

Centac® 5CII

1,500–4,600 kW (2,000–6,000 hp)
Centrifugal Air Compressors

Ingersoll Rand Centac® centrifugal air compressors continue the tradition of simplicity by design with fewer parts and integrated components to take compressed air reliability, efficiency and productivity to even higher levels.



- **ISO Class 0 100% oil-free air** under all operating conditions. Certified by TÜV Rheinland®.
- **Long-life Gears** are uniformly hardened and rated for 25 years to provide extreme reliability.
- **Backward Leaning Impellers** provide constant pressure control while maximising efficiency and turndown range.
- **Low Pressure Hydrodynamic Bearings** are completely non-contact, offering virtually unlimited life and minimal friction with 2–3 times the lifespan of traditional bearings.
- **Fully Floating, Non-Contact Carbon Ring Seals** minimise air leakage, prevent oil from migrating into the compressed air stream and provide significantly better performance than other technologies.

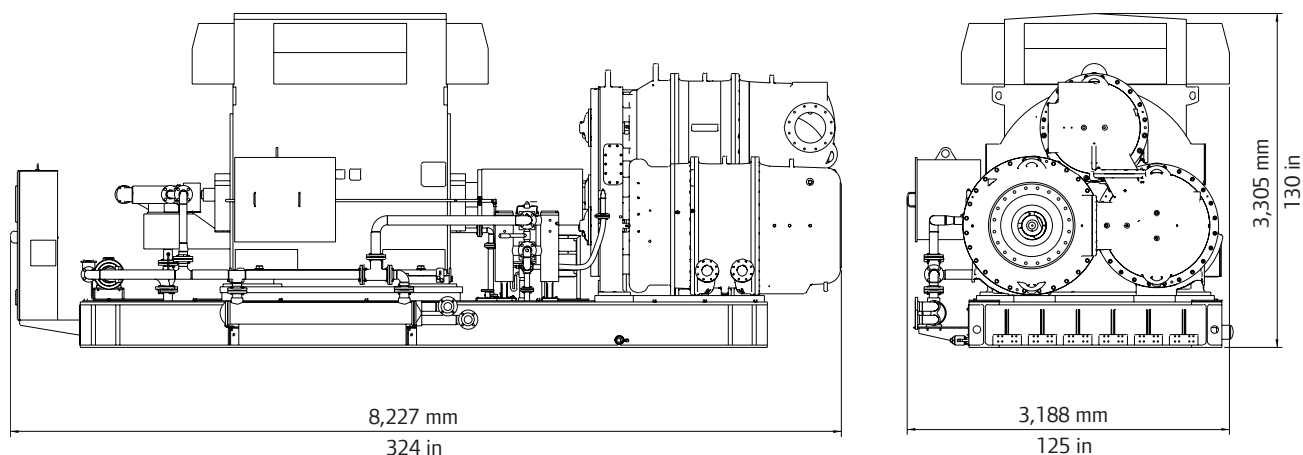
- **Vertical Split Casing** enables quick and easy access to main components.
- **Stainless Steel Moisture Separator** provides superior reliability and helps prevent corrosion, ensuring air quality.
- **Highly Efficient Coolers** maintain a low pressure drop and the large surface area provides maximum cooling efficiency. The integrated design reduces noise and results in a compact footprint.
- **Fully tested package** in accordance with ASME PTC 10.
- **Low installation**, maintenance and operating costs.



Xe-Series Controller

- **Advanced Xe-Series Controller** features an intuitive high resolution colour display with web-enabled communication and control.
- **History of reliability** with over 20,000 Ingersoll Rand Centac® centrifugal compressors in use worldwide.
- **Worldwide service** and parts support network.

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Standard Features Include:

Complete tested package with built-in lubrication and cooling systems	High resolution, web-enabled controller
Inlet air filter and bypass silencer (shipped separately)	Auto-dual and constant pressure control
Built-in aftercooler	Remote communication and compressor control
Mounted discharge check valve	Stage data - pressure, temperature and vibration readout
Condensate traps, piped and mounted	Long life, Techtrol Gold compressor lubricant
Electrical control package	Certified ISO Class 0 oil-free air

Model	Nominal Capacity		Pressure		Power		Dimensions (Length x Width x Height)		Weight	
	m ³ /m	cfm	bar g	psig	kW	HP	mm	in	kg	lb
5CII	450-850	16,000-30,000	3.1-10.3	45-150	1,500-4,600	2,000-6,000	8,227 x 3,188 x 3,305	324 x 125 x 130	9,550	21,000

Weights and dimensions are estimated and will vary with scope and options selected. Performance is nominal. Please contact Ingersoll Rand for specific data.



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