

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		Capacity (FAD)* m ³ /min	Dimensions		Weight		Weight (TAS)	
		kW	hp		mm	in	kg	lb	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		Capacity m ³ /min	Dimensions		Weight		Weight (TAS)	
		kW	hp		mm	in	kg	lb	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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mb air systems ltd

Company Directory:

149 Glasgow Road
Wishaw
Lanarkshire
ML2 7QJ
Tel 01698 355711
Fax 01698 359299

Wellheads Road
Farburn Industrial Estate
Dyce, Aberdeen
AB21 7HG
Tel 01224 723434
Fax 01224 723545

Fleming Close
Segensworth East
Fareham
Hampshire
PO15 5SB
Tel 01489 588398
Fax 01489 588381

8 Burford Way
Boldon Business Park
Boldon
Tyne & Wear
NE35 9PZ
Tel 0191 519 5500
Fax 0191 537 1105

E-mail sales@mbairsystems.co.uk
www.mbairsystems.co.uk
www.airwinch.co.uk



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