



# Reciprocating Single- and Two-Stage Air Compressors

2-30 hp



# YOUR TRUSTED PARTNER IN COMPRESSED AIR

Staying ahead of your competition with advanced compressed air systems and services that boost productivity, lower operating expenses and extend equipment life is critical to your success.

No matter the industry or application, you can count on Ingersoll Rand® as a trusted partner for reciprocating compressed air technologies and services. By focusing on you and your business, we provide collaborative solutions that make you successful, offering a total systems approach to maximize efficiency and performance.

## Take a Systems Approach

Delivering reliable compressed air to your facility goes well beyond the compressor itself. Optimize total cost of ownership (TCO) through a systems approach that employs the best air compression technologies that delivers reliability for life—from design to decommissioning.

Your business will benefit from Ingersoll Rand's partnership through our extensive experience and global expertise to ensure reliability, lower maintenance costs, ease of serviceability and system optimization.

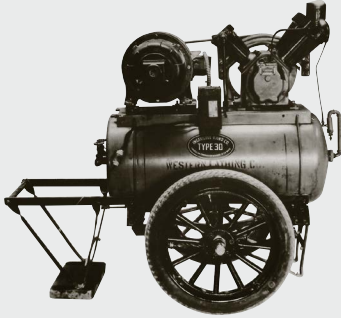


## Let's Get Started Together

Throughout the entire lifecycle, our systems approach helps you achieve the lowest operating cost.

# Reliable, Durable and Built to Last

Your compressed air system should give you more time to focus on your business, not less. That's why Ingersoll Rand single- and two-stage reciprocating air compressors are an ideal choice for applications that demand a reliable air supply for everyday use. Whether for vehicle services, commercial or industrial applications, we will assess and propose the most cost-effective solution that increases the productivity of your installation.



## Legendary Performance

For over 100 years, our reciprocating compressors have delivered rock-solid performance for the most demanding applications.

### For increased productivity

A proven design and stellar track record that helps to lower lifecycle costs in punishing environments.

### For durability

Cast iron construction and long-lasting components are designed for trouble-free use.

### For serviceability

Easy access to system components for quick routine maintenance and parts replacement helps extend compressor life.

### For solutions that work for you


Your choices include single-stage or two-stage compressors, gas engine or electric motors, portable or stationary models and specific accessory packages that best match your application.

# What Makes Our Reciprocating Compressors Unique?

Robust components, easy access for servicing, 100% continuous duty and a wide variety of sizes and configurations — that's Legendary Performance!

- A** Durable 100% cast iron design
- B** Easy to repair removable cylinders with 360° radial fins eliminate hot spots
- C** Finned copper intercooler lowers operating temperature, extends pump life, improves efficiency
- D** One-piece connecting rod with fewer wearing parts simplifies maintenance
- E** Precision-balanced overhung crankshaft runs smoothly and quietly
- F** Reliable stainless steel reed valves optimized for increased volumetric efficiency
- G** Low oil level switch provides constant protection from running at low oil condition
- H** Centrifugal unloader ensures loadless starts for maximum motor and starter protection
- I** Simple and reliable splash lubrication eliminates need for oil pump, inexpensive and easy to maintain



 See Our Entire Portfolio of Reciprocating Compressors



# AIR COMPRESSORS

Air compressors are a significant expense that is critical to the success of your operation. Choose durable and reliable Ingersoll Rand reciprocating compressors to maximize the life of your investment.

## It's All About Choices

We've developed a variety of reciprocating compressor options, from electric motor-driven stationary models for industrial and commercial use, to portable gas-powered units that can be used in locations without easy access to power.



### Single- and Two-Stage Splash-Lubricated Electric Compressors

Our reciprocating compressors offer you more performance and feature choices. With unsurpassed maximum operating pressure, increased air flow and extended duty cycles, you can count on an Ingersoll Rand reciprocating air compressor to deliver it reliably.

- Durable design, including cast iron construction and long-life pump
- 100% continuous duty, offering maximum power and flexibility
- Easy to access components simplify maintenance and service
- All Season Select synthetic lubricant provides 2,000 hours of service between changeouts, 4x longer than petroleum based lubricants

### Quiet-Enclosed Reciprocating Air Compressors, 5-15 hp

Our quiet-enclosed reciprocating air compressors offer industry-leading dBA levels (as low as 65 dBA) without sacrificing performance. Built to last, these compressors are engineered to improve your ROI.

