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> Ingersoll Rand 36QMAX 1/2-inch Air Impact Wrench User Manual

Ingersoll Rand 36QMAX

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Model: 36QMAX

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Ingersoll Rand 36QMAX 1/2-inch Air Impact Wrench. Please read this manual thoroughly before using the tool.

The Ingersoll Rand 36QMAX is an ultra-compact 1/2-inch air impact wrench designed for heavy-duty assembly and disassembly applications, suspension work, and industrial equipment repair. It features a twin hammer design, quiet technology, and a lightweight yet durable construction.



Image: The Ingersoll Rand 36QMAX 1/2-inch Air Impact Wrench, showcasing its compact design and grey finish.

SAFETY INFORMATION

WARNING: Read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in serious injury.

General Safety Rules

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including eye protection (safety glasses or goggles), hearing protection, and gloves. Do not overreach. Maintain proper footing and balance at all times.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the air supply before making any adjustments, changing accessories, or storing the tool.
- **Air Supply:** Ensure the air supply pressure does not exceed the maximum recommended pressure for the tool. Use clean, dry, regulated compressed air.
- **Maintenance:** Maintain tools with care. Keep cutting tools sharp and clean. Follow instructions for lubricating and changing accessories.

PRODUCT FEATURES

- **High Performance:** Delivers up to 650 ft-lbs of nut-busting torque for demanding tasks.
- **Compact and Lightweight:** Weighs approximately 2.4 lbs, offering an optimal power-to-weight ratio and reducing user fatigue.
- **Durable Construction:** Engineered with a titanium hammer case and rugged composite housing for extended tool life in harsh working environments.
- **Adjustable Control:** Features a 3-mode power regulator for precise torque output adjustment and a one-handed forward/reverse push-button mechanism for easy direction changes.
- **Quiet Technology:** Designed to operate with reduced noise levels.

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AIR IMPACT WRENCH

Weighs only 2.4 lbs yet still delivers
640 ft-lbs of nut-busting torque

**36QMAX
1/2" AIR IMPACT WRENCH**

Image: The Ingersoll Rand 36QMAX impact wrench, illustrating its lightweight design at 2.4 lbs and powerful 640 ft-lbs nut-busting torque capability.



COMPACT DESIGN

Allows users to access hard-to-reach areas, even if the task is up, under, over, or around any awaiting obstruction

Image: The Ingersoll Rand 36QMAX impact wrench, emphasizing its compact design for accessing confined spaces.

SPECIFICATIONS

Attribute	Value
Model Number	36QMAX
Drive Size	1/2 inch
Maximum Nut-Busting Torque	Up to 650 ft-lbs
Maximum Working Torque	470 ft-lbs
Weight	2.4 lbs
Length	9 Inches
Material	Titanium (hammer case), Composite (housing)
Sound Level	87.6 Decibels
Power Source	Air Powered

SETUP

Connecting to Air Supply

1. Ensure the air compressor is off and the air line is depressurized.
2. Apply a few drops of air tool oil into the air inlet of the impact wrench.
3. Attach an appropriate air fitting (not included) to the tool's air inlet.
4. Connect the air hose from your compressor to the air fitting on the tool.
5. Turn on the air compressor and adjust the regulator to the recommended operating pressure (typically 90 PSI).

Attaching Sockets

To attach a socket, align the square drive of the socket with the anvil of the impact wrench and push firmly until it locks into place. To remove, pull the socket off the anvil.



Image: The Ingersoll Rand 36QMAX impact wrench with a socket attached to its 1/2-inch square drive, demonstrating readiness for operation.

OPERATION

Forward/Reverse Control

The Ingersoll Rand 36QMAX features a one-handed forward/reverse push-button mechanism. Press the button on one side for forward rotation (tightening) and the other side for reverse rotation (loosening).



MAX CONTROL & PERFORMANCE

Features a one-handed forward/reverse push button and a 3-mode power regulator

Image: A detailed view of the Ingersoll Rand 36QMAX impact wrench, highlighting the red forward/reverse push-button and the 3-mode power regulator for precise control.

Power Regulator

The tool is equipped with a 3-mode power regulator. This allows you to adjust the torque output to suit the specific application. Rotate the regulator dial to select the desired power setting. Start with a lower setting for sensitive applications and increase as needed.

Using the Impact Wrench

1. Ensure the correct socket is securely attached to the anvil.
2. Position the socket firmly onto the fastener (nut or bolt).
3. Select the desired direction (forward for tightening, reverse for loosening) using the push-button control.
4. Select an appropriate power setting using the power regulator.
5. Depress the trigger to operate the tool. Apply steady pressure to keep the socket engaged with the fastener.
6. Release the trigger to stop the tool.



DURABLE RELIABILITY

Made of high-quality materials to withstand repeated drops, tough environments, and harsh chemicals

Image: An Ingersoll Rand 36QMAX impact wrench being used by a gloved hand to work on an engine component, demonstrating its application in automotive repair.

MAINTENANCE

Lubrication

Regular lubrication is crucial for the longevity and performance of your air impact wrench. Apply a few drops of air tool oil into the air inlet before each use or after every hour of continuous operation. This lubricates the internal motor components.

Air Line Filter/Lubricator

It is recommended to use an air line filter/lubricator system to ensure clean, lubricated air reaches the tool. This prevents moisture and debris from entering the tool and provides consistent lubrication.

Cleaning

Keep the tool clean and free from debris. Wipe down the exterior with a clean cloth. Do not use harsh solvents that could damage the composite housing.

Storage

When not in use, disconnect the tool from the air supply. Store the impact wrench in a clean, dry place,

away from excessive moisture and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not operate or operates weakly.	Low air pressure; Insufficient air supply; Lack of lubrication; Clogged air inlet filter; Worn internal parts.	Check air compressor pressure and regulator setting (ensure 90 PSI). Verify air hose diameter and length are adequate. Add air tool oil. Clean or replace air inlet filter. Contact authorized service center for inspection.
Air leaks from tool.	Loose fittings; Damaged O-rings or seals; Internal damage.	Tighten all air fittings. Inspect and replace damaged O-rings or seals. Contact authorized service center.
Reduced power or intermittent operation.	Lack of lubrication; Moisture in air line; Incorrect power regulator setting.	Lubricate tool. Drain moisture from air compressor tank and air lines; use an air line filter/dryer. Adjust power regulator to a higher setting.

WARRANTY AND SUPPORT

The Ingersoll Rand 36QMAX 1/2-inch Air Impact Wrench is backed by **two-year limited warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please contact Ingersoll Rand customer service or an authorized service center. Keep your purchase receipt as proof of purchase.

For more information, visit the official Ingersoll Rand website: www.ingersollrand.com