Ingersoll Rand®

Rotary Screw Air Compressors

Rb Series 55 - 75 kW

A New Level of Productivity, Reliability, Efficiency and Serviceability

Ingersoll Rand's new Rb series rotary screw air compressor offers the best of the time proven designs and technologies with best in class flow and efficiency to ensure the highest level of Productivity, reliability, Efficiency and Serviceability.



Features of Rb Series Rotary Screw Air Compressors



Time-Proven Reliable and Robust Airends

Used in compressors worldwide, Ingersoll Rand single-stage airends have proven to be the market leader in both reliability and efficiency.

- Precision machined rotors.
- Highest quality tapered roller bearings.
- Integrated coolant flow to eliminate leak paths.



Efficient 3 Stage Separation System

Our Patented Vertical 3-Stage conical baffle separator element minimizes coolant carryover to customer plant and reduces the amount of make up replaced. This design also reduces the impact that overfilling or under filling can have on coolant carryover.



Xe-Series Controller

High-tech Xe-Series controller, satisfies all-around requirements from our customers. Increases efficiency and stabilizes pressure by sequencing upto 4 Xe-controlled compressors without additional hardware.



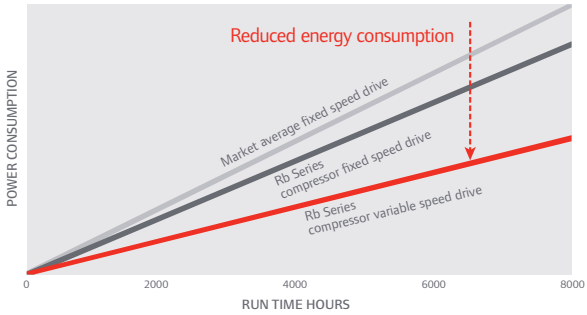
Premium Efficiency IE3 Motors

reducing your utility bills, TEFC High Performance induction motor with Class F Insulation. Duty rated star delta starter for Lower in Rush current. Designed to perform in harsh conditions ensuring Peace of mind with High reliability.

Driving Towards Maximum Efficiency using Variable Speed Drives (VSD's)

When approx. 20-25% of the total electrical energy is used by Industry to run compressors, it makes compressed air 10 times costlier than electricity. This increases the need to improve efficiency and reduce the wastage of power.

Advanced IE3 efficiency motor. For even more efficiency, optional Variable Speed Drive can help you save 35% of the energy cost.



VFD Option is available for Rb Series Rotary Screew Air Compressors



Ultra coolant

- Ingersoll Rand Bio-degradable Synthetic Ultra Coolant with 2 Years/8000 hour of life.
- Minimum Maintenance Cost due to longer duration between replacement of the coolant.
- No Varnish formation leading to Improved Reliability & life of Rotor; Bearing; Heat Exchanger & Separator.

Performance Chart

Model	Max. Pressure		Nominal Power	Capacity (FAD)*	Dimension (L x W x H)	Weight
	barg	psig	kW	cfm	mm	kg
Rb55i	7.5	110	55	360	2655 x 1325 x 1435	1484
	8.5	125	55	333	2656 x 1325 x 1435	1484
	10	145	55	303	2657 x 1325 x 1435	1484
Rb75i	7.5	110	75	520	2658 x 1325 x 1435	1509
	8.5	125	75	475	2659 x 1325 x 1435	1509
	10	145	75	435	2660 x 1325 x 1435	1509
Rb55n	7.5	110	55	180 - 360	2655 x 1325 x 1435	1624
	8.5	125	55	167 - 333	2656 x 1325 x 1435	1624
	10	145	55	152 - 303	2657 x 1325 x 1435	1624
Rb75n	7.5	110	75	260 - 520	2658 x 1325 x 1435	1800
	8.5	125	75	238 - 475	2659 x 1325 x 1435	1800
	10	145	75	218 - 435	2660 x 1325 x 1435	1800

Conversion Details : 1 cfm = 0.02831 m^3/min · 1 psi = 0.07031 kg/cm^2 · 1 m^3 = 1000 litres · 1 hp = 0.746 kW

* FAD (Free Air Delivery) m^3/min are full-package performance ratings in accordance with CAGI/Pneurop acceptance test standard PN2CPTC2 or ISO 1217.

Ingersoll Rand

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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**

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