



**J&D**  
**Manufacturing**

Recirculation Fan

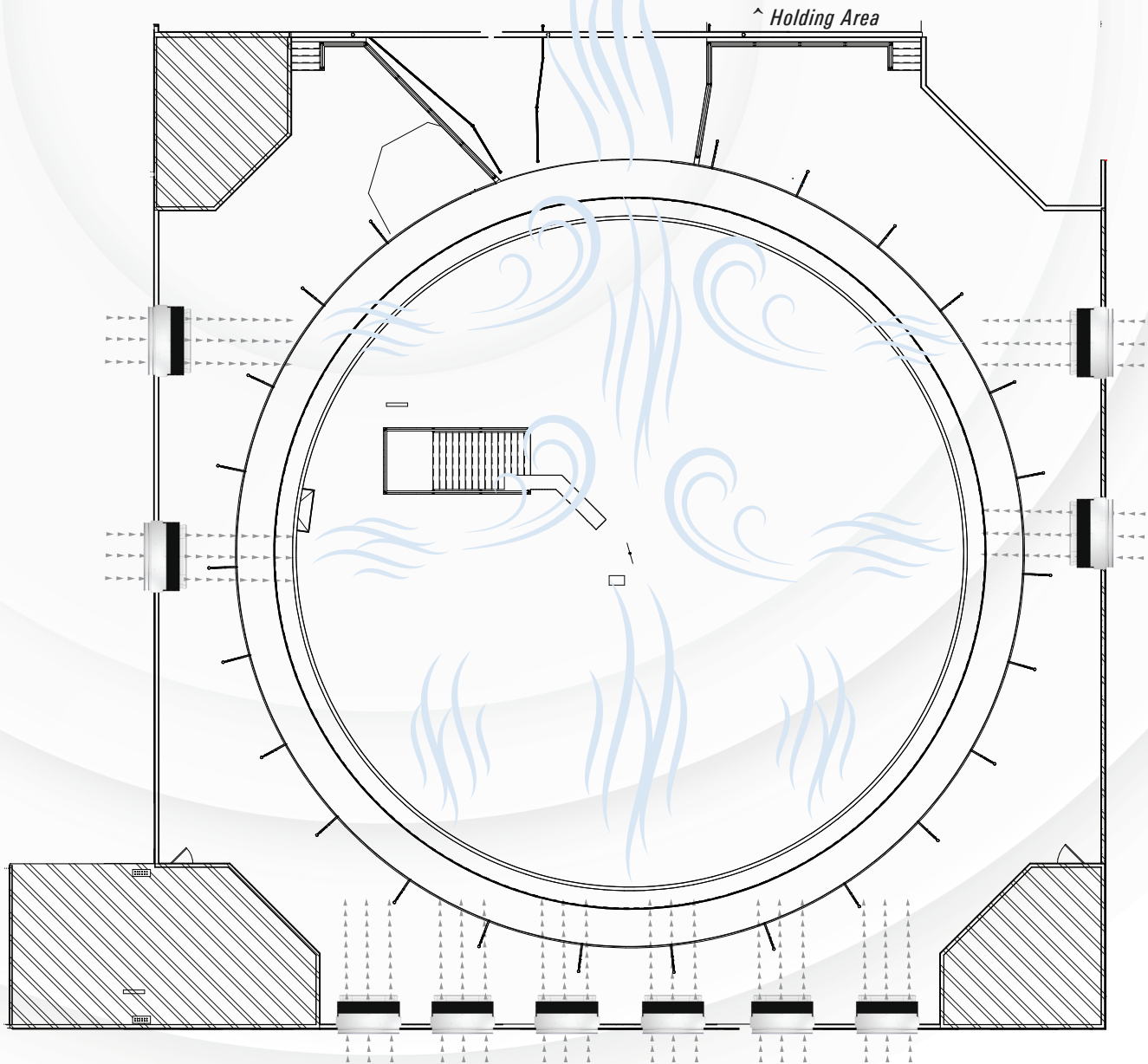
**THE FORCE**  
**POSITIVE PRESSURE FAN**

# What is Positive Pressure?

Forcing air into your building is positive pressure. Positive pressure helps with dust suppression and keeping a clean facility. No matter how new a building is, or how tight a building is sealed, there will always be leaks. Stop chasing leaks. With positive pressure, clean air will be leaked out of the building. Negative pressure allows dirty, contaminated air to leak in. Stay positive, and have your ideal indoor climate.

