

# Centac® 3CII

670-1,600 kW (900-2,000 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.



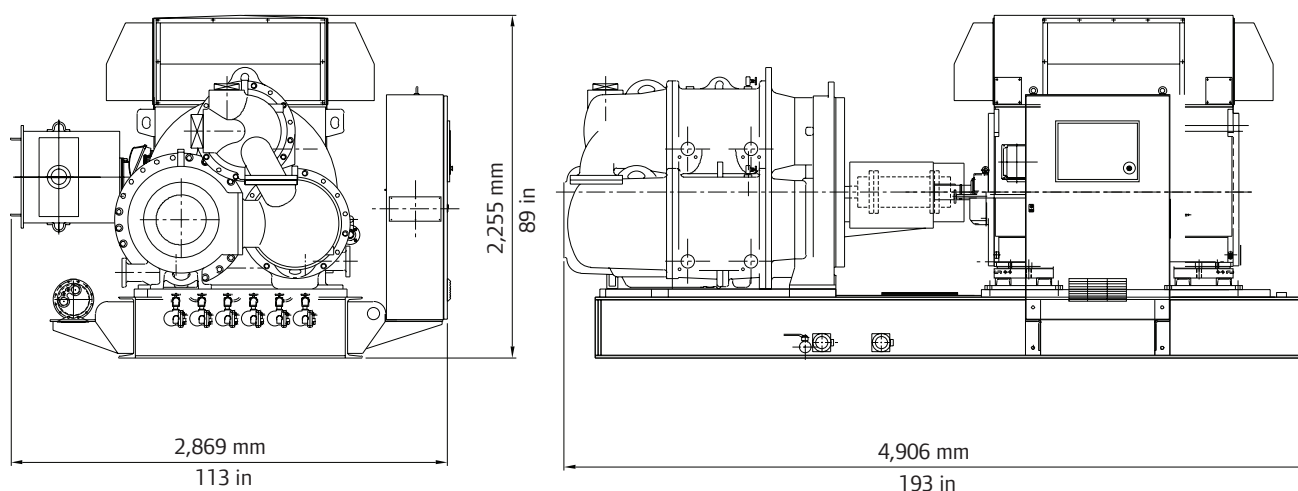
ISO 8573  
Class 0  
Oil-Free Air

- **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.
- **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.
- **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.



Xe-Series Controller

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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 <sup>3</sup> /m	cfm	bar g	psig	kW	HP	mm	in	kg	lb
3CII	187-280	6,600-10,000	3.1-10.3	45-150	670-1,600	900-2,000	4,906 x 2,869 x 2,255	193 x 113 x 89	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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