



MSG[®] Centac[®] C700 Variable Speed Centrifugal Air Compressor

Our MSG Centac centrifugal air compressors are the most efficient and reliable air compressors on the market. Their packaged design makes them easy to install wherever needed. Every component of these compressors is mounted, piped and wired for convenient, single-point air and electrical connection.

Features

VARIABLE SPEED ADVANTAGE

The new Ingersoll Rand MSG Centac C700n variable speed centrifugal air compressor optimizes your total cost of ownership by reducing energy consumption over a wide turndown range. An innovative combination of frequency drive and inlet guide vane throttling results in reduced power consumption and ensures reliability, even in varying ambient conditions.

RELIABILITY | SUPERIOR DESIGN, SUPERIOR LIFE

- Increased natural surge point due to VSD control increases system stability and ensures trouble-free operation
- Fewer moving parts means less downtime
- Dynamically balanced rotor assemblies ensure extremely low vibration
- Carbon ring seals minimize air leakage
- Lowers cost of ownership

EFFICIENCY | OPTIMIZED COMPONENTS AND SYSTEMS



- Increased throttling range allows you to avoid unnecessary blow-offs of excess compressed air
- Multi-stage compressors combine performance with energy savings
- Advanced impeller design provides maximum pressure control over the widest operating range
- Reduction of power consumption in throttled conditions reduces energy use and operating costs

PRODUCTIVITY | USER-FRIENDLY OPERATION AND ACCESSIBILITY

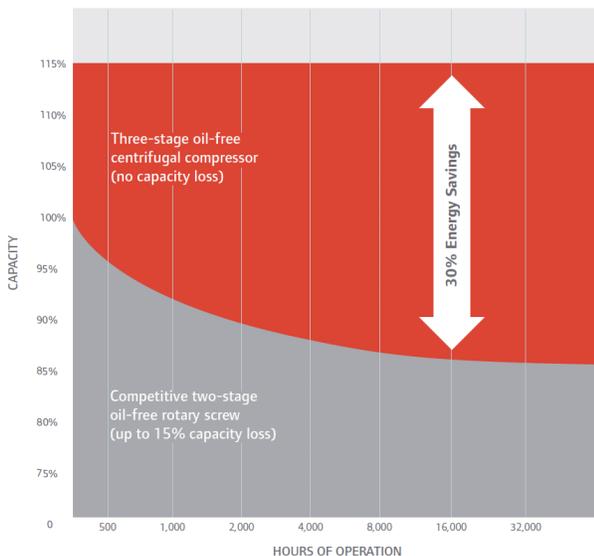
- Greater maximum obtainable flow eliminates need to oversize compressor for infrequent spikes in air demand
- Reduction in starting current and power factor improvement simplify electrical installation
- Easy-access components make maintenance faster and easier
- Simplified compressor design provides longer intervals between maintenance
- Maximizes uptime

GREATER CAPACITY FOR GREATER EFFICIENCY

Ingersoll Rand centrifugal compressors offer up to a 15% capacity advantage over competitive two-stage, oil-free compressors. This advantage increases to as much as 30% as our capacity remains constant, while competitive capacities decrease by up to 15%.

Class 0 ISO 8573 Oil-Free Air

Oil-Free, Risk Free The first to be certified ISO 8573-1:2001 Class 0, our oil-free centrifugal compressors offer efficient, economical and reliable solutions for delivering compressed air. These high-performing, versatile compressors provide 100% oil-free air in all operating conditions.



Model Specifications

ModelName	Flow (m3min / cfm)	Height (cm / in)	Width (cm / in)	Length (cm / in)	Rated Pressure (barg / psig)	Nominal Power (kW / hp)	Weight (kg / lbs)
C700	54-119 / 1,900-4,200	201 / 79	209 / 82	457 / 180	3.1-10.3 / 45-150	200-700 / 300-900	9,550 / 21,000

Parts & Accessories



MSG® Centac® Centrifugal Compressor Replacement Parts



Centrifugal Oil Filters



Tectrol Gold Centrifugal Compressor Lubricant



Xe-145F Series Centrifugal Compressor Controller



Field Overhaul Services



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit www.ingersollrand.com.