



# Efficiency & Versatility Built In.

## The True Variable Speed V-Fan™

Older-style Triac-induced variable speed fans would get less efficient the slower they ran due to regulating the voltage, thereby making the CFM/Watt (or (m<sup>3</sup>/hour)/W) worse. The V-Fan motor is not only VFD-driven, meaning the frequency (hertz) to the motor is driven, but it's also a PMAC motor, yielding greater efficiency than induction VFD-driven motors.

### Features & Benefits

- Features a Permanent-Magnet (PMAC) motor and individually-tuned integral drive.
- Fan options include single or three phase inputs in either 50 or 60 Hz at 200-240V.
- Unique four-point, galvanized or stainless steel motor mount design provides minimum air restriction and vibration-free performance.
- Blade options are cast aluminum, galvanized and stainless steel.
- Housings are available in fiberglass, galvanized and Z-Fan materials.
- Slant wall design provides reduced weather intrusion, easy cleaning, water drainage and improved performance.
- Full 1" diameter motor shaft helps extend motor bearing life.
- High quality shutters are available in aluminum or black or white PVC.
- Tough rust proof shutter clips are designed with stay-put features.
- Energy doors are available.



V-Fan is direct drive - so no belts to maintain or bearings to grease



Performance You Can Count On

Our ventilation experts can also assist with retrofitting an existing or designing a new facility for maximum efficiency.

## Quick Glance at Some Performance Numbers

54" Galvanized V-Fan™ - Model 954705-3

BESS #: 19461

Shutter: Aluminum

Input Phase, Voltage & Frequency: 3PH, 230V, 60 Hz

	RPM	0.05" SP		0.10" SP		0.15" SP		0.20" SP	
		CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT
50 HZ, Full Speed	600	33400	21.1	32100	19.0	30700	17.6	29100	16.4
40 HZ	480	26600	29.8	24800	27.0	22500	25.0	19500	19.7
30 HZ	360	18600	57.2	15300	36.4	6200	14.1		
25 HZ	300	13800	62.7	4000	16.9				

54" Fiberglass V-Fan™ - Model 954230-3

BESS #: 19476

Shutter: Aluminum

Input Phase, Voltage & Frequency: 3PH, 230V, 60 Hz

	RPM	0.05" SP		0.10" SP		0.15" SP		0.20" SP	
		CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT
52.5 HZ*, Full Speed	630	36100	19.7	34800	18.1	33000	16.5	31200	14.9
50 HZ	600	34400	21.7	32900	19.4	31100	18.0	29000	15.8
40 HZ	480	26800	31.3	24600	27.5	22100	24.4	18100	18.6
30 HZ	360	18200	49.1	14100	34.3	5500	12.2		
25 HZ	300	13100	55.4						

\* - estimated

The performance numbers above represent just 2 models - a galvanized housing model and a fiberglass housing model - of the V-Fan™. There are many models available to help best suit your needs. Reach out to us for more info and see how the V-Fan will change the way you look at ventilation!



Call your local VAL-CO representative or distributor for more information on these and our other fine products.

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