- Enclosure delivers durable performance and vibration dampening via floating sub-base design
- Overhung crankshaft, weather resistant powder coating and cast-iron pump provide the durability you need
- 175 psi two-stage pump as well as 80- or 120-gallon ASME receiver tanks provide plenty of punch and versatility for your application
- 100% continuous duty, trouble-free clean air through a two-stage filtering process



Need Help? Use Our Online Air Compressor Assistant

### The Right Package for Your Two-Stage Electric Compressor

Let us help you identify the optimum compressor package option for your application:

Value Package (5-15 hp)	Value Plus Package (10-15 hp)	Premium Package (5-20 hp)
An economical choice for commercial, automotive and light industrial.	Adds an aftercooler and electronic drain valve to automatically remove condensate.	Also adds a low oil level switch and dual control for better air supply management.

## Portable Compressors

Sometimes you need a portable, easy to use air compressor when you are on the road or working in the field. Ingersoll Rand offers a variety of electric and gas-powered reciprocating air compressors that can be used anywhere — from the most rugged or remote job sites to your own garage.



### Electric-Powered Garage Mate

Designed for professionals and serious do-it-yourselfers, the versatile Garage Mate is ideal for the home, shop or job site. The Garage Mate features a cast-iron, oil-lubricated pump for solid, reliable performance.

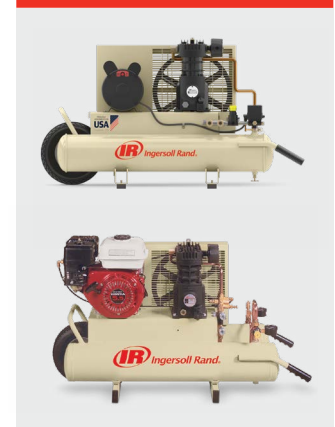
- Versatile compressor ideal for powering impact guns, ratchets, drills, nailers, paint sprayers, sanders and more
- Easy handling, featuring a heavy-duty ergonomic handle and semi-pneumatic tires
- User-friendly low 80 dBA noise level, easily accessible drain valve, automatic start/stop pressure switch control and six-foot power cord

See Our Entire Portfolio of Reciprocating Compressors

### Electric- and Gas-Powered Wheelbarrow

Ingersoll Rand wheelbarrow air compressors are lightweight with a low-profile design providing maximum maneuverability on the job site. Built to last, these compressors are designed for the toughest 100% continuous duty applications.

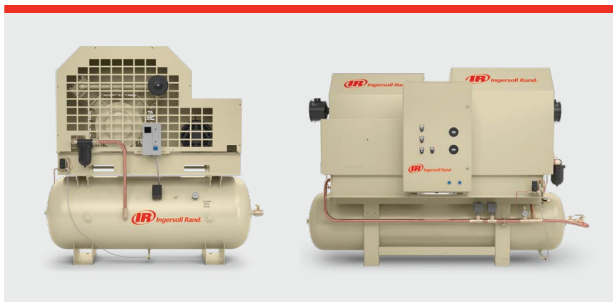
- Advanced safety features including manual thermal overload (electric models) and enclosed belt guard (all models)
- Lightweight, portable design with excellent maneuverability, even on the roughest terrain
- 100% continuous duty, twin 4-gallon tanks and two quick disconnect couplers enable you to run multiple tools simultaneously
- Reliable, easy starting 5.5 hp Honda or Kohler engine for gas-powered models



### Truck-Mounted Gas and Diesel Compressors

Ingersoll Rand's two-stage gasoline and diesel 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, Kohler or Yanmar engines
- Fuel-efficient idle control
- Advanced safety features including low oil level shutdown for gas engines



## Oil-Less Air Compressors, 1-15 hp

When your compressed air demands require the highest quality, choose Ingersoll Rand oil-less reciprocating air compressors. They are designed to meet your precise standards in air purity, while also providing the reliability and peace of mind you have come to expect when using one of our compressors. Simplex and duplex designs provide operation from 1-15 hp.

