Reciprocating Single- and Two-Stage Air Compressors

2-25 hp

Innovation
Reliability
Efficiency
For more than a century, Ingersoll Rand has inspired progress by driving innovation through revolutionary technology and talented people.

It’s a legacy of creating new standards for how the world gets work done. We’re the technology leader in compressed air not only because we develop best-in-class products, but also because we stand behind our customers in all aspects of what we do. No matter what your product, process or location, Ingersoll Rand has the expertise, the technology and the unmatched service to meet your needs.
Providing Customer-driven Compressor Solutions

When you’ve been delivering reliable reciprocating compressor results for more than 100 years, it’s natural that your corporate culture supports a strong tradition of evolutionary enhancements. Every new generation of employees builds on the experience and insights of their mentors. Today’s legendary Ingersoll Rand air compressors started with an original rock-solid design and have steadily improved with added control and performance upgrades over the years.

They are world-renowned for their impressive legacy of long-life performance, ease of service and evolutionary design enhancements.

**Powerful. Durable. Reliable. Built to last.**

Ingersoll Rand has sold more than five million reciprocating compressors worldwide.
Time-tested design and enhancements establish Ingersoll Rand single- and two-stage reciprocating compressors as the benchmark for:


With a proven design and stellar track record, the Ingersoll Rand reciprocating compressor family has earned worldwide recognition for reliable, trustworthy performance that saves money and enhances business success through:

- Lower life-cycle costs
- An ability to thrive in punishing applications
- Optimum solutions for greater efficiency
- Configurations that meet varying needs

**Some Things Never Change**

Due to the laws of physics, there are certain aspects of reciprocating compressor design, construction and performance that have never changed – like cast-iron durability, copper-finned cooling coils, reliable lubrication and easy maintenance. That’s where Ingersoll Rand design and operating experience really pays off in terms of long-term productivity and return on investment. Ask any one of the millions of active Ingersoll Rand reciprocating compressor users around the world.

**Other Things Are Easy to Change**

Ingersoll Rand designed the reciprocating compressors to last a lifetime – thanks to quick, easy maintenance with renewable components. Easy access to the pump components allows for routine maintenance and replacement of parts like the individually cast cylinders, piston wear-sleeves and the 15,000-hour bearings. Easy component replacement lets you amortize your initial capital cost over a much longer equipment life span for a superior payback in your investment.
Maintaining That Leading Edge

For eight decades, Ingersoll Rand has maintained the delicate balance between known performance and new developments by keeping the best features and upgrading others as new technology becomes available. The result is higher efficiency for today’s energy-conscious world and enhanced value for the extended life of your investment.

More Good Options Make for An Ideal Fit

Another residual benefit of compressor longevity is our cumulative experience with how different users prefer, need and operate their compressors. Years of experience in the reciprocating compressor business and servicing a variety of users have taught us what is most important to compressor users. And that means more choices for you to satisfy your specific needs.

Your choices range from the size of the units and the sophistication of the features to popular packaged solutions. There are even gas-powered packages perfect for field service, fleet maintenance, remote pneumatic applications or emergency back-up needs.

The Ideal Design for Applications Where Air is Taken for Granted

Ingersoll Rand single- and two-stage reciprocating air compressors are an ideal choice for applications that demand a reliable air supply for everyday use, but where running an air compressor ranks a distant second to running your business.

- Automotive Shops
- Light Manufacturing
- Processing Lines
- Fabrication
- Construction
- Pneumatic Equipment
- Commercial Applications
It’s All About Choices

Better choices lead to better solutions for saving money and improving overall return on investment in your unique application.

That’s why Ingersoll Rand single- and two-stage reciprocating compressors offer you more choices of compressor sizes and compressor features to suit your needs. If you define unsurpassed performance by maximum operating pressure, increased air flow and extended duty cycles, count on an Ingersoll Rand reciprocating air compressor to deliver it reliably.

Take advantage of Ingersoll Rand expertise, product selection, service and system solutions to help you identify the optimum compressor size, performance features and package options for your applications. And learn how you can strengthen your business through:

- Lower operating costs
- Increased productivity
- Improved quality
- A better working environment

**Single-stage Compressor Features**

Configured in space-saving stationary and portable models, these durable compressors are a favorite with DIY homeowners and in the construction industry.

- An industry-leading 5,000-8,000 hour design life
- Industrial-quality cast iron construction
- A reliable high-speed valve design
- A fully-balanced crankshaft that reduces vibration
- Heavy-duty air sled models are ideal for rentals

**Two-stage Gas-powered Air Compressors**

Ingersoll Rand’s two-stage gasoline engine driven air compressors are designed to provide compressed air where electric power is not readily available. They’re used in fleet and field service applications, remote pneumatic applications and emergency production lines.

- Available with easy-starting Honda, or Kohler engines
- Fuel-efficient idle control
- Advanced safety features including low oil level shutdown for gas engines
Why Ingersoll Rand Pumps Are Better...
Excellence in Design!

