

Ingersoll Rand

15-37 kW UP-Series Rotary Screw Compressors



IR Ingersoll Rand
Industrial Technologies

Performance That Pays

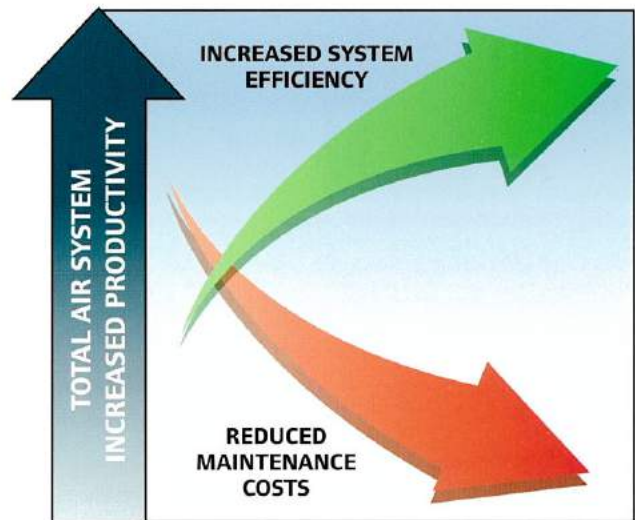
Boost Your Profitability

Boosting your company's profits was the main goal that Ingersoll Rand had in mind when designing 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:

- Ultimate reliability
- Shop productivity
- Flexibility of operation
- Energy efficiency and savings

Welcome to Ingersoll Rand's UP-Series Rotary Air Solutions, a New Standard of Performance.



Exceptional Value

Ultimate Reliability

Maximum Uptime

Ingersoll Rand is so confident in the performance of the UP-Series, with a one year package warranty.

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 RMB per year on energy.

Smart, Energy Efficient Controls

Eliminates wasteful unloaded running by unloading rapidly and by cycling the compressor on/off when not needed.

Energy Efficiency

High efficiency IP55 enclosure main motor driving both compressor and cooling blower.



Ultimate Flexibility

Compact Footprint Design

Receiver mounting 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

Reducing discharge pressure and avoiding excessive pressure bands, increases downstream tool and equipment life.



Choosing the Right Air Solution

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 simple through spin-on filtration and separator cartridges.



Real World Advantages

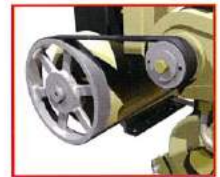
Whisper Quiet Operation

Oversized, high efficiency cooling air blower provides sound levels as low as 68-69 dBA.



Poly-V Belt Drive

Premium drive system applies patented automatic tensioning to eliminate belt stretch and increase air output.



Dual Control Operation

Reliable and effective load/noload control with automatic stop and restart facility for maximum flexibility.



Advanced Cooling

A package prefilter, efficient combination aftercooler with access to both sides for easy cleaning and top discharge to simplify ducting.



Simple Diagnostics

Visual indication of operating status and hours run, for ease of operation and reduced downtime.



Generous Serviceability

All key maintenance components have been grouped to provide ease of serviceability.



Has Never Been Easier...

The Heat Stays Out. The Noise Stays In.

The 37kW/50HP is uniquely designed to keep the heat out of the package and the noise in. The combination of super-efficient cooling and noise reduction results in a compressor that will run in the most extreme conditions and still achieve maximum performance.



1. All of the components that generate heat are put together on the "hot side" in order to concentrate maximum air flow and sound attenuation where they are needed most.

2. The rated package delivers maximum performance even under the most extreme ambient conditions.

3. The blower wheel used to draw air through the package provides a half inch of static pressure for external ducting while keeping the overall package sound level to a low 69 db(A).

Options To Meet All Operating Conditions

Frost Protection

When site ambient conditions are expected to fall below freezing, IR offers separate field installation kits. For installation convenience, the thermostatically controlled frost protection kits are connected to separate singlephase power supplies and include space heaters and trace heating to protect the units down to temperatures as low as -10°C (14°F). Once the compressor is running, thermostatic controls switch off the heater circuits.

Power Outage Restart

In the event of a compressor power outage shutdown, Power Outage Restart will automatically provide a visual and audible warning once power is restored and will then automatically restart the compressor and return it to its previous operating condition.

High Ambient Package

Rated for operation in ambient conditions up to 122°F (50°C), the High Ambient units are available in power sizes of 15-30kW. As to 37kW the package enclosure is allowing adequate ventilation for operating in high ambient conditions (115°F./46°C.).

