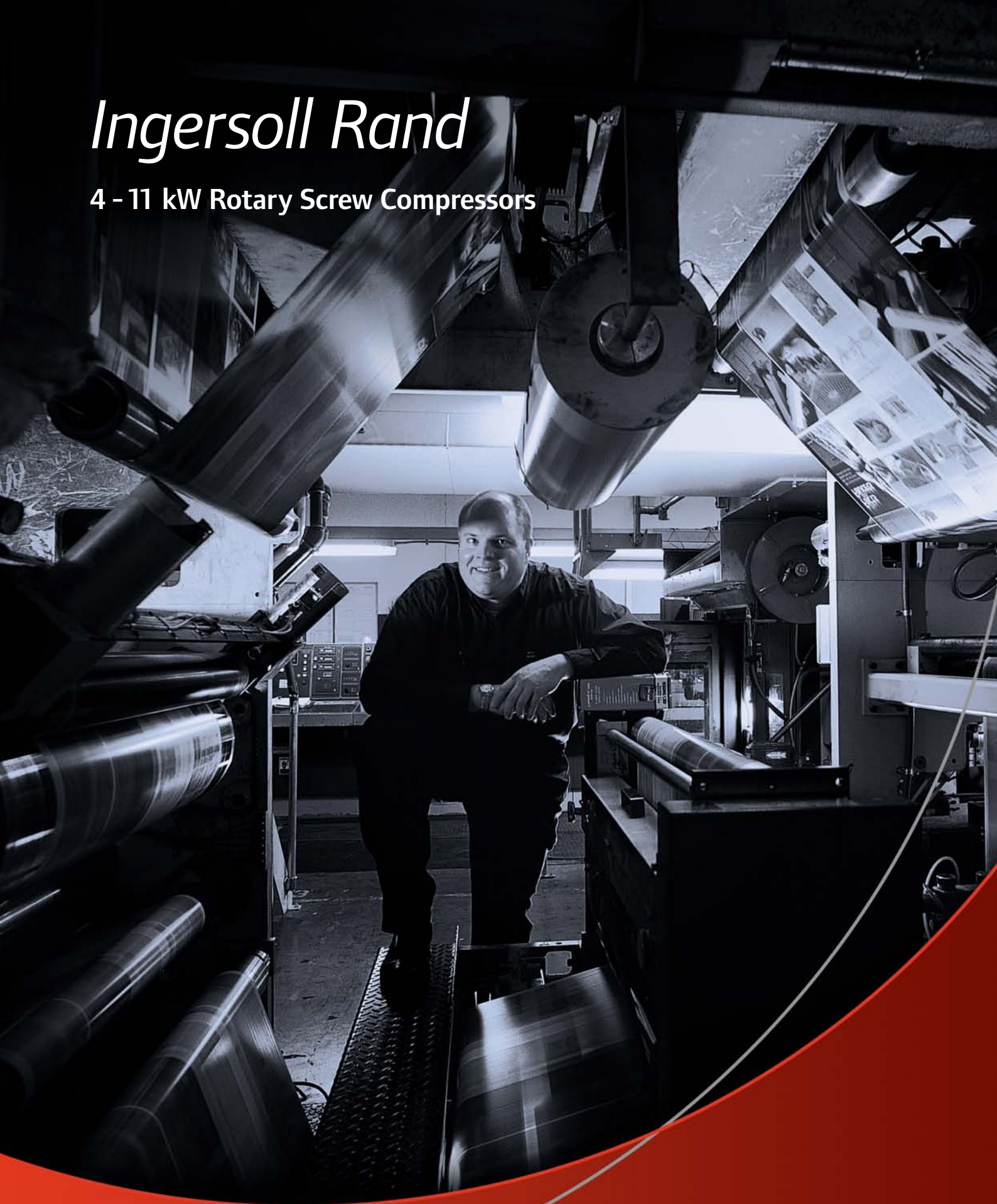


Ingersoll Rand

4 - 11 kW Rotary Screw Compressors



A new standard of performance

Boost your profitability. Boosting your company's profits was the main goal that Ingersoll Rand had in mind when we designed our revolutionary line of integrated rotary screw air solutions.

