

FANTASTICS

A Quarterly Industrial Ventilation Newsletter

Second Quarter 2018



Company News

- **HARTZELL AIR MOVEMENT** announces a 4.5% price increase effective May 7th, 2018.
- **AMERICAN COOLAIR** announces a 5.9% price increase effective May 1st, 2018.
- **PRICE INCREASES** for both fan and motor manufacturers come as a result of the recent tariffs for aluminum and steel.
- **BALDOR** announces a food-safe, stainless steel product line for CIP procedures. These motors exceed IP69K construction.
-



VSI News

- **VENTILATION SPECIALISTS, INC.** has been appointed to represent Industrial Air Technology lines of large centrifugal blowers with capabilities up to 400,000 CFM.
- **VENTILATION SPECIALISTS, INC.** has just completed replacing 47 power roof ventilators for a central Florida warehouse project.

Engineering Report

How to increase existing exhaust or supply systems:

The fan laws govern what increases can be achieved as related to airflow (CFM), static pressure (S.P.), horsepower (BHP), and fan speed (RPM.) The fan laws only work for one specific system. If the system changes, the fan laws would only apply to the changed system.

- A. CFM & RPM are linear. If CFM doubles, RPM also doubles.
- B. Static pressure moves up as the square. If CFM and RPM double, S.P. goes up $(2)^2 = 4$ times.
- C. Horsepower moves up as the cube. If CFM and RPM doubles, S.P. goes up $(2)^3 = 8$ times.

VENTILATION SPECIALISTS, INC.

PO Box 750, Winter Haven, FL 33882

Phone: 863-299-8234 / 863-299-3999 / 863-324-4000 Fax: 863-294-3646

Email: vsifans@tampabay.rr.com / Website: www.vsifans.com

*INDUSTRIAL VENTILATION, DUST COLLECTION, FUME EXHAUST
ODOR CONTROL, PEOPLE COOLING, PROCESS VENTILATION,
CORROSIVE AND EXPLOSIVE APPLICATIONS*

DESIGN - EQUIPMENT - INSTALLATION - ELECTRICAL