



# J&D Manufacturing



LEADERS IN MOVING THE WORLD'S AIR

## Panel Fan

As the World Leader in air recirculation, our Panel Fan Series is the best available. J & D Manufacturing's Panel Fan has a rugged mount with an efficient motor and a powerful balanced blade that is designed to create air velocity. The cushion mounted maintenance free bearings, along with the heavy duty automatic belt tensioning device, make this fan one of the best performing, low maintenance and greatest value fans on the market!

J&D Manufacturing's circulation fans when applied properly can be used in the following applications:

- Air de-stratification reduces heating and cooling bills
- Air exchange when placed in a wall opening or in open sidewall buildings
- Consistent air temperature throughout a room, building or barn
- Heat stress relief indoors and outdoors for young and old
- Surface drying (including animal bedding)
- People and animal cooling
- Machine/compressor cooling
- High velocity air cooling
- Insect control



Cast Aluminum Blade Panel Fan

## Features

- Belt or direct drive
- Cast steel pulleys
- Shipped totally assembled
- The highest air flow in a circulation fan
- The highest quality and durability at the lowest cost
- Heavy duty G90 galvanized 18 gauge venturi/frame
- Balanced high output blades
- Cast aluminum blades available on 50" belt drive models. Cast aluminum blades have a **Lifetime Warranty**.
- X-frame provides superior strength and rigidity compared to angle iron, square or round tube designs.



- Optional heavy duty galvanized bracket and support arm for easy mounting on a 4"-6" wood post, 4"-6" column & weld-on. Brackets allow fan to swivel forward or back, up or down, to direct the air exactly where you want it. Fan hangs clear of column to prevent interruption of air flow.
- All belt drive models come complete with a heavy duty spring belt tensioner that reduces bounce at startup, and provides self adjusting equal pressure throughout the life of the belt for high efficiency.
- Shaft bearings are eccentric locking, pre-lubricated, permanently sealed and rubber mounted to improve smooth operation and reduce blade fatigue.
- Totally enclosed, maintenance free, high efficiency motors have completely sealed ball bearings, UL and CUL certification (File# E219338/E315335), and are covered by a **Full Two Year Warranty**.



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## Panel Fan

Part#	Size	HP	Volt	Tested Amps	HZ	Spd	FPM*	F(t) lb	Thrust Eff. Ratio**	kW	RPM	CCFM	CCFM Per Watt	Drive	Blade
<b>Single Phase</b>															
VP24	24"	1/2	115/230	3.8/1.9	60	S/Var	1,200	4.8	12	.4	1,740	7,000	17	DD	3- Alum
VP36D	36"	1/2	115/230	4.9/2.45	60	1	775	9.4	18.8	.497	843	14,800	29.8	DD	3-Galv
VP36	36"	1/2	115/230	6.72/3.36	60	1	790	10.45	18.4	.568	579	15,600	27.5	BD	4-Galv
VP361	36"	1	115/230	6.3/3.15	60	1	855	12.87	17.6	.730	649	17,300	23.7	BD	4-Galv
VP48	48"	1	115/230	8.6/4.3	60	1	950	23.1	19.25	1.2	550	26,000	26	BD	3-Galv
VP486	48"	1	115/230	8.9/4.5	60	1	950	24.2	20	1.21	435	30,200	26.2	BD	6-Galv
VP50	50"	1	115/230	11.88/5.94	60	1	1,200	28.7	21.6	1.329	634	35,800	26.9	BD	3-Galv
VP506G	50"	1	115/230	11.8/5.9	60	1	900	28	22	1.32	467	35,000	26.5	BD	6-Galv
VP50CA	50"	1	115/230	10.8/5.4	60	1	975	25.4	21.77	1.167	587	33,900	29	BD	3-CA
VP50CA2	50"	1	230	6	60	2	960	24	20	1.10	587	33,500	27	BD	3-CA
<b>Three Phase</b>															
VP363D	36"	1/2	230/460	2.15/1.08	60	1	820	9.3	19.44	.478	836	14,700	30.8	DD	3-Galv
VP363	36"	1/2	230/460	2.07/1.04	60	1	980	13.57	20.2	.673	641	17,400	25.9	BD	4-Galv
VP3631	36"	1	230/460	3.47/1.7	60	1	1,200	19.89	17.2	1.156	776	20,800	18	BD	4-Galv
VP483	48"	1	230/460	3.7/1.8	60	1	950	23.1	19.1	1.1	549	26,000	26	BD	3-Galv
VP4836	48"	1	230/460	3.9/2.0	60	1	950	24.1	19.8	1.12	430	30,100	26.2	BD	6-Galv
VP503	50"	1	208-230/460	3.84-3.46/1.73	60	1	990	26.65	22.7	1.174	622	34,600	29.5	BD	3-Galv
VP506G3	50"	1	208-230/460	3.1-2.8/1.4	60	1	905	27	21	1.2	456	34,600	29.5	BD	6-Galv
VP503CA	50"	1	208-230/460	3.82-3.44/1.72	60	1	1,060	28.4	24.96	1.139	577	35,500	31.2	BD	3-CA

DD-Direct Drive, BD-Belt Drive, CA-Cast Aluminium

\* FPM (Feet Per Minute) - Velocity measured center line at a distance 5 times the prop diameter.

\*\* Thrust Efficiency Ratio is calculated by dividing the Thrust (lbf) by the kW.

All of the above fans have been BESS Labs tested. **Bold red text is data certified by BESS Labs using AMCA Standard 230-07.**

### Optional Brackets - Sold Separately

Part#	Fan Size	Description
<b>Column Mount Brackets</b>		
VRSBRP3	36"-50"	Column Mntng Bracket, 3"-3 1/2"
VRSBRP4	36"-50"	Column Mntng Bracket, 4"-4 1/2"
VRSBRP5	36"-50"	Column Mntng Bracket, 5"-5 1/2"
VRSBRP6	36"-50"	Column Mntng Bracket, 6"-6 1/2"
<b>Rigid Column Mount Brackets</b>		
VRSBRPR3	36"-50"	Rigid 3" Column Mnt Bracket
VRSBRPR4	36"-50"	Rigid 4" Column Mnt Bracket
VRSBRPR6	36"-50"	Rigid 6 1/2" Column Mnt Bracket
<b>Wood Post Mount Bracket</b>		
VRSBRPR6P	36"-50"	Wood Post Mnt Bracket, 4"-6"



VRSBRP3, VRSBRP4, VRSBRP6



VRSBRP3  
VRSBRP4  
VRSBRP5  
VRSBRP6

### Belt Driven 3 Blade Galvanized Panel Fan shown mounted using VRSBRPR6P Wood Post Mount Bracket



OSHA requires this fan to be mounted 7' above the floor. We recommend that a wire mesh be placed in front of this fan when mounted for added protection.