Rotary Screw Compressors
UP-Series 4 & 5.5 kW

A new standard of performance
Boost Your Profitability

Boosting your company’s profits was the main goal that Ingersoll-Rand had in mind when it designed the revolutionary UP-Series 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 minimizing the total costs of ownership to the absolute lowest levels.

The UP-Series is more than an integrated air system, it’s a complete air solution designed to maximize the key drivers of profitability in today’s business:

- Uptime Reliability
- Shop Productivity
- Flexibility Of Operation
- Energy Efficiency & Savings

Welcome to Ingersoll-Rand’s UP-Series Rotary Air Solutions, a new standard of performance.

Achieve highest productivity and lowest total cost of ownership
Ultimate Reliability

• **Maximum Uptime**
  Ingersoll-Rand is so confident in the performance of the UP-Series, that we’ve extended the warranty to 5 years.

• **70% Fewer Connections**
  Smart integration eliminates leaks and pressure drops maximizing reliability.

Ultimate Efficiency

• **More Air For Your Money**
  Industry leading performance delivers more air for less horsepower, saving thousands of dollars per year on energy.

• **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 & safer work environment.

Ultimate Productivity

• **Closely Maintained Pressure**
  Closely maintained discharge pressure avoids excessive pressure bands & 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.

• **Poly-V Belt Drive**
  Premium drive system to minimize 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.

Real world advantages

• **Whisper Quiet Operation**
  Oversized, high efficiency motor mount blower. Sound levels as low as 65 dBA.

• **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.
Ingersoll-Rand’s Total Air System

The UP Series Fully Integrated Air System

*The right choice to maximize 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.
- Minimizes pressure losses and drops.
- Integrates the compressor, dryer and controls into an energy reducing optimized 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 & Clean Compressed Air
The right air quality to do the job

All TAS packages come fully equipped with an integral, energy saving air treatment center 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.

Lifetime benefits

Benefits are virtually endless...
✓ Plug-and-play simplicity – eliminates the number one cause of failure in air systems – incorrect sizing and 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 & equipment life.
✓ Whisper quiet operation enables installation closer to point-of-use which can eliminate hundreds of feet in piping and costly pressure drops.

High Efficiency Components
Setting the standard in system design

The UP Series TAS incorporates only the highest quality components to ensure that both system efficiency and productivity are maximized. A high efficiency compressor room without the hassle, complexity and costs of the traditional compressor room. TAS 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.
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 Savings

*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 braised 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.
Integral air treatment

Smart Integration
*Advanced packaging to drive reliability & uptime*

- Integrally cooled with common blower to ensure cooling is achieving 100% of time that 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.

Choosing the right air solution has never been easier...
**Leading Warranty As Standard**

- **5 Year Warranty Protection**
  All Ingersoll-Rand UP-Series compressors come standard with a one year package warranty and a 4-year extended parts warranty coverage.

- **AirCare Extended Coverage**
  In addition to the standard package warranty, all UP-Series compressors are available for extended AirCare coverage. Ask your authorized IR representative for more details.

**Ultra-Plus Coolant**

All units come standard with Ingersoll-Rand’s Ultra-Plus advanced synthetic coolant:

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

**Ease Of Service**

Ingersoll-Rand designed the UP-Series 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 IR Air Solutions provider will recommend the most cost effective maintenance program to keep your investment operating trouble free for years.

- **Service Supervisor On Board**
  Keep your machine performing at its best. Eliminate the guesswork out of when to provide service, with the optional maintenance indicator.

**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.
Industry Leading Performance

Dimensions & Weight
50 Hertz baseplate and receiver mounted units

<table>
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<th>Base mount</th>
<th>Length (mm)</th>
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<td>734</td>
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Without Air Treatment System

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50 Hertz Total Air System Specifications

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* Performance in accordance with ISO 1217 1996 annex C
† Sound levels per ISO 2151; 2004 annex C
Ingersoll-Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll-Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service.

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