



# Next Generation R-Series Oil-Flooded Rotary Screw Air Compressors

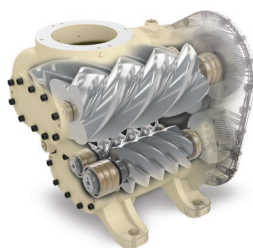
90-160 kW (125-200 hp), 50 Hz

Ingersoll Rand works to keep you ahead of your competition with Next Generation R-Series air compressors that improve your company's productivity and profitability through industry-leading energy efficiency, exceptional reliability and intelligent control.



## World-class performance

- **State-of-the-single and two-stage airends provide** design flexibility, up to 9% improved efficiency and up to 10% more airflow capacity
- **IE3/NEMA Premium® TEFC motor** decreases energy demands
- **V-Shield™ technology** provides a totally integrated, leak-free design, featuring PTFE stainless steel braided oil hoses and O-ring face seals
- **Reliable** free-floating cooling system with reduced thermal stress for improved durability
- **Progressive Adaptive Control (PAC™)** monitors key operating parameters and continuously adapts to prevent unexpected downtime



- **Enhanced serviceability** ensures increased uptime with two-stage filtration, easy maintenance and Ingersoll Rand extended life, premium grade coolant
- **Xe-Series controller** delivers increased control functionality through an intuitive user interface, as well as remote access with any common, current web browser
- **Hinged-door service access** with integrated handles provides quick, easy access to all user-maintainable components
- **Comprehensive CARE service programs** to ensure proper maintenance and longer product life, as well as extend warranty



Standard features include:	Optional features include:
Premium performance airend	Comprehensive service and coverage plans with extended warranty
Energy saving, intuitive Xe-90M Series controller with remote access	Xe-145M Series controller
Air-cooled, free-floating cooling system with moisture separator	Outdoor modification/rain protection
PAC™ protection adjusts operating parameters in response to compressor operation	Low ambient temperature protection as low as -10°C (15°F)
V-Shield™ stainless steel piping, vibration isolation, PTFE hoses, leak-free connections	High ambient temperature protection as high as 55°C (131°F)
Noise attenuation enclosure with hinged removable doors for easy service access	Premium high dust filtration
Packaged pre-filtration	Ultra FG lubricant (food grade)
Ultra EL lubricant with extended 16,000-hour life	Power outage automatic restart option (PORO)
Long-life filtration and separation elements	Flow control inlet modulation
Wye-Delta reduced voltage starter	Phase monitor protection
IE3/NEMA Premium® TEFC motor	Containment base
NEMA® Type-4/IP55 control cabinet enclosure, rated for 46°C (115°F) ambient operation	Soft starter
Electronic no-loss drains (ie models)	Water-cooled options including freshwater, harsh water and seawater variants
	Electronic no-loss drains (i models)
	Energy Recover System (ERS)
	RTD Monitoring



**i Standard 50 Hz Performance**

Model	Max pressure barg	Nominal power kW	Capacity (FAD)* m <sup>3</sup> /min	Dimensions (L x W x H) mm	Weight (Air-cooled) kg	Weight (Water-cooled) kg
RS132I-7.5	7.5	132	26.6	2855 x 1899 x 2107	3720	3780
RS132I-8.5	8.5	132	24.8		3720	3780
RS132I-10	10	132	22.7		3720	3780
RS132I-14	14	132	18.1		3720	3780
RS160I-7.5	7.5	160	31.2		3820	3880
RS160I-8.5	8.5	160	30.0		3820	3880
RS160I-10	10	160	27.6		3820	3880
RS160I-14	14	160	22.3		3820	3880

**ie Standard 50 Hz Performance**

Model	Max pressure barg	Nominal power kW	Capacity (FAD)* m <sup>3</sup> /min	Dimensions (L x W x H) mm	Weight (Air-cooled) kg	Weight (Water-cooled) kg
RS90IE-7.5	7.5	90	19.3	2855 x 1899 x 2107	3270	3478
RS90IE-8.5	8.5	90	18.2		3270	3478
RS90IE-10	10	90	16.4		3270	3478
RS90IE-14	14	90	13.0		3270	3478
RS110IE-7.5	7.5	110	23.5		3364	3572
RS110IE-8.5	8.5	110	22.1		3364	3572
RS110IE-10	10	110	20.0		3364	3572
RS110IE-14	14	110	16.4		3364	3572
RS132IE-7.5	7.5	132	27.7		3646	3854
RS132IE-8.5	8.5	132	26.2		3646	3854
RS132IE-10	10	132	23.8		3646	3854
RS132IE-14	14	132	19.6		3646	3854
RS160IE-7.5	7.5	160	31.9		4194	3986
RS160IE-8.5	8.5	160	31.0		4194	3986
RS160IE-10	10	160	28.9		4194	3986
RS160IE-14	14	160	23.9		4194	3986

\* FAD (Free Air Delivery) is full package performance including all losses, tested per ISO 1217:2009 Annex C



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