

# Ingersoll Rand Motor Reman

Ingersoll Rand is a Global manufacturer with extensive expertise in the design, production, and maintenance of air compressors. Renowned for its innovative product range, exceptional service, and reliability, the company has earned strong customer recognition. In the field of air compressor remanufacturing and overhaul, Ingersoll Rand offers professional workshops, advanced technology, precise craftsmanship, and rigorous quality control. Its comprehensive overhaul solutions and diverse service offerings address the evolving needs of customers, ensuring optimal efficiency and value in air compressor operations.

The Ingersoll Rand Remanufacturing Program, guided by sustainable development principles, revitalizes existing equipment through specialized processes that transform old machinery into renewed systems. This approach promotes energy efficiency, environmental conservation, and extends equipment lifecycle, delivering both economic and ecological benefits.

## Why is it crucial to overhaul air compressors?

As compressors operate under high temperature and high load for extensive periods, its performance may deteriorate along with the increase in service life due to mechanical wear, corrosion, ageing and improper maintenance and other reasons. Periodic overhauls helps to eliminate these potential risks and restore good compressor performance.

### Signs of Deteriorating Performance

- Reduced efficiency & air capacity
- High vibration & noise
- Aged components with a high failure rate
- High-temperature alarm cannot be solved via onsite repair
- Frequent shutdowns, discontinuous gas supply

### Benefits of Timely Overhauls

- Higher efficiency & lower unit energy consumption
- Improved reliability and safety
- Minimize unplanned downtime
- Reduced repair cost
- Resolving complex technical issues

## Business Scope

Ingersoll Rand offers two business models tailored to customer needs: **energy saving motor exchange** and **localized motor overhaul**. These include original factory exchange/upgrade with IE3/IE4 motors, regular motor maintenance and motor rewinding for damaged windings. These solutions are designed to meet various customer requirements. A 12-month warranty is provided to alleviate any concerns for customers.

### Motor Reman

1. Exchange
  - Exchange with IE3 motor
  - Exchange with IE4 motor
2. Localized Overhaul
  - Motor regular maintenance (including bearing exchange)
  - Rewind repair for motors with damaged windings



## Ingersoll Rand Superiority of Motor Reman and Service Business

- Maintenance qualification, professional training, proficient skills
- Possesses a comprehensive quality and management system
- Genuine IR spare parts and bearings
- Detailed and professional overhaul report
- 12-month warranty period
- Complete equipment and resources

## Motor Overhaul

Ingersoll Rand's motor overhaul service is designed to meet the needs of customers. We categorize the overhaul services into regular maintenance and repair and rewinding repair based on whether the motor windings are damaged. This process eliminates the need for secondary confirmation with the customer after the motor is returned to the factory. All motor overhaul services include the exchange of original SKF bearings.

### ■ Professional Repair Facilities

- Customized overhaul tools and stations
- Professional repair & inspection equipment

### ■ Unparalleled Service Quality

- Quick on-site service
- Professional overhaul service for almost 1,000 customers every year in APAC

### ■ Professional Inspection

- Professional onsite testing tools
- Detailed and professional inspection report after overhaul

### ■ High Reliability

- Scheduled unit Reman for more elaborate work
- Professional genuine repair & inspection warranty for the unit to meet all operational requirements



## Energy Saving Motor Exchange

For customers without backup equipment on-site or those who need to exchange old equipment with new ones, Ingersoll Rand offers energy saving motor exchange solutions applicable to various models for your selection. The simple operation process and zero-waiting delivery cycle can quickly resolve on-site issues for you, saving you costs and creating value!

### ■ Original Factory Production and Manufacturing

- Ensure ideal matching with air compressors

### ■ Reduced Lead Time

- Shorter exchange period for less downtime loss of customers

### ■ Reduced Operational Cost

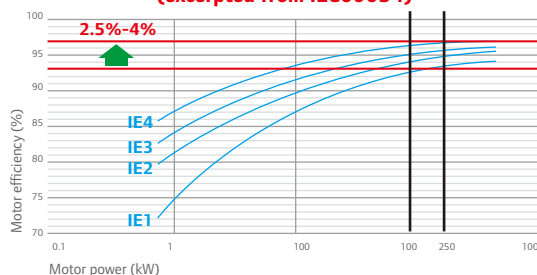
- Greatly reduced operational cost for customers to wait
- Reduced unit operational risks and cost of customers due to high reliability

### ■ Convenient On-site Exchange

- The energy saving motor includes an on-site installation accessory kit



Efficiency curves of motors with different IE ratings (excerpted from IEC60034)



### Existing standard energy saving motors\*

Model	Motor energy efficiency
M45-75	IE3
M90-160	IE3/IE4
M200-250	IE3/IE4
S37-150	IE3/IE4
RS90-250	IE4
GDK90-160	IE4
GDK220/RM220i	IE4

\*For other energy saving motor needs, non-standard inquiries are welcomed



Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to Making Life Better for our employees, customers, shareholders, and planet. Customers lean on us for exceptional performance and durability in mission-critical flow creation and industrial solutions. Supported by over 80+ respected brands, our products and services excel in very complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity, and efficiency. For more information, visit [www.IRCO.com](http://www.IRCO.com).



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