



Oil-Flooded Rotary Screw Air Compressors

R-Series 37-45 kW (50-60 hp) 60 Hz

Ingersoll Rand R-Series compressors offer the best of time-proven designs and technologies with advanced features to ensure the highest levels of reliability, efficiency and productivity.



- **Progressive Adaptive Control (PAC™) protection** continuously monitors key operating parameters and adapts to prevent unexpected downtime
- **V-Shield™ technology** provides a totally integrated, leak-free design

- **Sequential cooling system** significantly improves efficiency, serviceability and noise level
- **Time-proven airends** provide market-leading efficiency and reliability
- **Trouble-free operation** ensures increased uptime with features such as two-stage filtration, easy maintenance and extended life Ingersoll Rand premium grade coolant
- **The Xe-Series controller** features an intuitive high resolution color display with Web-enabled communication and control
- **The optional R-Series Total Air System (TAS)** provides clean, dry air in a single package that minimizes installation costs and space



Xe-145M option shown

Standard features include:	Optional features include:
Xe-90M controller with 90 mm screen	Xe-145 controller with 145 mm screen
Progressive Adaptive Control (PAC™) protection	Flow control by inlet modulation
Air-cooled sequential cooling system	Extreme low ambient protection to -23°C (-10°F)* & frost protection to -10°C (14°F)
V-Shield™ technology	High ambient protection up to 55°C (131°F)
Ergonomic swing-out lid on the separator tank	Premium high dust filtration
Noise attenuation enclosure	Fluid containment system
Package pre-filtration	Web-based graphing and trending
Long-life filtration and separation elements	Email notification of warnings and trips
12-month full package warranty	Energy Recovery System (ERS)
	Outdoor modification/rain protection
	Total Air System (TAS)

*Available in North America only

i Ingersoll Rand Standard – 60 Hz Performance

Model	Max. Pressure		Nominal Power		Capacity (FAD)*		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m ³ /min	cfm	mm	in	kg	lb
R37ie	10.0	145	37	50	5.86	207	1,947 x 1,114 x 1,607	77 x 44 x 63	1,004	2,213
	14.0	200	37	50	4.87	172	1,947 x 1,114 x 1,607	77 x 44 x 63	1,004	2,213

i Ingersoll Rand† Total Air System (TAS) – 60 Hz Performance

Model	Max. Pressure		Nominal Power		Capacity (FAD)*		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m ³ /min	cfm	mm	in	kg	lb
R37ieTAS	9.5	138	37	50	5.86	207	1,947 x 1,114 x 1,635	77 x 44 x 64	1,094	2,411
	13.5	193	37	50	4.87	172	1,947 x 1,114 x 1,635	77 x 44 x 64	1,094	2,411

n Ingersoll Rand Nirvana Standard – 60 Hz Performance

Model	Max. Pressure		Nominal Power		Capacity (FAD)**		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m ³ /min	cfm	mm	in	kg	lb
R37ne	4.5-10	65-145	37	50	5.75-6.63	203-234	1,947 x 1,114 x 1,607	77 x 44 x 63	776	1,711
R45n	4.5-10	65-145	45	60	6.46-7.42	228-264	1,947 x 1,114 x 1,607	77 x 44 x 63	776	1,711

n Ingersoll Rand Nirvana† Total Air System (TAS) – 60 Hz Performance

Model	Max. Pressure		Nominal Power		Capacity (FAD)**		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m ³ /min	cfm	mm	in	kg	lb
R37ne TAS	4.5-9.5	65-135	37	50	5.75-6.43	203-227	1,947 x 1,114 x 1,635	77 x 44 x 64	926	2,041
R45n TAS	4.5-9.5	65-135	45	60	6.46-7.39	228-261	1,947 x 1,114 x 1,635	77 x 44 x 64	926	2,041

*FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and is measured at 0.5 bar g/10 psig lower than maximum pressure on non-TAS units and 3 psig lower than maximum on TAS-equipped units.

**FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and capacity range is measured at 7 bar g/100 psig.

†TAS units deliver ISO Class 1-4-2 quality air measured at steady state conditions in accordance with ISO 8573-1:2001 that dictates inlet air to package of 25 °C (77 °F) and relative humidity of 60%.



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.



Ingersoll Rand, IR, the IR logo, PAC and V-Shield are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners. Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialized equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service. Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request. Product improvement is a continuing goal at Ingersoll Rand. Any designs, diagrams, pictures, photographs and specifications contained within this document are for representative purposes only and may include optional scope and/or functionality and are subject to change without notice or obligation.