## • **PARLORS – PERFECT FOR POSITIVE PRESSURE**

Why? The last thing a dairy farmer wants to do is introduce dust, contaminants, bacteria and disease into their milk. By positively pressurizing the milking parlor, contaminated air will not creep in from the holding area. This will make the parlor much more sanitary.



## • **FULL FILTRATION FACILITIES – FABULOUS FOR POSITIVE PRESSURE**

Why? If full filtration is required for your application, the last thing you want to do is negatively pressurize your facility. Unfiltered air will creep into the facility through leaks. With positive pressure, filtered air will leak out. Don't allow dirty air to be drawn in.

# How can *you* benefit from ***The Force***?

Variable speed & highly efficient at lower speeds

- **Control your Static Pressure**

Increase RPMs for higher pressure, decrease RPMs for a lower pressure inside your facility.

- **Worry-Free Assembly**

The Force will come mostly assembled. The fan and shutter will come assembled and the motor, actuator, and transformer will be wired. All a producer will have to do is mount the guards to the fan. Don't spend time putting together numerous parts on numerous fans. Let the professionals handle that for you!



## BEST ENERGY EFFICIENCY

- Variable speed - no VFD needed
- Precise and uniform speed control



## MAINTENANCE FREE

- No belts, pulleys, tensioners, bearings, or gears
- Rugged, corrosion-resistant housing



## GREAT PERFORMANCE

- **34,557 CFM @ 0.05"SP**
- 30+ CFM/Watt when you decrease RPMs



## BEST FOR RETROFITTING

- Don't have to accommodate large cone

# The Force

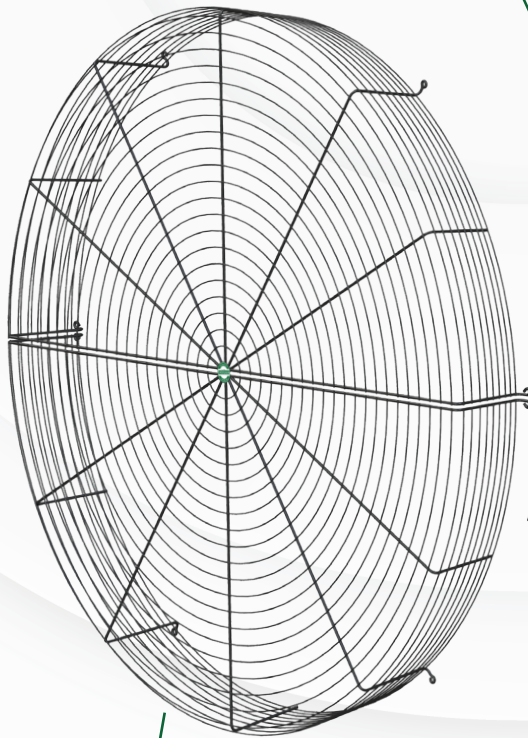
## Prop

- 3 Glass-filled poly composite blades for durability
- Die-cast aluminum hub
- Airfoil profile
- Optimally pitched for increased performance



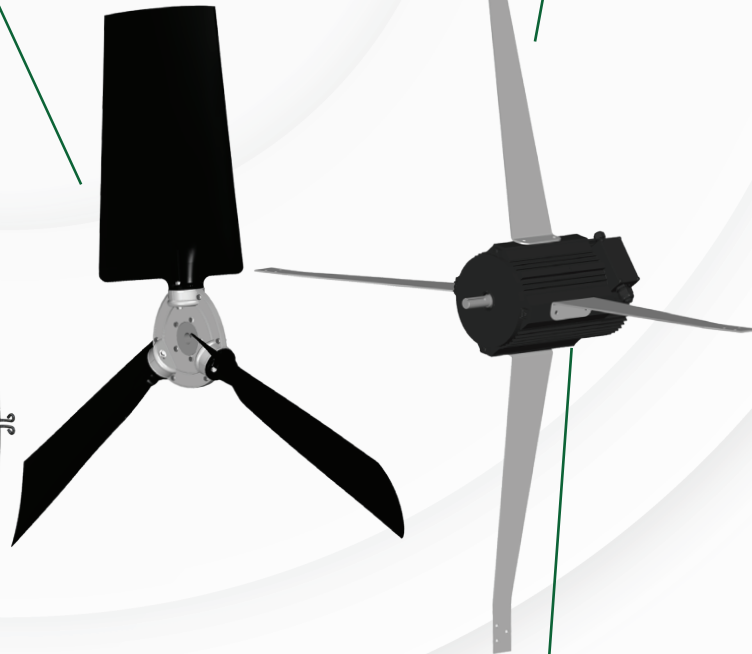
## Motor Frame

- Motor-centric with minimal air impedance
- Superior strength and rigidity to minimize vibration