## When High Air Purity Is A Priority

Ingersoll Rand oil-less reciprocating air compressors combine 100% oil-less operation and a continuous duty cycle. The air compressor is designed with robust, long-lasting components that drastically reduce costly maintenance and provide lower total cost of ownership.

- High purity oil-free air using state-of-the-art sealed bearing technology ensures clean operation
- 100% continuous duty cycle enhances productivity and allows you to avoid the use of backup compressors
- Easy-to-access components for no hassle servicing and maintenance
- Maximum heat dissipation achieved through a large cooling fan with finned cylinders
- Durable design, including PTFE piston rings along with plated and hardened cast-iron cylinders that reduce wear and corrosion
- Eliminates the need for oil change outs saving on costly maintenance and downtime
- Robust components, including main bearings, that operate without oil for up to 20,000 hours



## High-Quality Air

Oil-less reciprocating air compressors are ideal for a variety of uses that require high purity, oil-free operation, as well as a duty cycle that provides continuous operation. This includes applications such as laboratories and pneumatic controls.



## Pressure Lubricated Compressors, 5-30 hp

- ✓ Heavy-duty operation
- ✓ Reliability in demanding work environments
- ✓ Low Maintenance

Sometimes your application calls for all three of these requirements and that's OK, because Ingersoll Rand has you covered. Our rugged and reliable pressure lubricated reciprocating air compressors provide smooth, low maintenance operation in even the most demanding industrial applications.



## Rugged and Reliable

Our compressors are designed to increase airflow and provide rapid cooling at various points throughout the compression process, ensuring reliability during the most critical time in your application. Innovative pressure lubrication technology ensures oil delivery to all necessary components while reducing friction and oil carryover. Our advanced precision machining techniques are used to meet exact tolerances to reduce wear and friction.

- Heavy-duty design including high pressure pistons and cylinders made from solid cast iron withstand extreme conditions and minimize distortion from the assembly torque
- Reliable operation achieved through a robust design ensures your compressor is available when you need it
- Reduced downtime because all moving components are machined, honed, balanced and assembled in our factory to ensure the highest level of quality and reliability
- Enhanced serviceability with easy access to all user maintainable components, reducing maintenance needs and ensuring increased uptime

**Heavy-Duty Air**  
Featuring a robust design, our pressure lubricated compressors are ideal for any industrial environment.

## High-Pressure Air Compressors, 10-20 hp

Our high-pressure air compressors feature base-mounted reciprocating technology that provides pressure as high as 5,000 psig. Typical applications include refueling stations, plastic blow molding, power plants and engine starting. Using the same durable construction found in all of our two-stage reciprocating compressors, the high-pressure units offer reliability, long-life and easy maintenance.



# AIR TREATMENT

Moisture and contamination in compressed air cause significant problems in equipment operation, such as rust, scale and clogged orifices that result in product damage or costly shutdowns. Making our air treatment equipment an integral component of your compressed air system will improve productivity, system efficiency and product or process quality.

## Modular Desiccant Dryers

Choose desiccant dryers when very low dew points are necessary for high-quality air and to prevent potential freeze-up.

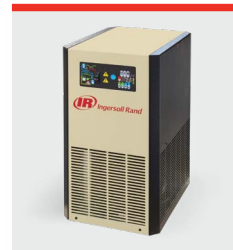
- Delivers high-quality air, ISO Class 2 or optional Class 1 pressure dew point
- Compact footprint and low noise operation (< 75 dBA), suitable for work environments
- High-strength desiccant and durable components provide extended life
- Low pressure drop design saves energy
- Advanced microprocessor control is easy to use and maximizes uptime



## Refrigerated Dryers

Cost-effective refrigerated dryers provide clean, dry air for most industrial applications. Cycling dryers maximize energy savings, while non-cycling dryers minimize initial cost.

- Dew points as low as 3°C (38°F), meeting Class 4 requirements
- Corrosion-free heat exchanger design for reliable operation
- Intuitive microprocessor control for easy operation
- Compact design for easy serviceability



### Minimize Contamination

F-Series filters will protect critical processes and valuable equipment by providing high-quality compressed air.

