

Small UP

4-11Kw/5-15Hp Rotary Screw Compressors



IR Ingersoll Rand
Industrial Technologies

Rotary Screw Compressors
4-11Kw/5-15Hp

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.

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

Exceptional
value

Ultimate Reliability

- **70% Fewer Connections**

Smart integration eliminates leaks and pressure drops maximizing reliability.



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.

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.

Ultimate Productivity

- **Closely Maintained Pressure**

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



Real world advantages

- **Whisper Quiet Operation**

Oversized, high efficiency motor mount blower. Sound levels as low as 65 dBA.



- **Poly-V Belt Drive**

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



- **Dual Control Operation**

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



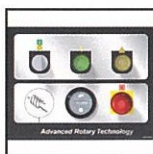
- **Advanced Cooling**

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



- **Simple Diagnostics**

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



- **Generous Serviceability**

Spacious design for ease of serviceability.



Rotary Screw Compressors


4-11Kw/5-15Hp



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 & Internal
air treatment*

- Simplified piping- elimination of potential leaks and vulnerable interconnecting piping.
- Spacious design promoting serviceability and cooling.
- Integrates the compressor, dryer and controls into an energy reducing optimized system. Integrally cooled with common blower to ensure cooling is achieving 100% of time the compressor is running.
- Patented segregated package cooling compartment provides advanced cooling flow management, and reduces noise level enabling installation virtually anywhere.
- Single point condensate drain system instead of separate points - eliminates leaks.
- Package pre-filter for longer cooler life and lower pressure drops.

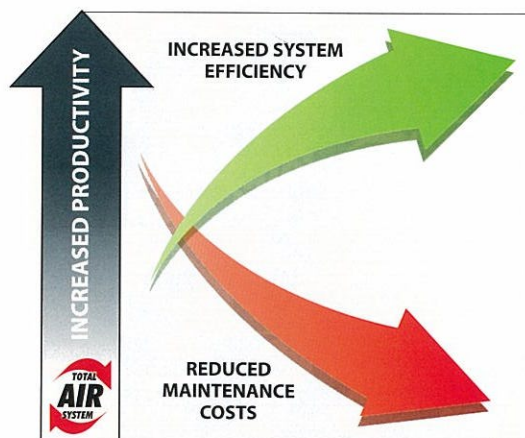


The high efficiency **compressor room** ...without the need for an actual room

Dry & Clean Compressed Air *The right air quality to do the job*

All  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.



High Efficiency Components *Setting the standard in system design*

The UP Series  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.  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.

Choosing the
right air solution
has never been
easier...

Rotary Screw Compressors

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Dual Filtration Pack

Clean air to drive productivity

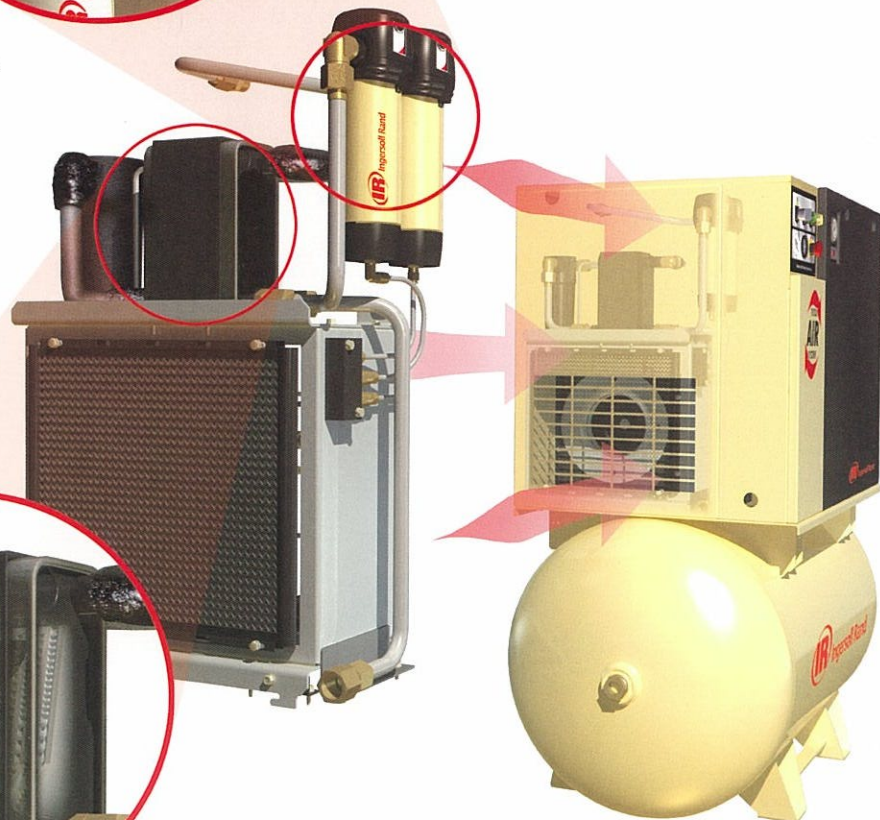
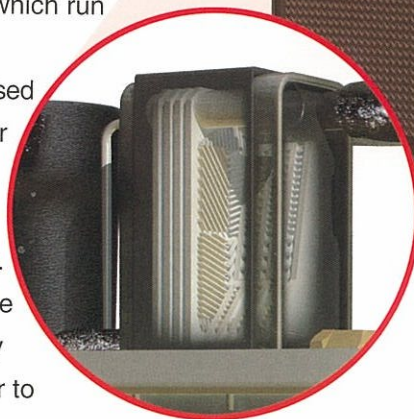
- Two stages of filtration deliver best performance, reduce pressure losses and extend operating life.
- Particulate removal to industry leading 1 micron.
- Oil removal down to .01 micron.
- Longer element life, lower pressure drop.
- Better air quality delivered to tools and equipment results in longer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



