



Next Generation R Series 90 - 160 kW Oil Flooded Rotary Screw Compressors

Ingersoll Rand works to keep you ahead of your competition with the Next Generation R-Series air compressors that boost productivity and lower total cost of ownership through industry leading energy efficiency, reliability and best-in-class performance. The integrated Helix™ Connected Platform leverages the latest in IIoT technology to deliver continuous real-time monitoring to enable maximum operational uptime.



Features

- **Improved Efficiency and Air Flow:** Best-in-class airend design features optimized rotor profile that delivers up to 18% improved efficiency and best-in-class airflow capacity
- **Leak-free Design:** V-Shield Technology provides a totally integrated, leak-free design featuring PTFE stainless steel braided oil hoses and O-ring face seals
- **Remote Intelligent Control:** XS-Series controller delivers increased control functionality through an intuitive user interface. The status of the compressor is continuously monitored and immediate action is taken if an abnormal operating condition occurs.

- **Minimized Energy Use:** NEMA Premium® efficiency motor delivers significant energy savings. Additionally, the compressor meets DOE TSL2 efficiency requirements
- **Reduced Downtime:** Progressive Adaptive Control (PAC™) monitors key operating parameters and continuously adapts to prevent unexpected downtime
- **Integrated with Helix™ Connected Platform,** a state-of-the-art system that gives you real-time insights and data to keep your compressor operating at peak performance and reduce the risk of downtime

Model Specifications

TechnicalData

| Model | Max pressure(barg) | Nominal power (kW) | Capacity (FAD)* m3/ min | Dimensions(L) mm | DimensionsW (mm) | DimensionsH (mm) | Weight (kg) |
|-------------|--------------------|--------------------|-------------------------|------------------|------------------|------------------|-------------|
| RS90IA7.5 | 7.5 | 93 | 18.7 | 2803 | 1404 | 2107 | 2454 |
| RS90IA8.5 | 8.6 | 93 | 18 | 2803 | 1404 | 2107 | 2454 |
| RS90IA10 | 10 | 93 | 16.6 | 2803 | 1404 | 2107 | 2454 |
| RS110IA7.5 | 7.5 | 112 | 22.4 | 2803 | 1404 | 2107 | 2454 |
| RS110IA8.5 | 8.6 | 112 | 20.8 | 2803 | 1404 | 2107 | 2454 |
| RS110IA10 | 10 | 112 | 20 | 2803 | 1404 | 2107 | 2454 |
| RS90IEA7.5 | 7.5 | 90 | 19.3 | 2855 | 1899 | 2107 | 3270 |
| RS90IEA8.5 | 8.5 | 90 | 18.2 | 2855 | 1899 | 2107 | 3270 |
| RS90IEA10 | 10 | 90 | 16.4 | 2855 | 1899 | 2107 | 3270 |
| RS90IEA14 | 14 | 90 | 13 | 2855 | 1899 | 2107 | 3270 |
| RS110IEA7.5 | 7.5 | 110 | 23.5 | 2855 | 1899 | 2107 | 3364 |
| RS110IEA8.5 | 8.5 | 110 | 22.1 | 2855 | 1899 | 2107 | 3364 |
| RS110IEA10 | 10 | 110 | 20 | 2855 | 1899 | 2107 | 3364 |
| RS110IEA14 | 14 | 110 | 16.4 | 2855 | 1899 | 2107 | 3364 |
| RS132IEA7.5 | 7.5 | 132 | 27.7 | 2855 | 1899 | 2107 | 3646 |
| RS132IEA8.5 | 8.5 | 132 | 26.2 | 2855 | 1899 | 2107 | 3646 |
| RS132IEA10 | 10 | 132 | 23.8 | 2855 | 1899 | 2107 | 3646 |
| RS132IEA14 | 14 | 132 | 19.6 | 2855 | 1899 | 2107 | 3646 |
| RS160IEA7.5 | 7.5 | 160 | 31.9 | 2855 | 1899 | 2107 | 4194 |
| RS160IEA8.5 | 8.5 | 160 | 31 | 2855 | 1899 | 2107 | 4194 |
| RS160IEA10 | 10 | 160 | 28.9 | 2855 | 1899 | 2107 | 4194 |
| RS160IEA14 | 14 | 160 | 23.9 | 2855 | 1899 | 2107 | 4194 |
| RS90IEW7.5 | 7.5 | 90 | 19.3 | 2855 | 1899 | 2107 | 3478 |
| RS90IEW8.5 | 8.5 | 90 | 18.2 | 2855 | 1899 | 2107 | 3478 |
| RS90IEW10 | 10 | 90 | 16.4 | 2855 | 1899 | 2107 | 3478 |
| RS90IEW14 | 14 | 90 | 13 | 2855 | 1899 | 2107 | 3478 |
| RS110IEW7.5 | 7.5 | 110 | 23.5 | 2855 | 1899 | 2107 | 3572 |
| RS110IEW8.5 | 8.5 | 110 | 22.1 | 2855 | 1899 | 2107 | 3572 |
| RS110IEW10 | 10 | 110 | 20 | 2855 | 1899 | 2107 | 3572 |
| RS110IEW14 | 14 | 110 | 16.4 | 2855 | 1899 | 2107 | 3572 |
| RS132IEW7.5 | 7.5 | 132 | 27.7 | 2855 | 1899 | 2107 | 3854 |
| RS132IEW8.5 | 8.5 | 132 | 26.2 | 2855 | 1899 | 2107 | 3854 |
| RS132IEW10 | 10 | 132 | 23.8 | 2855 | 1899 | 2107 | 3854 |

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|-------------|-----|-----|------|------|------|------|------|
| RS132IEW14 | 14 | 132 | 19.6 | 2855 | 1899 | 2107 | 3854 |
| RS160IEW7.5 | 7.5 | 160 | 31.9 | 2855 | 1899 | 2107 | 3986 |
| RS160IEW8.5 | 8.5 | 160 | 31 | 2855 | 1899 | 2107 | 3986 |
| RS160IEW10 | 10 | 160 | 28.9 | 2855 | 1899 | 2107 | 3986 |
| RS160IEW14 | 14 | 160 | 23.9 | 2855 | 1899 | 2107 | 3986 |



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