## F-Series In-Line Filters

F-Series advanced compressed air filters reduce contamination in your air stream to help protect critical processes and valuable equipment. Rigorously tested and engineered with superior components, F-Series filters will provide years of reliable performance and consistent high-quality air.

### F-Series Filter Features

- Patented dual indicator displays accurate pressure drop data
- Rugged aluminum design suitable for 80°C (176°F), 250 psig/17.2 barg applications
- Reliable filter element withstands high pressure and minimizes flow restriction
- Ergonomic bowl design with no-touch filter simplifies element replacement
- Proprietary media coating technology protects against corrosion

Find the Right Dryer for Your Application



A compressed air system is a significant investment. You expect consistently reliable, clean, dry air at the lowest possible operating cost. Choose our genuine parts and accessories to ensure that your compressor is running efficiently and productively.

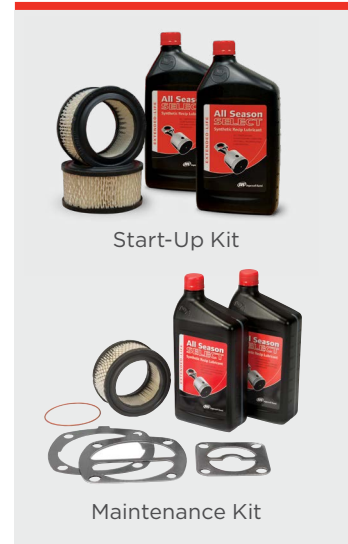
## Start-Up and Maintenance Kits

Designed specifically for Ingersoll Rand reciprocating air compressors, our start-up kits provide enough Ingersoll Rand All Season Select synthetic lubricant and air filter elements for two years of operation. By purchasing a start-up kit, you also receive the added protection of a two-year extended pump warranty.

Our genuine OEM maintenance kits are an integral part of factory recommended annual maintenance, and include the major consumable components replaced each year.

### Kit Features

- Designed specifically for Ingersoll Rand reciprocating air compressors
- Optimal compressor performance lowers operating costs
- Genuine OEM parts meet exact equipment specifications
- Reduced damage risk to expensive compressor components
- All inclusive kits to perform the required maintenance



See our Entire Portfolio of Genuine OEM Parts



### PacE Flow Controller

PacE effectively manages pressure to optimize compressor system operation, reducing energy costs.



### Filter, Regulator and Lubricators (FRLs)

FRLs provide point-of-use air conditioning to enhance tool longevity and process quality.



### Electronic Drain Valve (EDV)

The reliable, easy-to-use EDV automatically removes moisture from compressors and other system components.



### Installation Kits

Our genuine OEM kits include all necessary components to install your compressor correctly and efficiently.



### SimplAir® Piping System

Durable SimplAir Compressed Air Piping is your cost-effective, high performance installation alternative for air, inert gas and vacuum lines.



### Air Line Accessories

From hose reels to virtually any type of connection, we have the accessories to support your operation.



