

# Contact-Cooled Rotary Screw Air Compressors

R-Series 30-37kW

Fixed and Variable Speed Drives



Ingersoll Rand's new R-Series 30-37 kW contact-cooled rotary screw air compressors offer the very best of time-proven designs and new technologies, integrating advanced features such as our Progressive Adaptive Control™ Protection, V-Shield™ Technology, Independent Cooling System and the new Xe-Series controller that ensure the highest levels of reliability, efficiency and productivity available today.

- A fully integrated sensor and control system that monitors differential pressure and warns you when the air, coolant and separation filtration elements are nearing the end of their lives
- Automatically adapts to separator and pre-filter fouling by adjusting the delivered output pressure or delivered flow
- Utilizes an all new thermal valve that maintains a constant oil temperature to keep water from condensing in low flow and low ambient conditions

- Proactive monitoring and conditioning incoming power through the use of a fully integrated line reactor
- Critical fittings use Viton O-ring elastomer face seal connections, forming a tight, positive seal that is virtually distortion- and leak-free
- Highly efficient gear driven system that is efficient and stable functioning to increase service life
- Innovative separate cooling system utilizes a non-welded cooler design that virtually eliminates thermal stresses to ensure better performance for the cooler system
- Ergonomic spin-on separator and oil filters make service and maintenance easy
- Standard hi-dust inlet filter and package pre-filter guarantees air quality and reduces time for cooler cleaning
- Standard variable speed drive (VSD) motor, suitable for working conditions, significantly saves energy for customers
- Energy-saving Total Air System (TAS) mode with standard HE filter ensures the air quality (Air class:1.5.1)



- High-tech Xe-Series controller, satisfies all-around requirements from our customers

### **i** Ingersoll Rand FS 50 Hz features

Model		Maximum Pressure barg	Rated Power kW hp		Capacity (FAD)* m <sup>3</sup> /min	Dimensions mm in		Weight kg lb		Weight (TAS) kg lb	
R30i	R30i TAS†	7.5	30	40	5.4	1937 x 1056 x 1534	76 x 42 x 60	870	1918	972	2143
		8.5	30	40	5.2	1937 x 1056 x 1534	76 x 42 x 60	870	1918	972	2143
		10	30	40	4.8	1937 x 1056 x 1534	76 x 42 x 60	870	1918	972	2143
		14	30	40	3.9	1937 x 1056 x 1534	76 x 42 x 60	870	1918	972	2143
R37i	R37i TAS†	7.5	37	50	6.3	1937 x 1056 x 1534	76 x 42 x 60	910	2007	1012	2232
		8.5	37	50	6.1	1937 x 1056 x 1534	76 x 42 x 60	910	2007	1012	2232
		10	37	50	5.7	1937 x 1056 x 1534	76 x 42 x 60	910	2007	1012	2232
		14	37	50	4.7	1937 x 1056 x 1534	76 x 42 x 60	910	2007	1012	2232

### **n** Ingersoll Rand VSD 50 Hz features

Model		Maximum Pressure barg	Rated Power kW hp		Capacity m <sup>3</sup> /min	Dimensions mm in		Weight kg lb		Weight (TAS) kg lb	
R30n	R30n TAS†	4.5-10.0	30	40	1.8-5.5	1937 x 1056 x 1534	76 x 42 x 60	917	2022	1019	2246
R37n	R37n TAS†	4.5-10.0	37	50	2.3-6.6	1937 x 1056 x 1534	76 x 42 x 60	957	2110	1059	2335

\*FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217 : 2009 Annex C. at maximum pressure on TAS equipped units.

†TAS units deliver ISO Class 1-5-1 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%.



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