

REV IT UP



INTRODUCING THE

REVOLUTION



The Hoffman® Revolution, a new line of high speed centrifugal blowers using break-through technologies, is designed as the world's most advanced energy management blower system. The first in this family of blowers, the R-200 and R-300 are capable of flows from 2,500–8,500 CFM and pressures from 3–15 PSIG.



The Revolution takes performance and power savings to new heights of efficiency, reliability and control. Designed, built and tested in the United States, this breakthrough high speed centrifugal blower incorporates an infinite life cycle magnetic bearing driven by a permanent synchronous magnetic motor (PMSM) with a variable frequency drive (VFD). The Revolution features the most advanced and proprietary surge controller in the industry for optimized turndown, longer equipment life, and virtually no downtime.



Uniquely, the Revolution knows the exact position of the rotor and actual surge point, regardless of changing environmental conditions. It precisely controls surge and speed to leverage turndown and maximize power savings.

Benefits include:

- Plug-and-play operation
- 25%–45% energy savings
- Increased reliability
- Minimal maintenance
- Low sound levels
- Small footprint
- Reduced construction and installation costs

EFFICIENCY

Industry leading efficiencies are built into every aspect of the Revolution. By leveraging single stage technology, efficiency is kept at the **highest** point—at any speed. In addition, with up to 45% power savings, the **Revolution pays for itself.**

PERFORMANCE

Proven active magnetic bearing technology, proprietary surge control, PMSM, HMI touch screen and PLC, current source inverter VFD, all **factory** pre-wired and **tested** in an ergonomically designed sound enclosure.



EXCELLENCE

Durable, reliable, and efficient, every Hoffman® blower represents the highest **quality** workmanship. We have leveraged decades of **experience** and ingenuity to develop a customer **solution** that sets new standards in efficiencies, reliability, and savings.

CONTROL

The Revolution **maximizes** turndown on ever-changing inlet air conditions and demand through its **proprietary algorithm.** It provides early detection of surge and takes corrective action. This **control** yields less wasted air, lower annual energy costs, and longer equipment life.

THE REVOLUTION™ A SMALLER FOOTPRINT

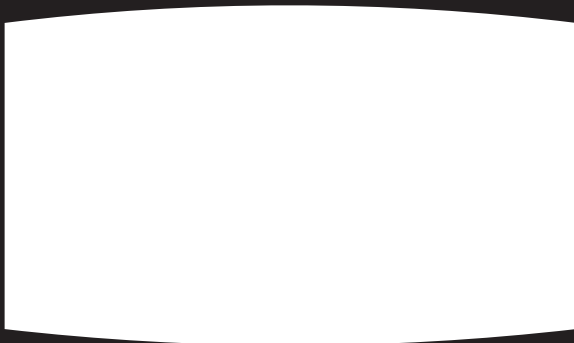


105" Length = The Revolution

206" Length = Traditional 300 hp Blower

66%
LESS WEIGHT

51%
SHORTER LENGTH



**Gardner
Denver**

www.HoffmanRevolution.com cf.blowers@gardnerdenver.com

Gardner Denver, Inc. 100 Gardner Park, Peachtree City, GA 30269
 New Equipment Sales: (800) 543-7736 Phone: (770) 632-5000 Fax: (700) 486-5628
 Aftermarket Parts Sales: (800) 982-3009 Phone: (770) 632-5000 Fax: (700) 486-5530

Specifications subject to change without notice.



Please recycle after use.



Member

