

Spencer®

Vortex® Regenerative Blowers



With built-in efficiency and versatility, Vortex® blowers handle air in nearly any market.

Whether you provide equipment for aeration, air cushioning, conveying, de-icing, drying, high velocity removal, labeling, packaging, vacuum hold down, or other applications, you need a high quality, reliable air source. The Vortex regenerative blower from The Spencer Turbine Company is that source.

With quiet operation and reliable, energy-efficient performance, the Vortex line features a broad range of models capable of handling applications requiring medium pressure and airflow. Blower capacities are available up to 645 scfm, pressures to 3.9 psig (108" H₂O) and vacuum to 7.6" Hg (104" H₂O). The standard Vortex blower model is equipped with a TEFC 50/60 Hz motor and can accommodate a wide range of worldwide voltages and power supplies.

Spencer Vortex blowers may be customized for special voltages, motor configurations and enclosures, paint color, coatings and labeling. These low-maintenance blowers feature a compact footprint and provide continuous duty, non-pulsating, oil-free airflow. They are ideal for a broad range of air handling applications.

Shown above: Models VB037 and VB003.

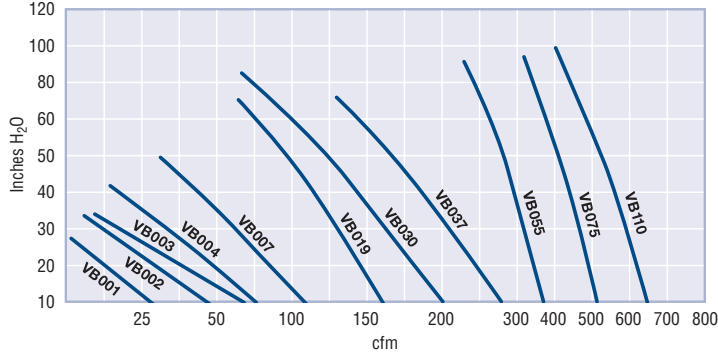
Typical Vortex Applications:

Combustion air	Vacuum hold down
Test air	Soil remediation
Air cushioning	Scrap collection
Wastewater treatment aeration	Tank agitation
Air sampling	Air knives
De-icing	Aquaculture aeration
Food packaging	Dust collection
Trim removal	Pneumatic conveying
Pneumatic tube transfer	Powder recovery
Radon gas elimination	Drying
Automatic bottling	Filling or bagging

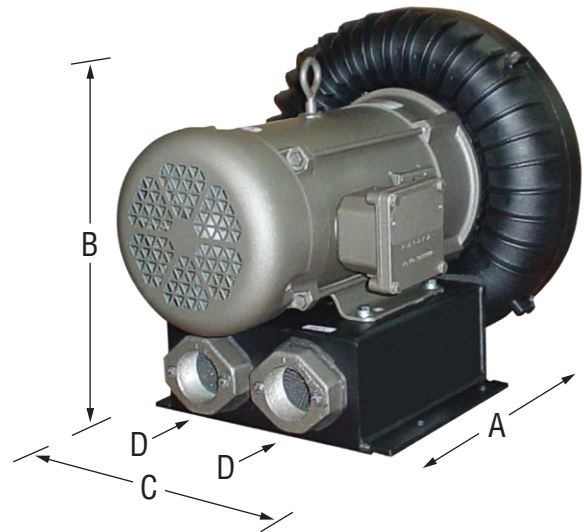
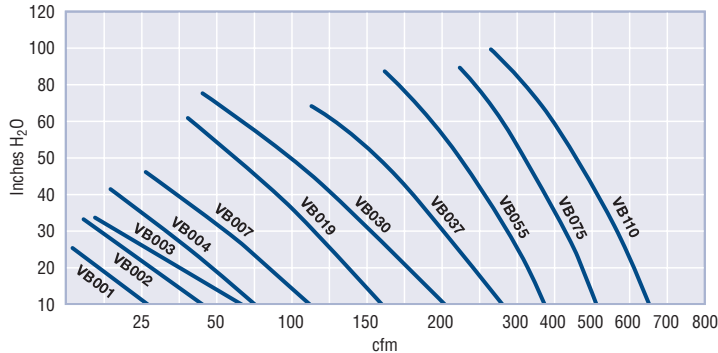
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Pressure Performance @ 60 Hz



Vacuum Performance @ 60 Hz



Model VB037XP with Special Paint.

Spencer may make improvements and dimensional changes to equipment designs based on market trends and requirements.


► **Note:** Based on 70 °F standard inlet conditions.

Model Number	Overall Dimensions (Inches)				TEFC Motor Specifications			Noise Level dB(A) @ 1.5 meters (60 Hz)	Weight (Pounds)
	A	B	C	Connection D	Hp	Phase	Voltage		
VB001	9.00	8.16	7.89	1.00	1/8	3	200-230/460	61	20
VB001S	9.00	8.16	7.89	1.00	1/8	1	115/230	62	22
VB002	9.80	9.50	9.00	1.25	1/4	3	200-230/460	61	25
VB002S	9.80	9.50	9.00	1.25	1/4	1	115/230	61	28
VB003	11.83	10.55	10.03	1.25	1/2	3	200-230/460	66	35
VB003S	11.83	10.55	10.03	1.25	1/2	1	115/230	66	42
VB004	12.42	11.88	10.97	1.25	3/4	3	200-230/460	63	40
VB004S	12.42	11.88	10.97	1.25	3/4	1	115/208-230	63	45
VB007	14.75	13.28	12.43	1.50	1 1/2	3	200-230/460	64	60
VB007S	14.75	13.28	12.43	1.50	1 1/2	1	115/208-230	70	65
VB019	15.81	15.36	14.62	1.50	2 1/2	3	200-230/460	73	85
VB019S	15.81	15.36	14.62	1.50	2 1/2	1	115/208-230	70	100
VB030	17.40	16.63	15.55	2.00	4	3	200-230/460	73	130
VB030S	17.40	16.63	15.55	2.00	4	1	115/208-230	71	135
VB037	17.75	17.85	16.69	2.00	5	3	200-230/460	76	150
VB037S	17.75	17.85	16.69	2.00	5	1	115/208-230	74	165
VB055	20.46	20.39	18.74	2.50	7 1/2	3	200-230/460	82	245
VB075	21.50	21.16	20.28	3.00	10	3	200-230/460	81	260
VB110	25.50	23.90	22.24	3.00	15	3	200-230/460	80	370

► **Notes:**

- VB002 and above are available in 575 volt, 3 phase.
- Contact Spencer for 50 Hz performance information.

Vortex® is a registered trademark of The Spencer Turbine Company.

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Blowers & Vacuum Systems with an Engineering Edge

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