Intellisys Control Option

Probably the best known name in compressor control systems, the optional intellisys control offers precise pressure control, energy saving functions and advanced asset protection.



Outdoor Modification

To further protect the compressor from rainwater ingress, IR offers an intake louver for the pre-filter, and a discharge cowling for the cooling air outlet.

Introduction the Ingersoll Rand 37kW

The quietest, most efficient, easiest-to-service air compressor in its class.

M37-PE

Reliability, efficiency, serviceability and low noise; everything you're looking for in a compressed air solution. All these unique qualities are available in a package specifically designed to deliver superior acoustic containment and optimum performance efficiency at 37 kW / 50 HP.

- The rugged, durable, time-proven Ingersoll Rand airend delivers the ultimate in mechanical reliability.
- Low noise, high efficiency blower fan cooling allows for maximum cooling in ambients up to 46°C(115°F).
- The heavy duty, fully cast separator system is designed to last and allows for quick, simple coolant system maintenance.
- Integrated Intellysis control brings technology to the otherwise simple package design. The intellysis auto control select (ACS) automatically selects the optimum compressor operating mode to minimize energy costs.



Reliability = Uptime + Fast Maintenance



Asset Protection

Leading Warranty as Standard

- 1 Year Warranty Protection



- AirCare Coverage

Ensure the highest level of satisfaction with the highly acclaimed, bumper-to-bumper, extended life care programme. Ask your authorized IR representative for more details.

Industry-Leading Performance

Specifications (50Hz)

MODEL NO	POWER kW	CAPACITY m ³ /min**	BAR AT DISCHARGE barg	dBa [*]
UP5-15-7	15	2.41	7.5	68
UP5-15-8		2.36	8.5	68
UP5-15-10		2.07	10.0	68
UP5-15-14		1.61	14.0	68
UP5-18-7	18.5	3.00	7.5	68
UP5-18-8		2.85	8.5	68
UP5-18-10		2.61	10.0	68
UP5-18-14		2.01	14.0	68
UP5-22-7	22	3.54	7.5	69
UP5-22-8		3.34	8.5	69
UP5-22-10		3.11	10.0	69
UP5-22-14		2.32	14.0	69
UP5-30-7	30	5.40	7.5	69
UP5-30-8		5.10	8.5	69
UP5-30-10		4.80	10	69
UP5-30-14		3.90	14	69
ML37-PE	37	6.02	7.5	69
MM37-PE		5.89	8.5	69
MH37-PE		5.70	10	69
MXU37-PE		4.73	14	69

60Hz IR 50-PE Performance

Free Air Delivery - cfm (**)

HP	HF 115 psig	EP 125 psig	HHP 150 psig	HXP 200 psig	Length (in)	Width (in)	Height (in)	Weight (lbs)
50-PE	212	208	201	167	67.4	54.1	52.9	2476

**Capacity quoted tested in accordance with ISO 1217 annex C 1996 (CAGI-pneurop PN2CPT2)

*Sound levels per ISO 2151; 2004 annex C

Ultra-Plus Coolant

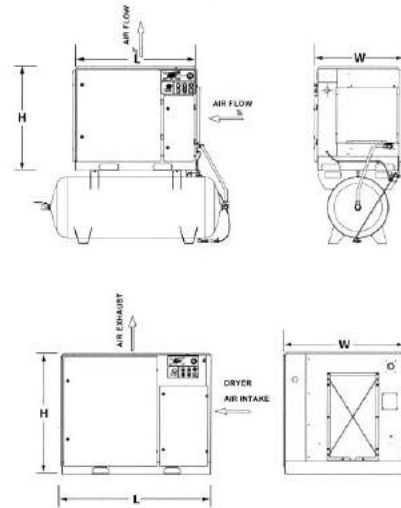
All units come standard with Ingersoll Rand's Ultra-Plus advanced synthetic coolant:

- 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 filter and separator element along with 3/6/9,000 hour/annual 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.



Dimensions & Weights (50Hz)

Power kW	L (mm)	W (mm)	H (mm)	WEIGHT (kg)
15	1282	920	1050	509
18.5	1282	920	1050	532
22	1282	920	1050	540
30	1712	1379	1344	1028
37	1712	1379	1344	1064



Ingersoll Rand Industrial Technologies provides products, services and solutions that enhance our customers' energy efficiency, productivity and operations. Our diverse and innovative products range from complete compressed air systems, tools and pumps to material and fluid handling systems and environmentally friendly microturbines. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

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