Reciprocating Compressor Performance									
Electric Model	Capacity @ Max psi, cfm	Max Pressure psig	Nominal Power hp	Dimensions l x w x h (in)	NPT Outlet in	Voltage	Tank Size/ Configuration	Weight lb	Package Options
<b>Garage Mate Portable Electric-Powered</b>									
P1.5IU - A9 - H	5.2	135	2	34 x 16 x 30	¼	115/1/60	20 Gallon Horizontal	200	n/a
P1.5IU - A9	5.2	135	2	22 x 23 x 43	¼	115/1/60	20 Gallon Vertical	200	n/a
<b>Wheelbarrow Portable Electric-Powered</b>									
SS3J2-WB	5.7	135	2	43 x 18 x 25	¼	115/1/60	8 Gallon Twin Tank	175	n/a
SS3J3-WB	11.3	135	3	43 x 18 x 25	¼	230/1/60	8 Gallon Twin Tank	175	n/a
<b>Single-Stage Electric-Powered</b>									
SS3L3	11.3	135	3	24 x 25 x 67	½	230/1/60	60 Gallon Vertical	300	n/a
SS5L5	18.1	135	5	24 x 30 x 73	½	230/1/60	60 Gallon Vertical	310	n/a
<b>Two-Stage Electric-Powered</b>									
2340N2	7.0	175	2	28 x 36 x 69	½	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	430	n/a
2340N3	9.2	175	3	28 x 36 x 69	½	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	430	n/a
2340N5	14.4	175	5	28 x 37 x 69	½	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	505	Value
2340L5	14.3	175	5	24 x 33 x 69	½	230/1/60 200, 230, 460, 575/3/60	60 Gallon Vertical	435	Value
2475N5	17.2	175	5	28 x 38 x 69	¾	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	597	Value, Premium
2475N7.5	24.3	175	7.5	28 x 38 x 69	¾	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	611	Value, Premium
2545N7.5	27.2	175	7.5	31 x 44 x 79	¾	230/1/60 200, 230, 460, 575/3/60	80 Gallon Vertical	750	n/a
2545K10	35.6	175	10	31 x 44 x 79	1	200, 230, 460, 575/3/60	120 Gallon Vertical	800	Value, Value Plus, Premium
2545E10	35.6	175	10	71 x 31 x 50	¾	200, 230, 460, 575/3/60	120 Gallon Horizontal	900	Value, Value Plus, Premium
7100E10	38.0	175	10	72 x 27 x 56	1	200, 230, 460, 575/3/60	120 Gallon Horizontal	1,035	n/a
7100E15	51.0	175	15	72 x 27 x 57	¾	200, 230, 460, 575/3/60	120 Gallon Horizontal	1,105	Value, Value Plus, Premium
15TE15	55.0	175	15	73 x 36 x 61	1	200, 230, 460, 575/3/60	120 Gallon horizontal	1,597	Premium
15TE20	74.0	175	20	73 x 36 x 61	1	200, 230, 460, 575/3/60	120 Gallon horizontal	1,597	Premium
2000E20	73.0	175	20	75 x 45 x 61	1	200, 230, 460, 575/3/60	120 Gallon Horizontal	2,050	n/a
2000E25	83.0	175	25	75 x 45 x 61	1	200, 230, 460, 575/3/60	120 Gallon Horizontal	2,050	n/a
<b>Quiet Enclosed Two-Stage Electric Powered</b>									
2475QD5	17.2	175	5	70.5 x 33.3 x 65.2	½	230/1/60 200, 230, 460, 575/3/60	80 Gallon Horizontal	1,210	n/a
2475QD7.5	24.3	175	7.5	70.5 x 33.3 x 65.2	½	230/1/60 200, 230, 460, 575/3/60	80 Gallon Horizontal	1,215	n/a
2545QE10	35.6	175	10	75.6 x 34.3 x 74.0	¾	200, 230, 460, 575/3/60	120 Gallon Horizontal	1,629	n/a
7100QE15	51.0	175	15	75.6 x 34.3 x 74.0	¾	200, 230, 460, 575/3/60	120 Gallon Horizontal	1,867	n/a
Engine Model	Capacity @ 90 psi, cfm	Max Pressure psig	Nominal Power hp	Dimensions l x w x h	NPT Outlet in	Engine	Tank Size/ Configuration	Weight lb	Package Options
<b>Wheelbarrow Portable Gas-Powered</b>									
SS3J5.5GH-WB	11.8	135	5.5	43 x 18 x 26	¼	Honda	8 Gallon Twin Tank	175	n/a
SS3J5.5GK-WB	11.8	135	5.5	43 x 18 x 26	¼	Kohler	8 Gallon Twin Tank	175	n/a
<b>Two-Stage Gas-Powered Truck Mount</b>									
2475X13GH	24.3	175	13	41 x 27 x 27	½	Honda	4 Gallon Baseplate	400	n/a
2475X14GH	24.3	175	14	41 x 27 x 27	½	Kohler	4 Gallon Baseplate	400	n/a
2475F13GH	24.3	175	13	45 x 55 x 41	½	Honda	30 Gallon Horizontal	469	n/a
2475F14G	24.3	175	14	45 x 22 x 41	½	Kohler	30 Gallon Horizontal	469	n/a
<b>Two-Stage Diesel-Powered Truck Mount</b>									
2475F10DY	22.9	175	10	45 x 20 x 41	½	Yanmar	30 Gallon Horizontal	535	n/a