So how can a compressed air system help you increase profitability? The answer is really pretty simple, by ensuring that you achieve highest productivity in your shop while reducing the total costs of ownership to the absolute lowest levels.

This is more than an integrated air system, it's a complete air solution designed to maximise the key drivers of profitability in today's business:

- Uptime Reliability
- Shop Productivity
- Flexibility of Operation
- Energy Efficiency and Savings

Welcome to Ingersoll Rand Rotary Air Solutions, a new standard of performance.



Achieve highest productivity and lowest total cost of ownership



Exceptional value, real-world advantages

Ultimate reliability

■ Maximum uptime

Ingersoll Rand is so confident in the performance of these compressors, that we offer a choice of extended warranty packages designed to provide you with maximum operating security.

■ 70% fewer connections

Smart integration eliminates leaks and pressure drops ensuring maximum reliability.

Ultimate efficiency

■ More air for your money

Industry leading performance delivers more air for less kilowatts, saving energy all year round.

■ Smart, energy efficient controls

Eliminates wasteful unloaded running by cycling the compressor on / off.

Ultimate flexibility

■ Compact footprint design

Small footprint frees up valuable floor space and reduces install costs.

■ Installation close to point-of-use

Whisper quiet operation allows for installation closer to point-of-use, reducing costs and ensuring a better and safer work environment.

Ultimate productivity

■ Closely maintained pressure

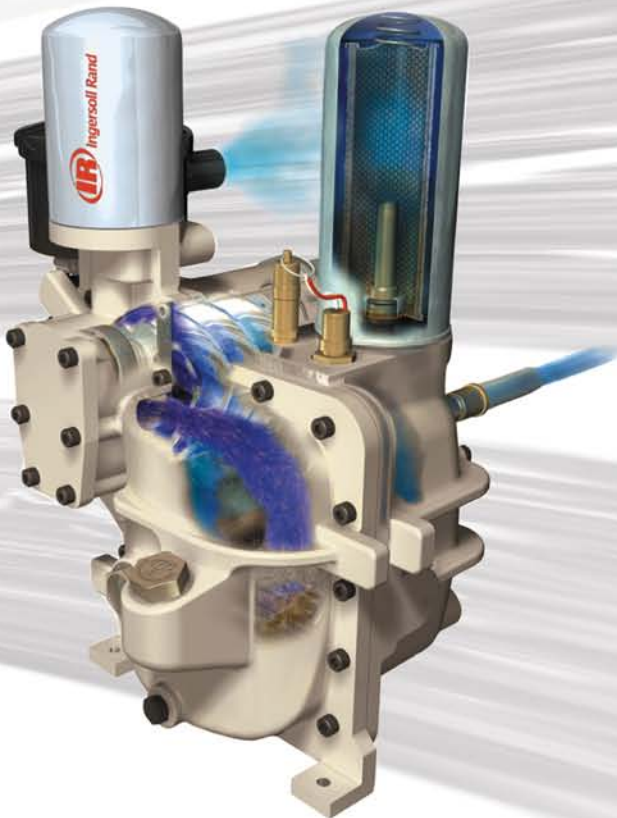
Closely maintained discharge pressure avoids excessive pressure bands and increases downstream tool and equipment life.



Innovation

■ High efficiency integrated compression module

To provide maximum performance, efficiency and ease of service, the airend, interconnecting piping and separation system have all been integrated into one simple design. Integration of the compression module eliminates leaks and pressure losses to increase efficiency and performance. Service and maintenance are made extremely easy through spin-on oil and separator cartridges.



Whisper quiet operation

Oversized, high efficiency motor mount blower. Sound levels as low as 65 dB(A).



Dual control operation

Auto start / stop operation with constant speed control for maximum flexibility.



Simple diagnostics

Visual indication of operating status, hours & fault warnings for ease of operation and reduced downtime.



