

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

15-30 hp (11-22 kW), 60 Hz i and n Models



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

[See Our Entire Portfolio of Oil-flooded Compressors](#)

World-Class Performance

- Rugged, dependable airend delivers the efficiency and airflow you need
- IE3 premium TEFC motor and optional variable speed drive (VSD) decrease energy demands
- Leak-free technology provides repeatable connections via PTFE hoses and O-ring seals
- Reliable components, including two-stage air filters and elastomeric O-rings
- PlannedCARE™ service program ensures proper maintenance and longer product life
- Enhanced serviceability reduces maintenance
- XS-Series controllers deliver increased control functionality
- Removable service doors provides quick, easy access to all user-maintainable components
- Optional Total Air System with integrated dryer minimizes installation costs and reduces footprint



Standard Features	Optional Features
Rugged, dependable airend	Total Air System (TAS) package with integrated air dryer
Energy saving, intuitive XS-110 Series controller with remote access	Ultra EL lubricant (extended 16,000-hour life)
Air-cooled cooling system	Ultra FG lubricant (food grade)
PTFE hoses, leak-free connections	Power outage automatic restart option (PORO)
Noise attenuation enclosure with removable doors for easy service access	Flow control inlet modulation
Packaged pre-filtration	Phase monitor protection
Long-life Ultra Coolant with 8,000-hour life	Comprehensive service and coverage plans
Long-life filtration and separation elements	Moisture separator with auto-drain
Wye-Delta reduced voltage starter	Outdoor modification
IE3/NEMA Premium® TEFC motor	Low ambient
IP54 enclosure, rated for 104°F (40°C) ambient operation	

i Standard 60 Hz Performance					
Model	Nominal power hp	Max pressure psig	Capacity (FAD)* cfm	Dimensions (L x W x H)** in	Weight (Air-cooled)** lb
RSa11i	15	110	67.3	30.3 x 34.0 x 45.7	977
RSa11i	15	125	62.2		
RSa11i	15	145	54.7		
RSa15i	20	110	87.1		
RSa15i	20	125	81.0		
RSa15i	20	145	75.0		
RSa15i	20	200	58.8		
RSa18i	25	110	107.5		
RSa18i	25	125	102.7		
RSa18i	25	145	96.8		
RSa18i	25	200	75.1		
RSa22i	30	110	126.0		
RSa22i	30	125	120.2		
RSa22i	30	145	111.3		
RSa22i	30	200	91.7		

n Standard 60 Hz Performance					
RSa15n	20	145	75.0	30.3 x 34.6 x 45.7	1,036
RSa18n	25	145	89.0		
RSa22n	30	145	108.7		

i Total Air System (TAS) 60 Hz Performance					
Model	Nominal power hp	Max pressure psig	Capacity (FAD)* cfm	Dimensions (L x W x H)** in	Weight (Air-cooled)** lb
RSa11i-TAS	15	103	67.3	59.9 34.3 x 45.7	1,559
RSa11i-TAS	15	118	62.2		
RSa11i-TAS	15	138	54.7		
RSa15i-TAS	20	103	87.1		
RSa15i-TAS	20	118	81.0		
RSa15i-TAS	20	138	75.0		
RSa15i-TAS	20	193	58.8		
RSa18i-TAS	25	103	107.5		
RSa18i-TAS	25	118	102.7		
RSa18i-TAS	25	138	96.8		
RSa18i-TAS	25	193	75.1		
RSa22i-TAS	30	103	126.0		
RSa22i-TAS	30	118	120.2		
RSa22i-TAS	30	138	111.3		
RSa22i-TAS	30	193	91.7		

n Total Air System (TAS) 60 Hz Performance					
RSa15n-TAS	20	145	75.0	59.9 x 34.6 x 45.7	1,618
RSa18n-TAS	25	145	89.0		
RSa22n-TAS	30	145	108.7		

*FAD (Free Air Delivery) is full package performance including all losses, tested per ISO 1217:2009 Annex C **Weights and dimensions are for base model only, and do not include receiver tank



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