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› EIMSOAH 3/8 Inch Pneumatic Air Ratchet Wrench User Manual

## EIMSOAH EIMSOAHbovhimg8ue-02

# EIMSOAH 3/8 Inch Pneumatic Air Ratchet Wrench User Manual

Model: EIMSOAHbovhimg8ue-02

## INTRODUCTION

Thank you for choosing the EIMSOAH 3/8 Inch Pneumatic Air Ratchet Wrench. This tool is designed for efficient tightening and loosening of bolts and nuts, particularly in confined spaces. It is suitable for various applications including shipbuilding, machinery manufacturing, and automotive maintenance. Please read this manual thoroughly before operation to ensure safe and effective use.





Image: EIMSOAH 3/8 Inch Pneumatic Air Ratchet Wrench, showing its compact design.

## SAFETY INFORMATION

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**WARNING:** Always follow basic safety precautions when using pneumatic tools to reduce the risk of personal injury.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Ensure the air supply is disconnected before changing accessories, performing maintenance, or when the tool is not in use.
- Maintain a secure grip on the tool and be aware of potential kickback.
- Do not exceed the maximum recommended air pressure of 90 psi.
- Keep work area clean and well-lit. Cluttered or dark areas invite accidents.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Never point the tool at yourself or others.
- Use only clean, dry, regulated compressed air.

## PRODUCT OVERVIEW

The EIMSOAH Air Ratchet Wrench is a robust tool designed for various fastening tasks.

### Components:

- 3/8 inch Square Drive Head: For attaching sockets.
- Lever Control: For activating the tool and adjusting speed.
- Air Inlet Connection: For connecting to an air hose.
- Forward/Reverse Switch: To change rotation direction.

### Package Contents:

- 1 x Pneumatic Air Ratchet Wrench
- 1 x 1/4 Inch Inlet Connection (Japanese standard)



Image: The air ratchet wrench shown with the included 1/4 inch air inlet connection.

## SPECIFICATIONS

| Feature      | Specification        |
|--------------|----------------------|
| Model Number | EIMSOAHbovhimg8ue-02 |

| Feature                  | Specification                                   |
|--------------------------|-------------------------------------------------|
| Drive Size               | 3/8 inch Square Drive                           |
| Material                 | Aluminum alloy, Iron, Steel                     |
| Weight                   | Approx. 450g (15.9oz)                           |
| No-Load Speed            | 300 rpm                                         |
| Gas Consumption          | 3.0 cfm                                         |
| Maximum Torque           | 16 ft-lbs                                       |
| Air Inlet Connection     | 1/4 inch (Japanese standard connector included) |
| Recommended Air Pressure | 90 psi                                          |
| Rotation                 | Positive and Negative (Forward/Reverse)         |
| Overall Length           | Approx. 16cm (6.3 inches)                       |



16cm / 6.3in

## SETUP

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### 1. Air Supply Connection:

- Ensure your air compressor is off and the air line is depressurized.
- Apply thread sealant tape to the threads of the included 1/4 inch air inlet connection.
- Screw the 1/4 inch air inlet connection firmly into the air inlet port at the base of the ratchet wrench.
- Connect your air hose (with a quick-connect coupler) to the air inlet connection on the tool.
- Set your air compressor regulator to a maximum of 90 psi.

### 2. Socket Attachment:

- Select the appropriate 3/8 inch drive socket for your fastener.
- Push the socket firmly onto the square drive head of the ratchet wrench until it locks into place.



Image: Close-up view of the air inlet connection point on the pneumatic ratchet wrench.

## OPERATING INSTRUCTIONS

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### 1. Direction Selection:

- Locate the forward/reverse switch near the drive head.
- Move the switch to the desired direction for tightening (clockwise) or loosening (counter-clockwise).

### 2. Tool Activation:

- Place the socket onto the fastener.
- Press the lever control to activate the tool. The speed can be varied by the amount of pressure applied to the lever.
- Release the lever to stop the tool.

### 3. Torque Application:

- The tool provides a maximum torque of 16 ft-lbs. For critical applications requiring precise torque, always use a calibrated torque wrench for final tightening.

## MAINTENANCE

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

- **Daily Oiling:** Apply a few drops of pneumatic tool oil into the air inlet before each use. This lubricates internal components and prevents corrosion.
- **Cleaning:** Keep the tool clean and free from dirt and debris. Wipe down the exterior with a clean cloth.
- **Air Filter:** Ensure your air compressor has a functioning air filter to prevent moisture and contaminants from entering the tool.
- **Storage:** Store the tool in a dry, clean environment when not in use.





Image: The pneumatic air ratchet wrench showing the "OIL DAILY" marking, indicating the importance of regular lubrication.

## TROUBLESHOOTING

| Problem                                   | Possible Cause                                                 | Solution                                                                                            |
|-------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Tool does not operate or operates weakly. | Low air pressure; insufficient lubrication; clogged air inlet. | Check air compressor pressure (ensure 90 psi); add pneumatic tool oil; inspect and clean air inlet. |
| Air leakage from tool.                    | Loose connections; worn O-rings/seals.                         | Tighten all air connections; if leakage persists, contact customer support for seal replacement.    |
| Excessive vibration or noise.             | Lack of lubrication; internal wear or damage.                  | Ensure daily oiling; if problem continues, discontinue use and contact customer support.            |

## WARRANTY AND SUPPORT

For warranty information or technical support regarding your EIMSOAH 3/8 Inch Pneumatic Air Ratchet Wrench, please refer to the purchase documentation or contact the seller directly. Keep your proof of purchase for any warranty claims.

**Manufacturer:** EIMSOAH