Asset protection

Leading Warranty As Standard

- 1 Year Warranty Protection

- AirCare Extended Coverage

AirCare

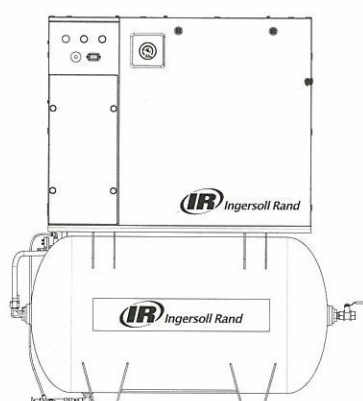
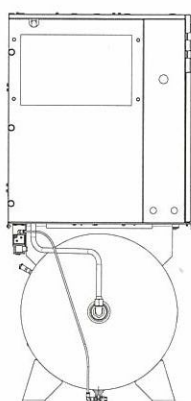
In addition to the standard package warranty, all UP-Series compressors are available for extended AirCare coverage. Ask your authorized IR representative for more details.

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



Industry Leading Performance

50 Hertz Total Air System Specifications								60 Hertz Total Air System Specifications							
Model No.		Discharge pressure		Capacity*				Model No.		Discharge pressure		Capacity*			
Package	Compressor	kW	bar(g)	bar(g)	m ³ /min	CFM	dB(A)†	Package	Compressor	HP	PSIG	PSIG	CFM	m ³ /min	dB(A)†
UP5-4TAS-8	UP5-4-8	4	8	7.3	0.55	19.5	65	UP6-5TAS-125	UP6-5-125	5	125	115	18.5	0.52	65
UP5-4TAS-10	UP5-4-10	4	10	9.3	0.45	16	65	UP6-5TAS-150	UP6-5-150	5	150	140	16.0	0.45	65
UP5-5TAS-8	UP5-5-8	5.5	8	7.3	0.82	29	65	UP6-7TAS-125	UP6-7-125	7.5	125	115	28.0	0.79	65
UP5-5TAS-10	UP5-5-10	5.5	10	9.3	0.74	26	65	UP6-7TAS-150	UP6-7-150	7.5	150	140	25.0	0.25	65
UP5-5TAS-14	UP5-5-14	5.5	14.5	13.8	0.51	18	65	UP6-7TAS-210	UP6-7-210	7.5	210	200	17.5	0.50	65
UP5-7TAS-8	UP5-7-8	7.5	8	7.3	1.08	38	68	UP6-10TAS-125	UP6-10-125	10	125	115	38.0	1.08	68
UP5-7TAS-10	UP5-7-10	7.5	10	9.3	0.96	34	68	UP6-10TAS-150	UP6-10-150	10	150	140	34.0	0.96	68
UP5-7TAS-14	UP5-7-14	7.5	14.5	13.8	0.68	24	68	UP6-10TAS-210	UP6-10-210	10	210	200	24.0	0.68	68
UP5-11cTAS-8	UP5-11c-8	11	8	7.3	1.60	56.5	69	UP6-15cTAS-125	UP6-15c-125	15	125	115	55.0	1.55	69
UP5-11cTAS-10	UP5-11c-10	11	10	9.3	1.42	50	69	UP6-15cTAS-150	UP6-15c-150	15	150	140	50.0	1.42	69
UP5-11cTAS-14	UP5-11c-14	11	14.5	13.8	1.08	38	69	UP6-15cTAS-210	UP6-15c-210	15	210	200	38.0	1.08	69

Dimensions & Weight							Package		Compressor		
50 & 60 Hertz baseplate and receiver mounted units									(Without Air Treatment System)		
		Length		Width		Height		Weight		Weight	
		inch	mm	inch	mm	inch	mm	pounds	kg	pounds	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	1003	455	928	420
500 Litre Receiver Tank		81	2059	28.9	734	60.7	1541	1080	490	1005	455

* Performance in accordance with ISO 1217 1996 annex C

† Measured in accordance with CAGI-pneurop test code PN8NTC2.3

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