Poly-V belt drive

Premium drive system to minimise belt stretching and increase air output.



Advanced cooling

High efficiency, oversized combination cooler with roof mount discharge for ease of ducting.



Generous serviceability

Spacious design for ease of serviceability.

Introducing the Total Air System by Ingersoll Rand

The high-efficiency compressor room... without the need for an actual room

The fully integrated air system

The right choice to deliver maximum productivity

At the same time as eliminating your task of selecting separate components, and reducing the extensive space requirements of the traditional compressed air system, the Total Air System will provide your business with maximum efficiency, reliability, flexibility, and productivity.

Smart integration

A revolutionary advancement

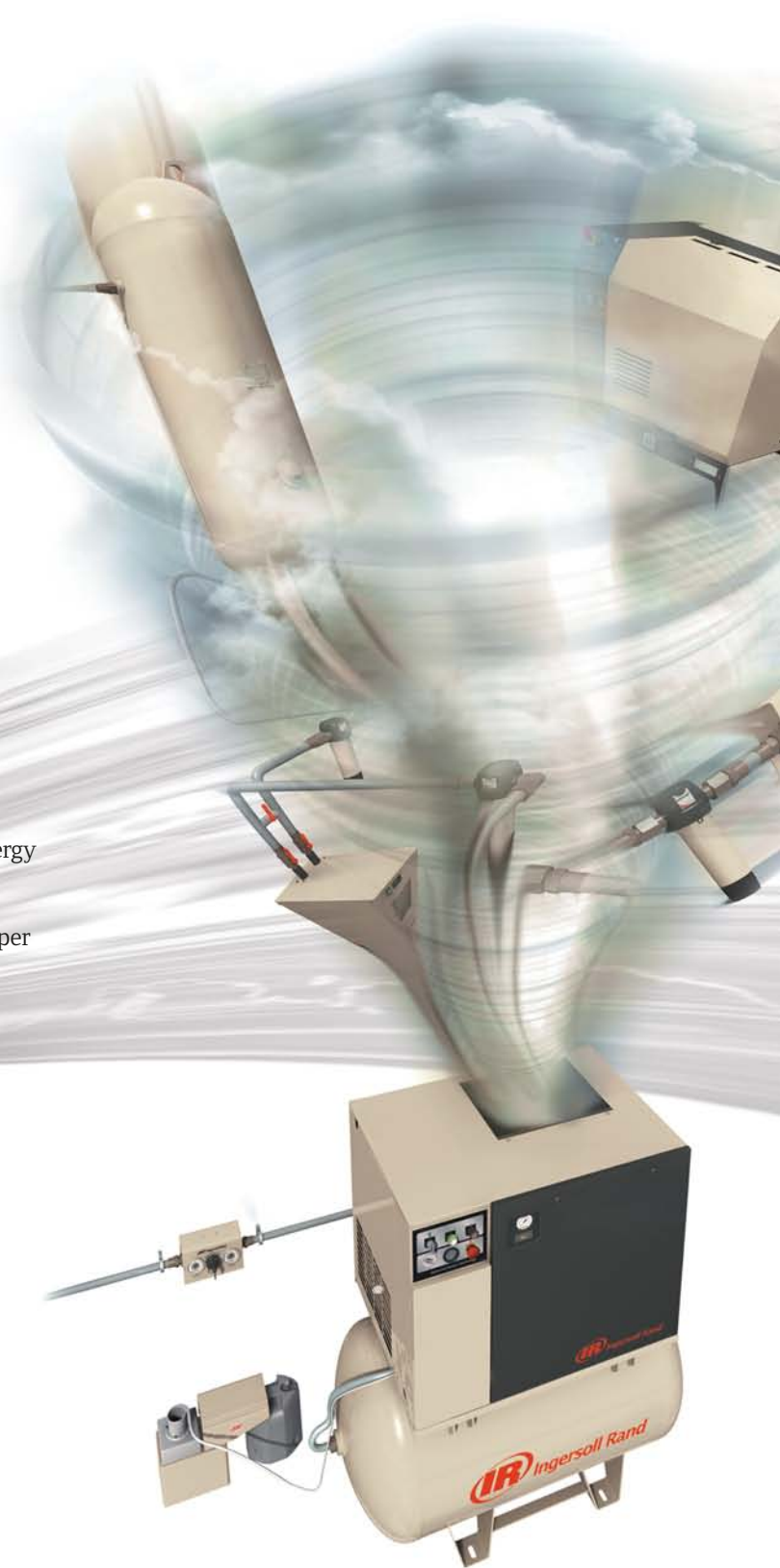
Going far beyond combining the compressor, dryer and filters in one package, smart integration also:

