



"THE FORCE" POSITIVE PRESSURE FAN SPECIFICATION SHEET



Total System Solutions

EXHAUST FANS

The Force - Positive Pressure Fan

Specifically designed for positive pressure ventilation

- **No large cone to accommodate for**
- **Variable speed and highly efficient at lower speeds**
- **Actuated opening heavy-duty shutter for every weather condition**

PM Direct Drive Motor

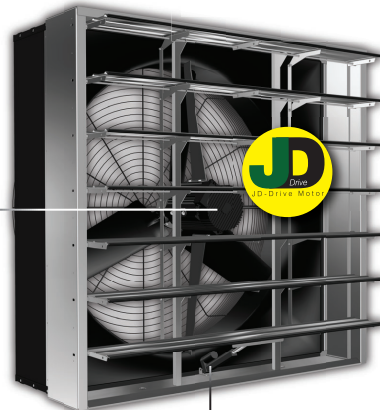
- Premium-efficient 2.2 kW motor
- Internal Motor Drive - no VFD needed
 - Provides soft starts
 - Enables variable speed
 - Allows for precise and uniform speed control
- Surge protection
- Locked rotor protection
- Overload protection
- Thermal foldback protection
- IP65 rated
- Industrial cast-aluminum housing
- Will not interfere with RFID

Prop

- 3 glass filled poly composite blades
- Die cast aluminum hub

Motor Frame

- 304 stainless steel for corrosion resistance
- Motor-centric with minimal air impedance



Housing

- Rugged, corrosion resistant poly with UV inhibitor
- Precision injection molded

**3 Year
Warranty
on ENTIRE
fan**

Actuated, Heavy-Duty Shutter

- Increases performance
- **Uses a linear actuator that opens out, even in strong headwinds, ice, and snow**
- When the fans are off
 - Wind can not open the shutter
 - Minimal snow, wind, and rain infiltration
- Aluminum shutter frame
- Louvers are reinforced aluminum with rubber gasketed edge to keep out wind and weather



⚠ WARNING: This product can expose you to chemicals including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

www.jdmfg.com



#2 Chootoo Road, South Aranguez, San Juan, Trinidad





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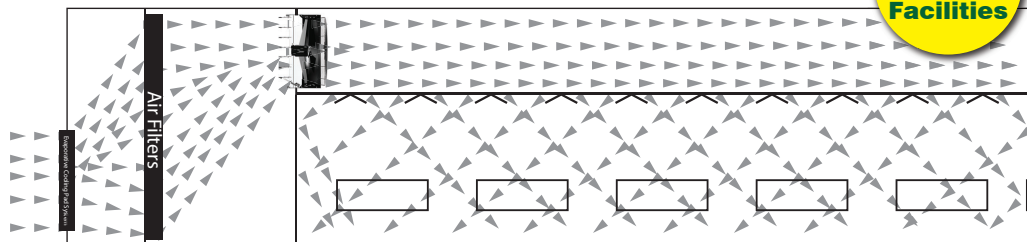
**J&D
Manufacturing**

The Force - Positive Pressure Fan

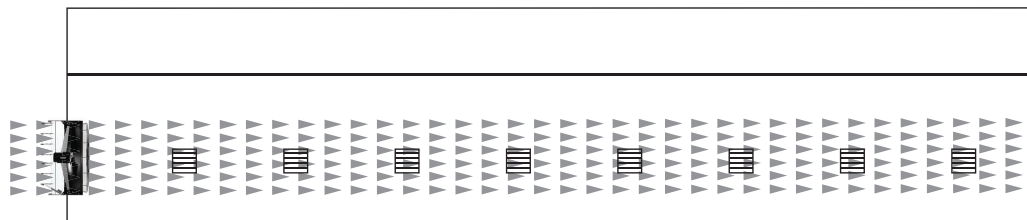
Precision control of air exchange rate

**Perfect
for
Filtered
Facilities**

Positive Pressure Fully Filtered Ventilation



Warm Climate Positive Pressure Ventilation



Part #	Size	Ph	Spd		@ 0.05" SP		@ 0.10" SP		@ 0.15" SP		@ 0.20" SP		Air Flow Ratio	Drive	Prop	Test#
					CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt				
Single Phase																
VFF58PP3N221A	58"	1	1/Var^	100%	34,557	15.7	33,337	14.6	32,120	13.5	30,787	12.6	0.89	PM-D	3-Ply	20210324-01
				90%	30,585	19.1	29,294	17.6	27,930	16.2	26,292	14.6	0.86			20210324-02
				80%	27,013	23.8	25,444	21.1	23,862	19.0	21,839	16.6	0.81			20210324-03
				70%	23,344	30.1	21,533	25.7	19,492	22.5	16,994	18.8	0.73			20210324-04
Three Phase wired for 190-240V																
VFF58PP3N223B	58"	3	1/Var^	100%	34,016	15.7	32,798	14.6	31,539	13.5	30,183	12.5	0.89	PM-D	3-Ply	20210323-01
				90%	30,198	19.4	28,844	17.5	27,541	16.0	25,829	14.5	0.86			20210323-02
				80%	26,775	23.9	25,475	21.5	23,464	19.0	21,814	17.0	0.81			20210323-03
				70%	23,270	31.0	21,371	26.6	19,219	22.6						20210323-04
Three Phase wired for 380-460V																
VFF58PP3N223C	58"	3	1/Var^	100%	34,119	15.2	32,783	14.1	31,614	13.1	30,371	12.2	0.89	PM-D	3-Ply	20210322-05
				90%	30,828	18.0	29,433	16.3	28,058	15.0	26,785	13.9	0.87			20210319-02
				80%	26,691	22.6	25,057	20.5	23,437	18.2	21,779	16.0	0.82			20210319-03
				70%	23,238	29.4	21,423	25.1	19,515	21.9	17,349	18.8	0.75			20210322-01

^ Variable speed fans require separate variable speed control to adjust fan speed.

Bold red text is data based on testing performed by an accredited lab using ANSI/AMCA 210-07 standard.

Rough Opening: 65½" W x 65½"H

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