### Reciprocating Compressor Performance

Electric Model	Max psi, cfm	Max Pressure psig	Nominal Power hp	Dimensions l x w x h (in)	NPT Outlet in	Voltage	Tank Size/Configuration	Weight lb	Package Options
<b>Oil-less Electric-Powered</b>									
MTOII-F1	2.7	100	1	42 x 25 x 38	½	115, 200, 230/1/60 200, 230, 460/3/60	30 Gallon Horizontal	203	n/a
MTOII-F3	9.4	100	3	42 x 25 x 41	½	115, 200, 230/1/60 200, 230, 460/3/60	30 Gallon Horizontal	435	n/a
MTOII-C5	15.6	100	5	52 x 27 x 47	½	200, 230/1/60 200, 230, 460/3/60	60 Gallon Horizontal	507	n/a
VTR-E7.5	21.2	175	8	72 x 39 x 69	1¼	200, 230/1/60 200, 230, 460/3/60	120 Gallon Horizontal	1,545	n/a
WTR-E10	35.4	175	10	72 x 38 x 69	1¼	200, 230, 460/3/60	120 Gallon Horizontal	1,570	n/a
WTR-E15	48.0	175	15	72 x 38 x 69	1¼	200, 230, 460/3/60	120 Gallon Horizontal	1,725	n/a
<b>Pressure Lubricated Electric-Powered</b>									
247PN5	19.1	175	5	38 x 25 x 74	¾	230/1/60 200, 230, 460/3/60	80 Gallon Vertical	685	n/a
247PD5	19.1	175	5	64 x 21 x 48	¾	230/1/60 200, 230, 460/3/60	80 Gallon Horizontal	685	n/a
247PN7.5	25.8	175	8	38 x 25 x 74	¾	230/1/60 200, 230, 460/3/60	80 Gallon Vertical	700	n/a
247PD7.5	25.8	175	8	64 x 21 x 48	¾	230/1/60 200, 230, 460/3/60	80 Gallon Horizontal	700	n/a
447PK10	36.5	175	10	52 x 30 x 74	¾	200, 230, 460/3/60	120 Gallon Vertical	900	n/a
447PE10	36.5	175	10	77 x 27 x 54	¾	200, 230, 460/3/60	120 Gallon Horizontal	900	n/a
447PE15	51.8	175	15	77 x 27 x 54	¾	200, 230, 460/3/60	120 Gallon Horizontal	1,070	n/a
447PA25	86.6	175	25	92 x 32 x 61	1¼	200, 230, 460/3/60	240 Gallon Horizontal	2,450	n/a
447PA30	99.3	175	30	92 x 32 x 61	1¼	200, 230, 460/3/60	240 Gallon Horizontal	2,550	n/a

In addition to the above models, duplex oil-less reciprocating compressors are available. Please contact your local Ingersoll Rand distributor for more information. Dimensions may vary based on package selection. Dimensions above are for reference only.

## Reciprocating Compressors for Your Application

Ingersoll Rand offers a wide portfolio of reliable reciprocating compressors that can be adapted to your specific requirements. Whether for vehicle services, commercial or industrial applications, we will assess and propose the most cost-effective solution that increases the productivity of your installation.



### Vehicle Services

Automotive repair, body shops, fleet maintenance



### Fabricating

Painting, cutting, sandblasting, finishing, material handling & welding



### Commercial

Dry cleaning, car washes, furniture making, apparel industry



### Construction

Powering impact guns, ratchets, grinders, drills, nailers, paint sprayers, sanders & more



### Woodworking

Sawing, clamping, hoisting, actuation & controls, pressure treatment



About Ingersoll Rand Inc.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most 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).

[IngersollRand.com](http://IngersollRand.com)



Member of Pneurop



Ingersoll Rand, IR, the IR logo and SimplAir are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners.

Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialized equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service.

Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request.

Product improvement is a continuing goal at Ingersoll Rand. Any designs, diagrams, pictures, photographs and specifications contained within this document are for representative purposes only and may include optional scope and/or functionality and are subject to change without notice or obligation.