## Guard

- Corrosion-resistant stainless-steel



## JD-Drive Motor

- PM Direct Drive, efficient 2.2kW motor
- Internal Motor Drive
  - Soft Start
  - Variable speed
  - Precise and uniform speed control
- Surge Protected



- IP65-Rated
- Industrial extruded aluminum housing
- Will not interfere with RFID
- Pre-wired with 8' line power cord and 8' signal cord

# Positive Pressure Fan



## Housing

- Rugged, corrosion-resistant poly
- Precision injection molded

## Actuated Shutter

- IP66-Rated
- Aluminum housing
- When used with the transformer/power supply we provide, there will be overload protection and will accept any domestic input voltage

# Proven Performance Data

## Save Time & Money

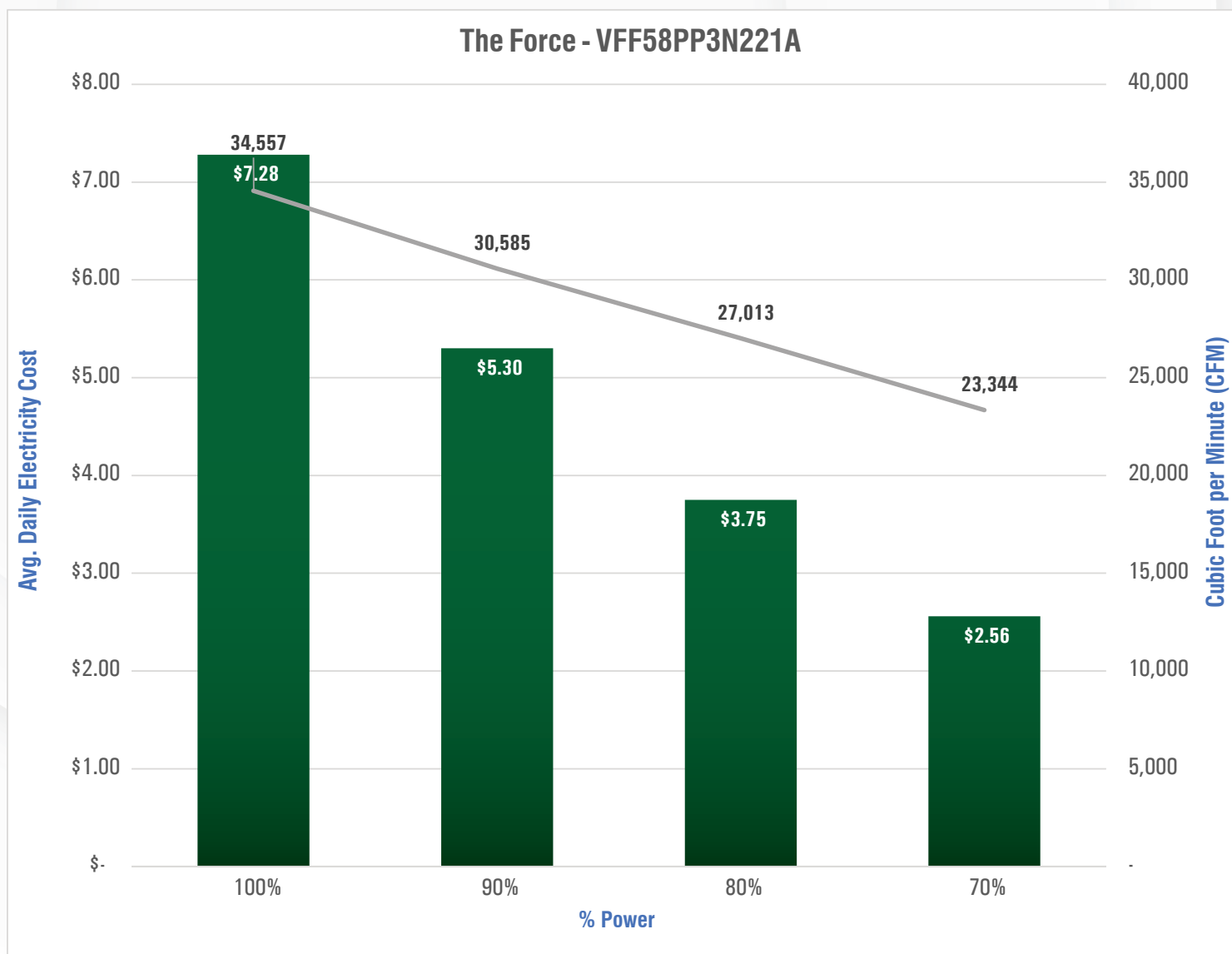
Maintenance-Free

Energy-Efficient

Variable Speed

#Request  
The Test

**Force**  
fresh air  
into your  
building.



### ***Positive Pressure = Greater Control***

Reap the benefits of a positive pressure facility without breaking the bank. Due to its sleek and compact design, The Force can easily be added to an existing barn or building. The JD-Drive allows it to run at variable speed without a VFD, and save a producer significant energy costs. Still get 23,000+ CFM for, on average, \$2.56/day. Dust suppression and insect exclusion were never so cheap.

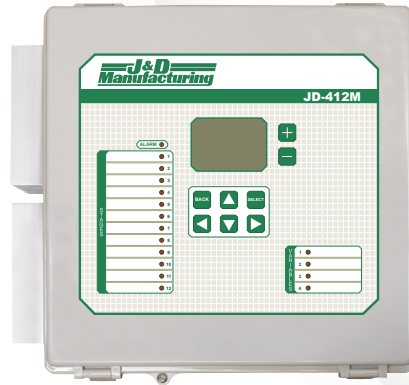
