

# Contact-Cooled Rotary Screw Air Compressors

RMb Series 30 - 37 kW



**IR** Ingersoll Rand®

# The product with offering future of Business strategy of customers

Ingersoll Rand rotary screw air compressors offer the best of time-proven designs and technologies with new, advanced features to ensure the highest levels of Productivity, Reliability, Efficiency and Serviceability.



## High-efficient Gear Driven System

- Highly efficient gear driven system that is efficient and stable functioning to increase service life.
- It's the only drive system that is maintenance free and totally isolated from the environment.

- Nothing to maintain between motor and rotor shaft
- Sealed housing
- Power transmission – best in class

## 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.

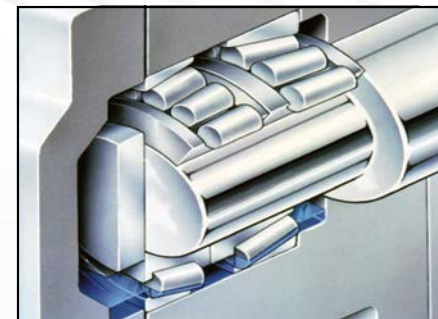


## Time-Proven Reliable Airends

### 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.

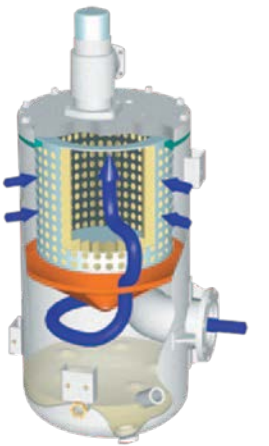


### Coolant dam engineered design to maximize reliability

- Ensures no dry starts
- Lubricated start-up right from first bearing rotation
- Longer airend life

## 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.



## Serviceability

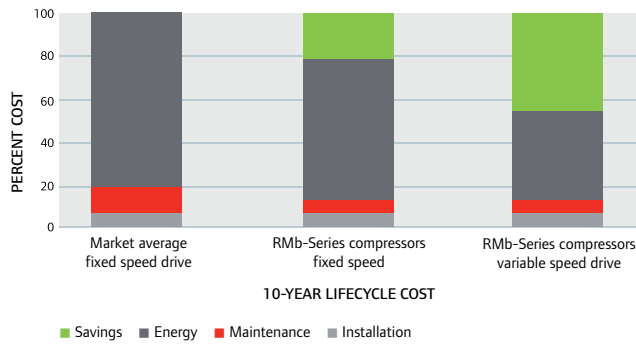
- Longer Service Intervals increases the productivity & makes the servicing of the machine easier & hassle free.
- Offers the best of the space for servicing making the machine ergonomically friendly for technician to service with no fatigue.

## Ultracoolant

- 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.
- Specifically Designed for Rotary Compressors giving uninterrupted service by lubrication, sealing, & Cooling.



## Significantly reduce total cost of ownership



## Driving Toward Next Generation Efficiency

Every Rmb-series compressor features an advanced airend and IE3-rated NEMA Premium® motor that reduces total cost of ownership. For even more efficiency, an optional variable speed drive (VSD) can help you save even more on energy costs.

## High-efficient Variable Speed Motor

IE3 high-efficiency Variable Speed Motor with IP55 class protection, F class insulation, B class temperature rise; advanced motor design, which ensures long term operation of the compressor even in the extreme conditions: minimum speed, minimum pressure and exceeding rated load up to 10%.

## Variable Speed Drive (VSD) Inverter

Time-proven high reliability VSD inverter, which has been used in thousands of Ingersoll Rand compressors, guarantees the stable air delivery to point of use and maximizes customer benefits.

## Performance Chart

Model	Max. Pressure		Nominal Power	Capacity (FAD)*		Dimension (L x W x H)	Weight
	barg	psig		kW	m <sup>3</sup> /min		
Rmb30i	7.5	110	30	5.8	205	2100 x 1050 x 1215	885
	8.5	125	30	5.6	197	2100 x 1050 x 1215	885
	10	145	30	5.2	185	2100 x 1050 x 1215	885
Rmb37i	7.5	110	37	6.9	244	2100 x 1050 x 1215	905
	8.5	125	37	6.5	228	2100 x 1050 x 1215	905
	10	145	37	6.2	218	2100 x 1050 x 1215	905
RMb30n-A7.5	7.5	110	30	-	97 - 194	2170 x 1050 x 1215	925
RMb30n-A8.5	8.5	125	30	-	94 - 188	2170 x 1050 x 1215	925
RMb30n-A10	10	145	30	-	87 - 174	2170 x 1050 x 1215	925
RMb37n-A7.5	7.5	110	37	-	117 - 233	2170 x 1050 x 1215	945
RMb37n-A8.5	8.5	125	37	-	108 - 215	2170 x 1050 x 1215	945
RMb37n-A10	10	145	37	-	104 - 208	2170 x 1050 x 1215	945

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



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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](http://www.IRco.com)