



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

45-75 kW (60-100 hp)

Ingersoll Rand works to keep you ahead of your competition with Next Generation R-Series air compressors that lower total cost of ownership through high-quality components, industry-leading energy efficiency and global expertise.

World-class performance

- **Designed for significantly improving efficiency** with state-of-the art airenrs, IE3/NEMA Premium® high-efficiency motor, a free-floating cooling system and optional Energy Recovery System (ERS) significantly improve efficiency
- **V-Shield™ technology** provides a totally integrated, leak-free design featuring PTFE stainless steel braided oil hoses and O-ring face seals
- **Xe-Series controller** delivers increased control functionality through an intuitive user interface as well as remote access with any common, current web browser



- **Progressive Adaptive Control (PAC™)** monitors key operating parameters and continuously adapts to prevent unexpected downtime
- **Enhanced serviceability** ensures increased uptime with features such as two-stage filtration, easy maintenance and Ingersoll Rand extended life, premium grade coolant
- **Hinged-door service access with integrated handles** provides quick, easy access to all user-maintainable components
- **Optional Total Air System (TAS)** provides clean, dry air in a single package that minimizes installation costs, reduces footprint and improves ISO air quality



Standard features include:

Premium performance airenrd
Energy saving, intuitive Xe-90M Series controller with remote access
Air-cooled free-floating cooling system with moisture separator
PAC™ protection adjusts operating parameters in response to compressor operation
V-Shield™ stainless steel piping, vibration isolation, PTFE hoses, leak-free connections
Noise attenuation enclosure with hinged removable doors for easy service access
Packaged pre-filtration
Long-life Ultra Coolant with 8,000-hour life
Long-life filtration and separation elements
Control panel protection
Wye-Delta reduced voltage starter
NEMA Premium® TEFC Motor
Package rated for 46°C (115°F) ambient operation

Optional features include:

Total Air System (TAS) package with integrated air dryer
XE 145M Controller with a 145mm screen
Low ambient temperature protection as low as -23°C (-10°F)
Outdoor modification/rain protection
Premium high dust filtration
Water-cooled system
Ultra EL lubricant (extended 16,000-hour life)
Ultra FG lubricant (food grade)
Power outage automatic restart option (PORO)
Flow control inlet modulation
Phase monitor protection
High ambient rating up to 55°C (131°F)
Containment base
Soft Starter
Comprehensive service and coverage plans



Standard 60 Hz Performance

Model	Max pressure barg	Max pressure psig	Nominal power kW	Nominal power hp	Capacity (FAD)* m³/min	Capacity (FAD)* cfm	Dimensions (L x W x H) mm	Dimensions (L x W x H) in	Weight (Air-cooled) kg	Weight (Air-cooled) lb	Weight (Water-cooled) kg	Weight (Water-cooled) lb
RS45i	7.6	110	45	60	9.1	321	2,433 x 1,250 x 2,032	96 x 49 x 80	1,841	4,059	1,746	3,849
RS45i	8.6	125	45	60	8.4	298			1,841	4,059	1,746	3,849
RS45i	10.0	145	45	60	7.6	267			1,841	4,059	1,746	3,849
RS45i	13.8	200	45	60	6.0	210			1,841	4,059	1,746	3,849
RS55i	7.6	110	55	75	11.0	387			1,936	4,268	1,841	4,059
RS55i	8.6	125	55	75	10.2	360			1,936	4,268	1,841	4,059
RS55i	10.0	145	55	75	9.5	335			1,936	4,268	1,841	4,059
RS55i	13.8	200	55	75	7.5	266			1,936	4,268	1,841	4,059
RS75i	7.6	110	75	100	14.7	518			1,962	4,325	1,867	4,116
RS75i	8.6	125	75	100	14.1	499			1,962	4,325	1,867	4,116
RS75i	10.0	145	75	100	13.2	465			1,962	4,325	1,867	4,116
RS75i	13.8	200	75	100	10.9	384			1,962	4,325	1,867	4,116

Total Air System (TAS) 60 Hz Performance

Model	Max pressure barg	Max pressure psig	Nominal power kW	Nominal power hp	Capacity (FAD)* m³/min	Capacity (FAD)* cfm	Dimensions (L x W x H) mm	Dimensions (L x W x H) in	Weight (Air-cooled) kg	Weight (Air-cooled) lb	Weight (Water-cooled) kg	Weight (Water-cooled) lb
RS45i	7.1	103	45	60	9.1	321	2,433 x 1,250 x 2,032	96 x 49 x 80	1,994	4,396	1,899	4,187
RS45i	8.1	118	45	60	8.4	298			1,994	4,396	1,899	4,187
RS45i	9.5	138	45	60	7.6	267			1,994	4,396	1,899	4,187
RS45i	13.3	193	45	60	6.0	210			1,994	4,396	1,899	4,187
RS55i	7.1	103	55	75	11.0	387			2,089	4,605	1,994	4,396
RS55i	8.1	118	55	75	10.2	360			2,089	4,605	1,994	4,396
RS55i	9.5	138	55	75	9.5	335			2,089	4,605	1,994	4,396
RS55i	13.3	193	55	75	7.5	266			2,089	4,605	1,994	4,396
RS75i	7.1	103	75	100	14.7	518			2,115	4,663	2,020	4,454
RS75i	8.1	118	75	100	14.1	499			2,115	4,663	2,020	4,454
RS75i	9.5	138	75	100	13.2	465			2,115	4,663	2,020	4,454
RS75i	13.3	193	75	100	10.9	384			2,115	4,663	2,020	4,454



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