



## MSG<sup>®</sup> TURBO-AIR<sup>®</sup> 2000 Centrifugal Air Compressor

The MSG TURBO-AIR 2000 was built on a standard frame, featuring a wide arrangement of air flow components, designed for easy, low-cost installation and operation. The MSG TURBO-AIR 2000 was designed with a built-in aftercooler that eliminates the need for a separate pipeline type cooler, and a packaged check valve for faster installation and easier maintenance.

### Features

#### COMPONENTS

- **Impellers:** Five-axis-milled impellers designed and manufactured with advanced techniques and methods
- **Vaned Diffusers:** Optimized vane design and placement for increased efficiency
- **Lubrication System:** Self-contained, low-pressure lubrication system
- **Intercoolers/Aftercooler:** Water-in-tube intercooler and aftercooler bundles slide out for easy inspection and cleaning
- **Advanced Pinion Bearing Design:** Designed for extended life and operation at any operational load.
- **Seals:** Designed with non-contacting and non-wearing labyrinth air and oil seals. No buffer air required for oil-free air. Do not require periodic replacement like carbon ring seals.
- **Horizontally Spilt Gearbox:** Allows for easy access when the jobsite maintenance policy requires periodic inspection.
- **Variable Inlet Guide Vanes:** Variable inlet guide vanes can offer power savings of up to 9% when operating in turndown. Inlet guide vanes impart a whirling motion to the inlet air flow in the same direction as the impeller operation, reducing the work input. Net power savings can be realized at reduced flow or on days colder than the design temperature. Inlet guide vanes are positioned close to the inducer of the impeller to maximize performance.



#### LOW TOTAL COST OF OWNERSHIP:

Over time, the energy required to power a compressed air system is the largest cost associated with a compressor; particularly in today's fluctuating energy markets. That is why, to accurately determine the return on your investment, it is important to consider the total life-cycle cost of operating the compressor, including the initial investment, energy consumption and maintenance costs.

As the chart to the right demonstrates, the MSG TURBO-AIR 6000 provides some of the lowest total lifecycle costs of any compressor, including dry screw, variable speed drive (VSD) screw and other centrifugal compressors.

Compared to other machines of similar capacity, MSG TURBO-AIR 6000 compressors are one of the most efficient oil-free compressors at full load, part load and no load.

The power savings delivered can significantly speed up the payback on your initial investment, and the savings continue to build the more you use the MSG TURBO-AIR 6000.

## Model Specifications

| Specification        | Metric                 | Imperial    |
|----------------------|------------------------|-------------|
| Standard Input Power | 93-260kw               | 125-350hp   |
| Discharge Pressure   | 3.5-10.3 barg          | 50-150psig  |
| Inlet Flow           | 15-50m <sup>3</sup> /m | 500-1800cfm |
| Weight               | 5543 kg                | 12000lb     |

## Parts & Accessories



Field Overhaul Services



MSG® TURBO-AIR®  
Centrifugal Compressor



About Ingersoll Rand Inc. Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit [www.IRCO.com](http://www.IRCO.com).