

# Contact-Cooled Rotary Screw Air Compressors

R-Series 90-160 kW (125-200 hp) 60 Hz

Ingersoll Rand R-Series compressors offer the highest levels of reliability, efficiency and productivity with time proven designs and advanced technologies.



- **Progressive Adaptive Control (PAC) Protection** continuously monitors key operating parameters and adapts to prevent unexpected downtime.
- **V-Shield Technology** provides a totally integrated, leak-free design.

- **Sequential Cooling System** significantly improves efficiency, serviceability and noise level.
- **Time-Proven Airends** provide market-leading efficiency and reliability.
- **Trouble-Free Operation** ensures increased uptime with features such as two-stage filtration, easy maintenance and extended life Ingersoll Rand premium grade coolant.

■ **The Xe-Series Controller**

- Features large navigation buttons and an intuitive, high resolution color display for easy compressor control.
- Provides web-enabled communication and control with email notification of warnings and trips.



Xe-145M option shown

Standard Features include:	Optional Features include:
Xe-90M Controller with 90 mm screen	Xe-145 controller with 145 mm screen
Progressive Adaptive Control (PAC™) Protection	Flow control by inlet modulation
Air-cooled sequential cooling system	Low ambient protection to -23°C (-10°F)* & frost protection to -10°C (14°F)
V-Shield™ technology	High ambient protection up to 55°C (131°F)
Ergonomic swing-out lid on separator tank	Premium high dust filtration (inlet and package pre-filters)
Noise attenuation enclosure	Fluid containment system
Package pre-filtration	Web-based graphing and trending
Long-life filtration and separation elements	Email notification of warnings and trips
12-month full package warranty	Energy Recovery System (ERS)
	Outdoor modification/rain protection

\* Available in North America Only

<b>i</b> Ingersoll Rand Standard – 60 Hz Performance										
Model	Max. Pressure		Nominal Power		Capacity (FAD)*		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m <sup>3</sup> /min	cfm	mm	in	kg	lb
R90i	7.5	110	90	125	17.58	621	2,703 x 1,466 x 2,032	106 x 58 x 80	2,420	5,335
	8.5	125	90	125	16.03	566	2,703 x 1,466 x 2,032	106 x 58 x 80	2,420	5,335
	10.0	145	90	125	14.47	511	2,703 x 1,466 x 2,032	106 x 58 x 80	2,420	5,335
	14.0	200	90	125	10.19	360	2,703 x 1,466 x 2,032	106 x 58 x 80	2,420	5,335
R110i	7.5	110	110	150	21.27	751	2,703 x 1,466 x 2,032	106 x 58 x 80	2,550	5,620
	8.5	125	110	150	19.54	690	2,703 x 1,466 x 2,032	106 x 58 x 80	2,550	5,620
	10.0	145	110	150	17.70	625	2,703 x 1,466 x 2,032	106 x 58 x 80	2,550	5,620
	14.0	200	110	150	13.73	485	2,703 x 1,466 x 2,032	106 x 58 x 80	2,550	5,620
R160i	7.5	110	160	200	27.89	985	2,855 x 1,836 x 2,032	112 x 72 x 80	2,926	6,450
	8.5	125	160	200	25.63	905	2,855 x 1,836 x 2,032	112 x 72 x 80	2,926	6,450
	10.0	145	160	200	24.49	865	2,855 x 1,836 x 2,032	112 x 72 x 80	2,926	6,450
	14.0	200	160	200	19.68	695	2,855 x 1,836 x 2,032	112 x 72 x 80	2,926	6,450

<b>ie</b> Ingersoll Rand Premium – 60 Hz Performance										
Model	Max. Pressure		Nominal Power		Capacity (FAD)*		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m <sup>3</sup> /min	cfm	mm	in	kg	lb
R90ie	7.5	110	90	125	18.80	664	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	8.5	125	90	125	17.41	615	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	10.0	145	90	125	16.06	567	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	14.0	200	90	125	13.00	459	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
R110ie	7.5	110	110	150	22.99	812	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	8.5	125	110	150	20.53	725	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	10.0	145	110	150	19.28	681	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	14.0	200	110	150	15.43	545	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
R160ie	7.5	110	160	200	29.17	1,030	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	8.5	125	160	200	27.47	970	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	10	145	160	200	25.57	903	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050
	14	200	160	200	20.53	725	2,855 x 1,836 x 2,032	112 x 72 x 80	3,198	7,050

<b>n</b> Ingersoll Rand Nirvana Standard – 60 Hz Performance										
Model	Max. Pressure		Nominal Power		Capacity (FAD)**		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m <sup>3</sup> /min	cfm	mm	in	kg	lb
R90n	4.5-10	65-145	90	125	8.47-18.83	299-665	2,703 x 1,466 x 2,032	106 x 58 x 80	2,060	4,540
R110n	4.5-10	65-145	110	150	8.47-21.86	299-772	2,703 x 1,466 x 2,032	106 x 58 x 80	2,060	4,540
R160n	4.5-10	65-145	160	200	8.47-28.12	299-993	2,855 x 1,836 x 2,032	112 x 72 x 80	2,363	5,210

<b>ne</b> Ingersoll Rand Nirvana Premium – 60 Hz Performance										
Model	Max. Pressure		Nominal Power		Capacity (FAD)**		Dimensions (Length x Width x Height)		Weight (Air-cooled)	
	bar g	psig	kW	hp	m <sup>3</sup> /min	cfm	mm	in	kg	lb
R90ne	4.5-10	65-145	90	125	8.86-19.54	313-690	2,855 x 1,836 x 2,032	112 x 72 x 80	2,495	5,500
R110ne	4.5-10	65-145	110	150	8.86-23.36	313-825	2,855 x 1,836 x 2,032	112 x 72 x 80	2,495	5,500
R160ne	4.5-10	65-145	160	200	8.86-30.02	313-1,060	2,855 x 1,836 x 2,032	112 x 72 x 80	2,495	5,500

\*FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and is measured at 0.5 bar g/10 psig lower than maximum pressure.

\*\*FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217:2009 Annex C and capacity range is measured at 7 bar g/100 psig.



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