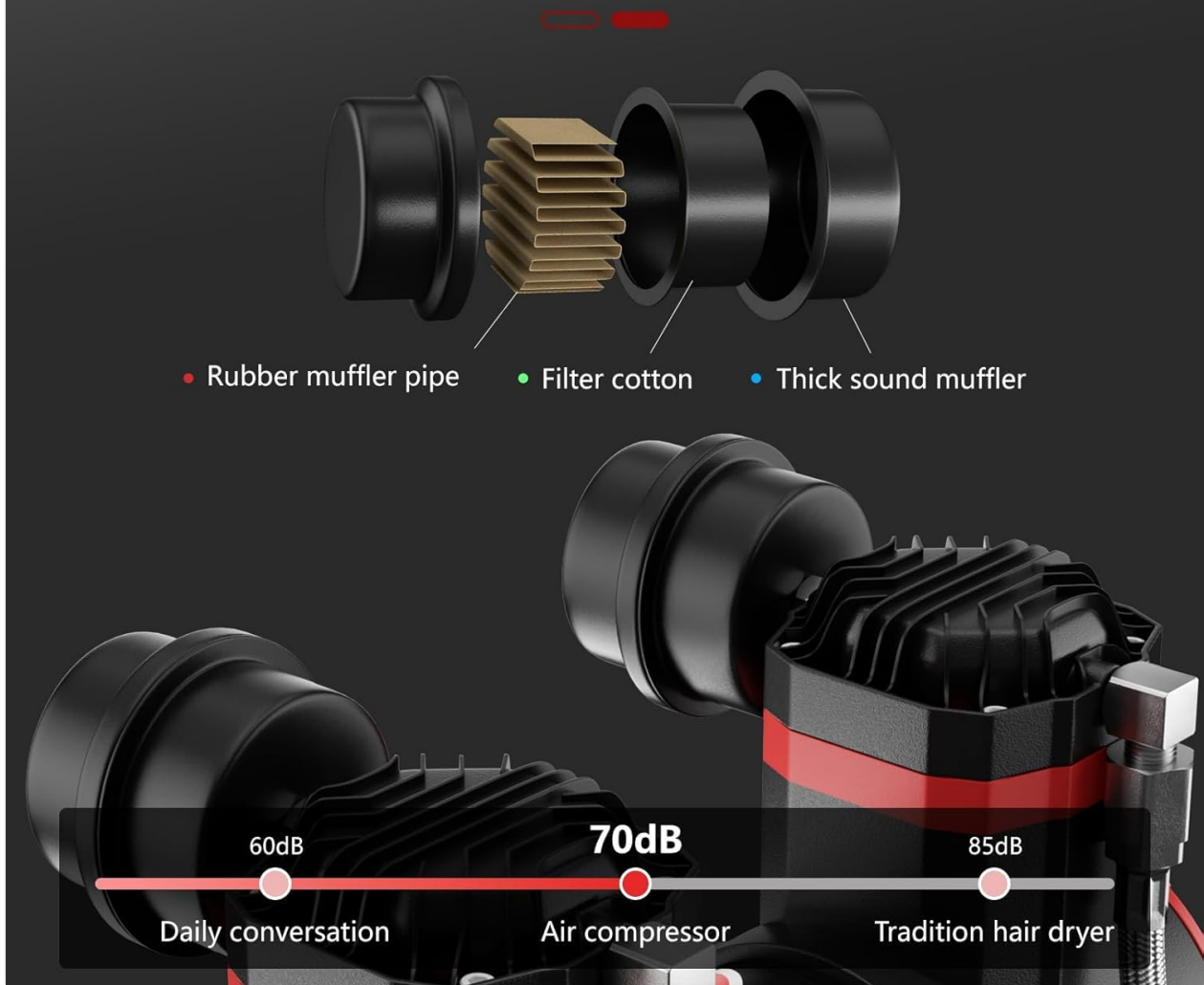


Image 6: Diagram illustrating the components contributing to the 70dB low noise operation, including rubber muffler pipe, filter cotton, and thick sound muffler, making it quieter than traditional hair dryers.

The Nessxa 14 Gallon Air Compressor is suitable for a variety of tasks:

# SMALL AND LIGHT JUST **69.6 LBS**



<b>Voltage:</b> 110V/60Hz	<b>Noise Level:</b> 70dB
<b>Tank capacity:</b> 14 Gallon	<b>Working Pressure:</b> 87-116PSI/6-8BAR
<b>Flow Rate:</b> 248L/MIN	<b>Working Temperature:</b> -60°F-110°F
<b>Power:</b> 2HP	<b>Max.Bearing Pressure:</b> 3.5 MPA
<b>Motor speed:</b> 3450RPM	<b>Protection Temperature:</b> 135°C/275°F
<b>Motor Type:</b> Oil-free Motor	<b>Weight:</b> 31.6KG/69.6lbs

Image 7: Examples of common applications for the 14 Gallon air compressor, including tire inflation, auto repair, woodworking nailing, and spray painting.

## 6. Maintenance

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

- **Drain Tank Daily:** Open the drain valve at the bottom of the tank after each use to release any accumulated moisture. This prevents rust and extends tank life.
- **Air Filter Inspection:** Periodically inspect the air filters for dirt and debris. Clean or replace them as needed to ensure efficient air intake.
- **General Cleaning:** Keep the compressor clean and free of dust and debris. Use a dry cloth to wipe down surfaces.
- **Oil-Free Design:** This compressor features an oil-free motor, eliminating the need for oil changes or lubrication.

## 7. Troubleshooting

Refer to the following common issues and solutions before contacting customer support.

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Compressor does not start.	No power, power switch off, or thermal overload.	Check power connection. Ensure switch is ON. If motor is hot, allow to cool down; automatic overheating protection may have activated.
Compressor runs continuously or frequently.	Air leak in system, excessive air consumption, or pressure switch malfunction.	Check all connections for leaks. Ensure air tools are not consuming more air than the compressor can supply. If issue persists, contact support.
Low air pressure at outlet.	Regulator set too low, air leak, or clogged air filter.	Adjust the pressure regulator. Check for leaks. Inspect and clean/replace air filter.
Excessive noise or vibration.	Loose components, worn parts, or unit not on a level surface.	Check for and tighten any loose bolts or screws. Ensure the compressor is on a stable, level surface.

## 8. Specifications

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Key technical specifications for the Nessxa 14 Gallon Ultra Quiet Air Compressor.

# 14 GALLON AIR COMPRESSOR

Be in control of any situation



Image 8: Visual representation of the compressor's dimensions and a summary of its key specifications.

Feature	Specification
Brand	Nessxa
Model Name	Ultra Quiet Air Compressor
Capacity	14 Gallons
Motor Horsepower	2 HP
Air Flow Capacity	8.75 CFM
Maximum Operating Pressure	115 PSI (8 Bars)
Noise Level	70 dB
Voltage	110V/60Hz
Motor Speed	3450 RPM
Motor Type	Oil-Free
Item Weight	59.9 Pounds (31.6 kg)
Package Dimensions	30.5 x 18.5 x 18 inches
Special Features	Oil Free, Portable, Pressure Detection, Automatic Overheating Protection

## 9. Warranty and Support

For warranty information or technical support, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.

For further assistance, please refer to the contact information provided at the point of purchase or on the official Nessxa website.