- Eliminates vulnerable interconnecting piping.
- Reduces pressure losses and drops.
- Integrates the compressor, dryer and controls into an energy reducing world class system.
- Incorporates the entire supply side system into one whisper quiet package enabling installation virtually anywhere.
- Provides generous space to promote cooling and allow unobstructed service.

Dry and clean compressed air

The correct air quality to do the job

All Total Air System packages come fully equipped with an integral, energy saving air treatment centre, including high performance air dryer and filtration pack to remove water, oil and particles from the air stream. All components are perfectly matched to deliver the right air quality to increase air powered tool and system equipment life.





High-efficiency components

Setting the standard in system design

The Total Air System incorporates only the highest quality components to ensure that the system delivers maximum efficiency and productivity. A high efficiency compressor room without the hassle, complexity and costs of the traditional compressor room. Total Air System packages come fully equipped with...

- High efficiency rotary screw air compressor.
- Energy saving, cycling refrigerated air dryer.
- High efficiency coalescing filter.
- High efficiency particulate filter.
- Integral air receiver storage tank.
- Integrated compressor and dryer controls.
- Low pressure drop piping.
- High efficiency moisture separator.
- Whisper quiet, low sound operation.

Lifetime Benefits

Benefits are virtually endless...

- Plug and play eliminates the main causes of failure in air systems - incorrect sizing and incorrect installation.
- Virtually no install costs — eliminates 80% of install time, material & costs.
- Integral packaging saves valuable floor space for other uses.
- Lifetime power savings through high efficient components.
- Increased productivity through better air quality — elimination of water and corrosion results in extended tool and equipment life.
- Whisper quiet operation enables installation closer to point-of-use which can eliminate hundreds of feet in piping and costly pressure drops.

Choosing the right air solution has never been easier

Dual filtration pack

Clean air to drive productivity

- Two stages of filtration deliver best performance, reduce pressure losses and extend operating life.
- Particulate removal to industry leading 1 micron.
- Oil removal down to .01 micron.
- Longer element life, lower pressure drop.
- Better air quality delivered to tools and equipment results in longer life.



Energy saving refrigerated air dryer

Dry air to drive productivity

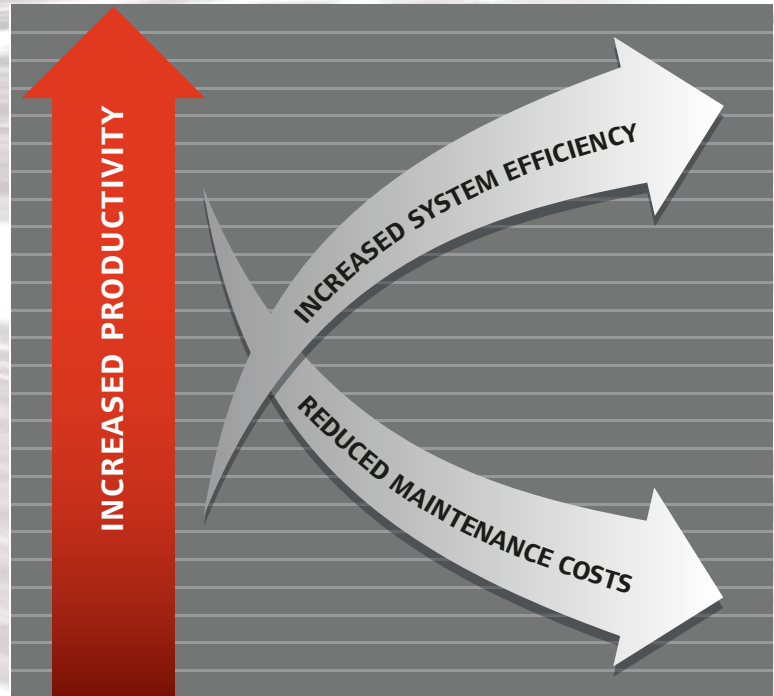
- Cycling dryer – automatically shuts off with the compressor, saving energy compared to traditional dryers which run continuously.
- Stainless steel brazed heat exchanger for low losses, high thermal efficiency and long service life.
- Solenoid drain valve and high efficiency moisture separator to permanently discharge condensate.
- Eliminates corrosion of piping, a cause of premature wear of tools and seals.