Basic/Value Package Features
The most economical choice in a dependable compressed air source, the base package offers the perfect solution for commercial, automotive and light industrial applications with intermittent load demands:

- Durable 100% cast iron construction pump rated for 15,000+ hours
- Automatic start/stop pressure switch operation
- Oil sight glass
- Manual tank drain
- Intermittent duty cycle

Fully Packaged Features
For applications that demand a heavier duty cycle or greater control, step up to an enhanced version of our base solution that is fully packaged for improved air quality and safety in round-the-clock applications and includes:

- Extended duty cycle
- Low oil level switch
- Air-cooled aftercooler
- Electric drain
- Vibration isolators (available with purchase of installation kit)

- Centrifugal unloader (in the 10-25 hp (7.5-18.65 Kw) range)
- Heavy-duty two-stage inlet filters (in the 20-25 hp (14.9-18.65 Kw) range)
- Centrifugal Unloader: Ensures loadless starts, for maximum starter protection
- Integral Fan Blade/Finned Copper Intercooler: Runs cooler, even in the most demanding conditions
- Overhung Crankshaft: Precision balanced to run smoothly and quietly; simplifies maintenance and wear-sleeve replacement
- Splash Lubrication: Simple and reliable.
- 100% Cast Iron: Designed for a lifetime
1. Select Your Compressor

Stationary or Portable Design
- 2-stage Air Compressor, NEMA 1, ODP Motor, ASME Coded Air Receiver
- Mounted Motor Starter
- Oil Sight Glass
- Low Oil Level Switch
  Extends pump life by preventing operation if oil level is too low
- Electric Drain
  Automatically drains water from tank
- Air-cooled Aftercooler
  Removes 60% of water from air lines

2. Choose Your Air Quality

Ingersoll Rand compressed air treatment equipment is used to remove contaminants present in a compressed air system.

Shop Quality Air
General system protection removes bulk liquid and solid contaminants:
- Light manufacturing
- Light auto service shop
- Pneumatic tools
- Dry cleaning

Dry, Clean Air
Complete system protection removes liquid and solid contaminants:
- Medium-to-heavy manufacturing
- Large auto service shop
- Auto body shop
- Printing
- Laundry
- Instrumentation

Critical Quality Air
Applications that require virtually no water vapor or contaminates:
- Advanced pneumatics and instrumentation
- Spray application booths
- Piping exposed to freezing temperatures

G - General Purpose  H - High Efficiency  D - Dust Protection
3. Select Your System
Controls and Accessories

Ingersoll Rand accessories are available for all power sources.

**PacE™ Controller**
- Energy savings
- Control pressure ± 1 psig (.07 barg)
- Single point control system

**EZ-line SimplAir Compressed Air Piping**
- High-quality anodized aluminum pipe
- Non-corrosive piping
- Reduced pressure loss
- Higher flow rates than other piping
- Easy and fast installation

**EDV Electric Condensate Drain**
- Automatically removes moisture from tanks, compressors, filters, drip legs

**Oil Water Separators**
- Removes oil from drain condensate
- Allows for clean water discharge

**Filters, Regulators and Lubricators (FRLs)**
FRLs provide point-of-use air conditioning to enhance tool longevity and process quality. Filters remove rust, scale and condensation that increase wear on tools, regulators and provide constant pressure with varying upstream pressure. Lubricators provide lubricating oil to tools, cylinders, valves and other equipment.

**Hose Reels**
Our low pressure ultra duty hose reels come in two models:
- All steel construction with a durable powder coat finish
- Tough glass-filled composite reel combined with a steel base for excellent durability at a great value
Global Reach, Local Service

No matter what the industry or location, Ingersoll Rand is committed to serving you 24 hours a day, seven days a week. Our worldwide network of distributors, engineers and certified, factory-trained technicians, are a phone call away — ready to support you with innovative and cost-effective service solutions that will keep you running at peak performance.

Start-up Kits

Ingersoll Rand offers All Season Select® start-up kits to provide improved protection. Each kit contains all the parts needed to correctly start up and maintain your compressor for the first year. The start-up kits provide everything you need for 2,000 hours of service between change-outs under normal operating conditions, along with the added protection of a two-year extended warranty.

All start-up kits include:

- All Season Select® lubricant, our synthetic, all-temperature blend designed to increase efficiency, reduce wear and prevent carbon build-up
- Replacement air filter elements

Consult your local Ingersoll Rand representative for availability in your area.
### Specifications

#### Single-stage

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<thead>
<tr>
<th>Model</th>
<th>hp</th>
<th>Tank Size/Configuration</th>
<th>Capacity (cfm) @ 90 psig</th>
<th>Max Pressure (psig)</th>
<th>Dimensions (L x W x H in.)</th>
<th>Net Weight (lbs)</th>
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#### Basic/Value Package

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*Available voltages: 230/1/60 (5-7.5 hp only), 208/1/60 (2,475 5 hp), 200/3/60, 460/3/60

* Comes with air-cooled aftercooler and electric tank drain.

#### Fully Packaged

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*Available voltages: 230/1/60 (5-7.5 hp only), 208/1/60 (2,475 5 hp), 200/3/60, 230/3/60, 460/3/60

In addition to the above models, duplex and baseplate configurations as well as high pressure reciprocating compressors are available. Please contact your local Ingersoll Rand distributor for information.