

The Force - Positive Pressure Fan

EXHAUST FANS

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**

JD-Drive Motor

- PM Direct Drive, efficient 2.2kW 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
- IP66-Rated
- **3 Year Warranty**
- Industrial aluminum housing
- Will not interfere with RFID

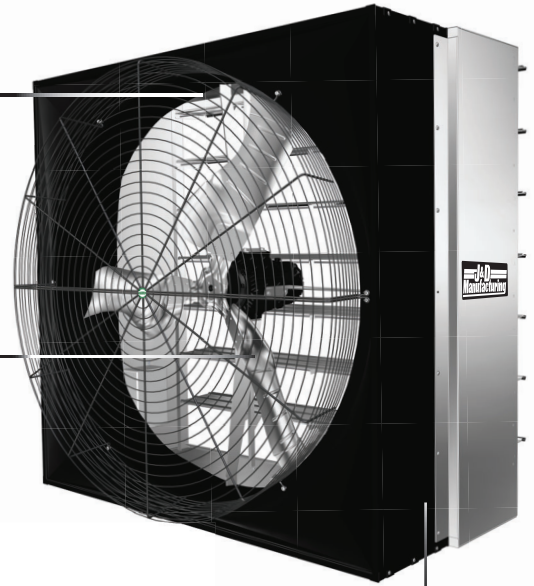


Prop

- 3 corrosion-resistant 304 stainless-steel blades
- 304 stainless-steel hub

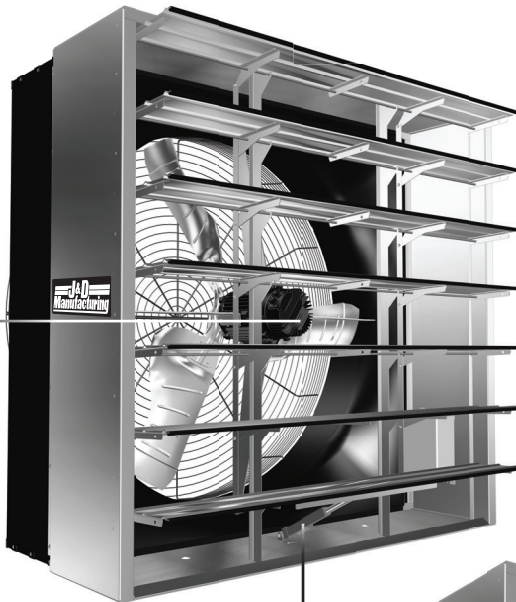
Motor Frame

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



Housing

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



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 cannot 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.

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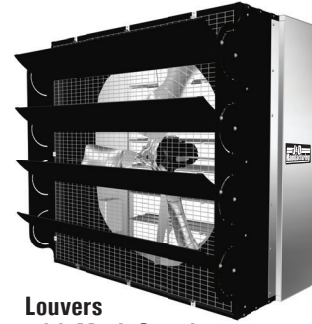
Precision control of air exchange rate

Options for Output Side of Fan

- Standard Guard
 - Black powder coated corrosion resistant stainless steel
- Louvers with Mesh Guard
 - 4 independent directional poly louvers for directing air flow
 - Corrosion resistant galvanized mesh guard



Standard Guard



Louvers with Mesh Guard

EXHAUST FANS

Part #	Sz	Spd		@0.05" SP			@0.10" SP			@0.20" SP			Air Flow Ratio	Drive	Prop	Test#
				CFM	Watt	FEI	CFM	Watt	FEI	CFM	Watt	FEI				
Single Phase																
Standard Guard																
VFF58PS3N221AG	58"	1/V [^]	100%	37,184	14.6	1.53	35,510	13.7	1.59	31,971	11.9	1.66	0.86	PM-D	3-SS	20240723-01
			90%	33,419	17.7	1.86	31,686	16.4	1.92	27,491	13.8	1.93	0.82			20240723-02
			80%	29,415	21.7	2.30	27,435	19.8	2.33	21,923	15.4	2.19	0.75			20240723-03
			70%	25,472	27.4	2.94	22,902	24.1	2.87			2.16				20240723-04
Louvers with Mesh Guard																
VFF58PS3L4221AG	58"	1/V [^]	100%	35,696	13.8	1.45	34,062	12.9	1.51	30,129	11.1	1.54	0.84	PM-D	3-SS	20240726-01
			90%	31,915	16.7	1.76	29,927	15.3	1.80	25,433	12.6	1.78	0.80			20240726-02
			80%	27,974	20.4	2.18	25,743	18.4	2.18	19,690	13.9	1.98	0.70			20240726-03
			70%	24,094	25.8	2.79	21,356	22.3	2.67			1.78				20240726-04
Three Phase																
Standard Guard																
VFF58PS3N223BG	58"	1/V [^]	100%	37,527	15.4	1.61	35,950	14.5	1.68	32,342	12.6	1.75	0.86	PM-D	3-SS	20240729-01
			90%	33,815	18.8	1.98	31,835	17.2	2.01	27,520	14.4	2.02	0.81			20240729-02
			80%	29,633	22.9	2.44	27,382	20.7	2.43	22,083	16.3	2.32	0.75			20240729-03
			70%	25,714	28.8	3.1	22,987	25.1	2.98			2.27				20240729-04
* VFF58PS3N223CG	58"	1/V [^]	100%	37,261	15.3	1.61	35,728	14.4	1.67	31,975	12.5	1.73	0.86	PM-D	3-SS	20240801-08
			90%	33,509	18.3	1.93	31,709	16.9	1.98	27,175	14.0	1.96	0.81			20240801-09
			80%	29,621	22.5	2.40	27,436	20.3	2.39	21,518	15.6	2.22	0.73			20240801-10
			70%	25,383	27.4	2.93	22,643	23.9	2.84			2.15				20240802-01
Louvers with Mesh Guard																
VFF58PS3L4223BG	58"	1/V [^]	100%	35,979	14.7	1.53	34,278	13.7	1.60	30,213	11.7	1.63	0.84	PM-D	3-SS	20240729-11
			90%	32,313	17.7	1.87	30,219	16.3	1.90	25,540	13.3	1.87	0.79			20240729-12
			80%	28,359	21.6	2.30	25,866	19.2	2.28	19,662	14.5	2.07	0.69			20240729-13
			70%	24,215	27.1	2.93	21,477	23.4	2.80			1.75				20240729-14
VFF58PS3L4223CG	58"	1/V [^]	100%	35,979	14.7	1.54	34,278	13.7	1.59	30,213	11.7	1.64	0.84	PM-D	3-SS	20240731-10
			90%	32,228	17.1	1.80	30,307	15.8	1.85	25,582	12.9	1.82	0.79			20240801-01
			80%	28,266	20.9	2.23	25,916	18.7	2.22	19,082	13.7	1.95	0.68			20240801-02
			70%	24,210	26.1	2.80	21,516	22.7	2.71			1.73				20240801-03
Accessories																
HK229	Kit, Convert from Standard Guard to Louvers with Mesh Guard															
JDVFF-SC	Control, Independent Force Fan Shutter, 3 Position: Automatic / Manual Closed / Manual Open															
PP11083	Multi Fan Transformer, Force Fan, Required for Multi Fan Use, Max 16 Fans, NEMA-4X Enclosure															

* Experts choice

[^] 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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