Smart integration

Advanced packaging to drive reliability and uptime

- Integrally cooled with common blower to ensure cooling is achieved 100% of the time that the compressor is running.
- Spacious design promoting serviceability.
- Package pre-filter for longer cooler life and lower pressure drops.
- Simplified piping – elimination of potential leaks.
- Single point condensate drain system instead of separate points – eliminates leaks.
- Patented segregated package cooling compartment provides advanced cooling flow management, and reduces noise level.



Asset protection

Ease of service

Ingersoll Rand designed this package with ease of service in mind. Spin-on oil filter and separator element along with 3,000/9,000 hour service intervals make life simple. Your Ingersoll Rand Air Solutions provider will recommend the most cost effective maintenance program to keep your investment operating trouble free for years.

AirCare advantage

AirCare Advantage is a responsive, flexible contract maintenance program custom-designed to provide customers with factory-authorized scheduled maintenance for one to seven years of increased system reliability. AirCare Advantage helps eliminate unscheduled downtime and relieves you of the costly investment in monitoring equipment, ongoing training, and a thorough knowledge of compressor technology.

Even when other brand air compressors fail, you can count on Ingersoll Rand to get you up and running without a hitch. No matter what the make of model, we have parts available from the world's leading OEMs.

Whether for parts, preventive maintenance, or timely repairs, who better to maintain your compressed air system than the company who leads the world in building them...Ingersoll Rand!

UltraPlus coolant

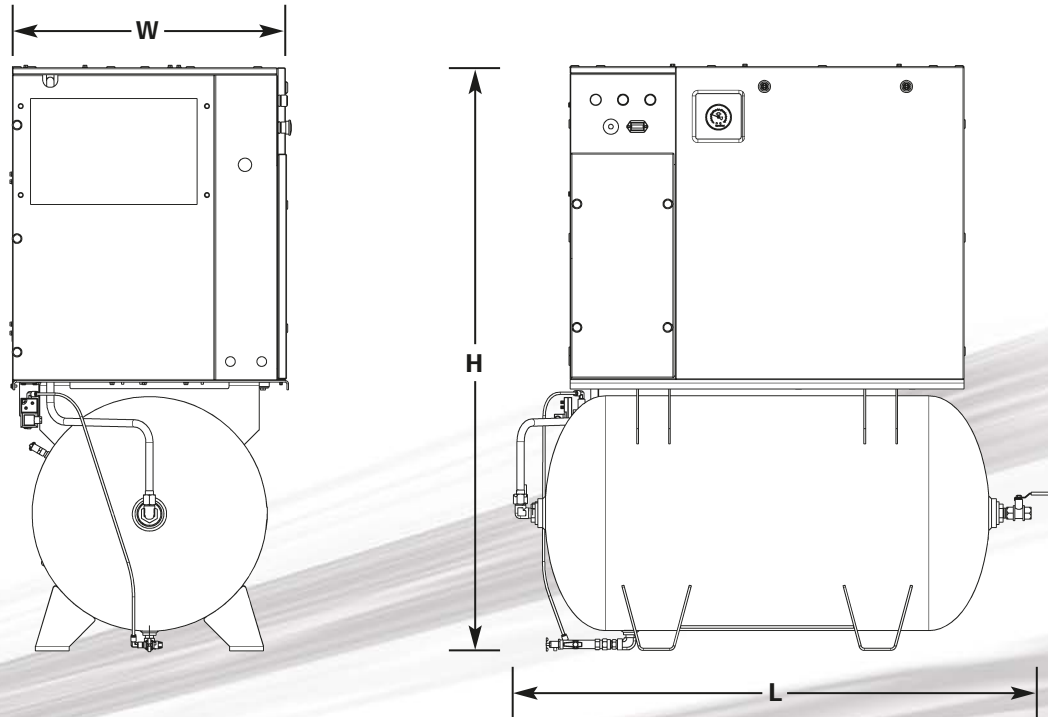
All units come standard with Ingersoll Rand's UltraPlus advanced synthetic coolant:

- 9,000 hour extended coolant life
- Simple condensate separation
- High level of biodegradability

Parts kits make it simple

Simple to order parts kits make it easy to ensure that you have the right parts on hand when you need them. Ingersoll Rand's reputation for compressor parts availability and reliability is second to none.





Dimensions & Weight							Total Air Systems (TAS)		Non-TAS	
50 & 60 Hertz baseplate and receiver mounted units										
	Length		Width		Height		Weight		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg	lbs	kg
Base mount	41	1042	28.9	734	36	914	725	330	650	295
272 Litre Receiver Tank	51.6	1311	28.9	734	60.7	1541	1,000	455	925	420
500 Litre Receiver Tank	81	2059	28.9	734	60.7	1541	1,080	490	1,000	454

50 Hz Total Air System (TAS)						
Model No	kW	Discharge Pressure		Capacity*		
		Compressor bar g	Package bar g	m ³ /min	CFM	dB(A)†
UP5-4TAS-8	4	8	7.6	0.55	19.5	65+3
UP5-4TAS-10	4	10	9.7	0.45	16	65+3
UP5-5TAS-8	5.5	8	7.38	0.82	29	65+3
UP5-5TAS-10	5.5	10	9.55	0.74	26	65+3
UP5-5TAS-14	5.5	14.5	14.2	0.48	17	65+3
UP5-7TAS-8	7.5	8	7.59	1.08	38	68+3
UP5-7TAS-10	7.5	10	9.66	0.96	34	68+3
UP5-7TAS-14	7.5	14.5	14.3	0.68	24	68+3
UP5-11cTAS-8	11	8	7.4	1.60	56.5	69+3
UP5-11cTAS-10	11	10	9.6	1.42	50	69+3
UP5-11cTAS-14	11	14.5	14.2	1.08	38	69+3

50 Hz — Non-TAS					
Model No	kW	Discharge Pressure		Capacity*	
		bar g	m ³ /min	CFM	dB(A)†
UP5-4-8	4	8	0.55	19.5	65+3
UP5-4-10	4	10	0.45	16	65+3
UP5-5-8	5.5	8	0.82	29	65+3
UP5-5-10	5.5	10	0.74	26	65+3
UP5-5-14	5.5	14.5	0.48	17	65+3
UP5-7-8	7.5	8	1.08	38	68+3
UP5-7-10	7.5	10	0.96	34	68+3
UP5-7-14	7.5	14.5	0.68	24	68+3
UP5-11c-8	11	8	1.60	56.5	69+3
UP5-11c-10	11	10	1.42	50	69+3
UP5-11c-14	11	14.5	1.08	38	69+3

*Performance in accordance with ISO1217 1996 annex C

† Measured in accordance with CAGI-pneurop test code PN8NTC2.3. Sound levels per ISO 2151 2004, annex C



Ingersoll Rand Industrial Technologies provides products, services and solutions to enhance the efficiency and productivity of our commercial, industrial and process customers. Our innovative products include air compressors, air systems components, tools, pumps, material and fluid handling systems and microturbines.

air.ingersollrand.com

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