# What controls *The Force*?

Use any of these J&D controls to control your positive pressure fan. The Force requires a 0-10V analog out signal *AND* a dry contact on/off signal.



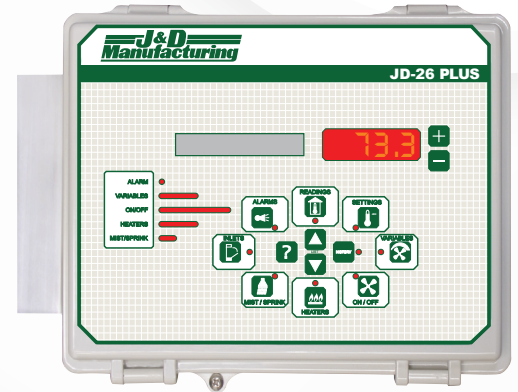
## Pulse Control

With the Pulse, you can control your systems with the touch of a finger remotely on your smartphone, tablet, or computer.



## JD-412M with JDM010

One control for multiple zoned buildings. Great for large facilities requiring 4 sensor inputs, or smaller separate environments.



## JD-26 PLUS with JDM010

Eight Stage Ventilation Control - The JD26 PLUS ventilation control includes two independent variable stages (12 FLA) and six relay stages (12 FLA).



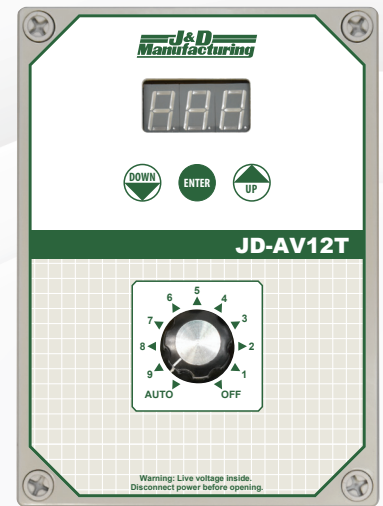
## JD-110WRS

The JD110WRS is an invaluable, intuitive control system that self adjusts your facility based on the external environment. *Includes weather sensors.*



## JD-AV010M

A simple but unique universal control that enables you to control anything that uses a 0-10V input signal for adjusting an output.



## JD-AV12T

The JDAV12T automatically adjusts the output signal based on temperature for your JD-Drive fans or fans with VFDs. *Optional weather sensor.*



**YOUR  
VENTILATION  
EXPERTS**



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6200 US-HWY 12, EAU CLAIRE, WISCONSIN 54701



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