

# 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" H<sub>2</sub>O) and vacuum to 7.6" Hg (104" H<sub>2</sub>O). 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.

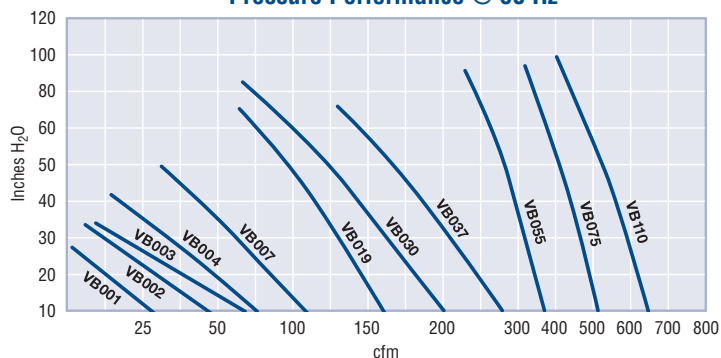
Shown above: Models VB037 and VB003.

### Typical Vortex Applications:

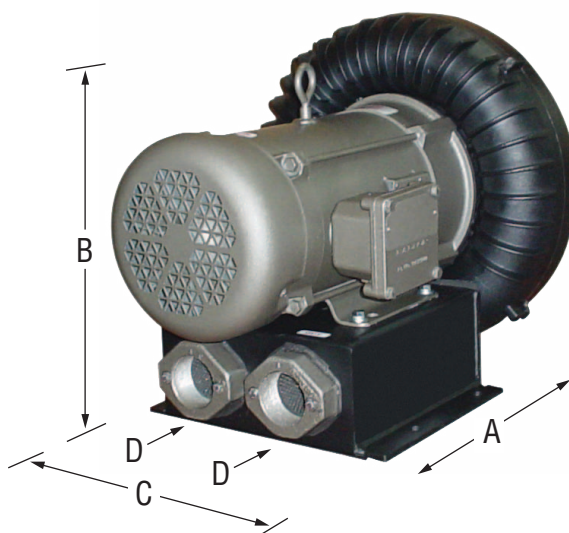
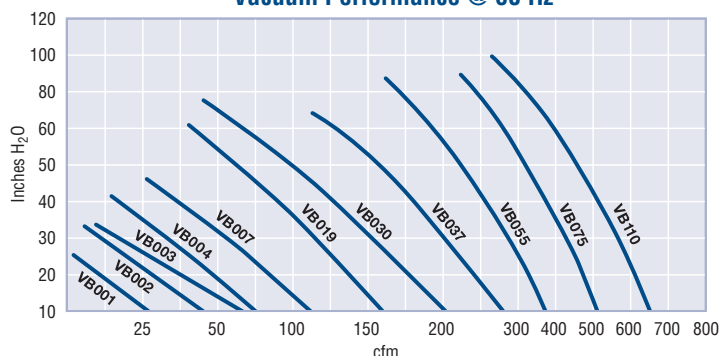
Combustion air	Vacuum hold down
Test air	Soil remediation
Air cushioning	Scrap collection
Wastewater treatment aeration	Tank agitation
Air sampling	Air knives
De-icing	Aquaculture aeration
Food packaging	Dust collection
Trim removal	Pneumatic conveying
Pneumatic tube transfer	Powder recovery
Radon gas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

For product selection assistance, please email [marketing@spencer-air.com](mailto:marketing@spencer-air.com) or visit our website at [www.spencerturbine.com](http://www.spencerturbine.com) to locate the Spencer representative in your area.

**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.



**Turbine Company, 600 Day Hill Road, Windsor, CT 06095 USA**

TEL 800.232.4321 ♦ 860.688.8361 ♦ FAX 860.688.0098 ♦ [www.spencerturbine.com](http://www.spencerturbine.com)

Bulletin 421N Copyright ©2014 The Spencer Turbine Company 081114KBA1.5

*Blowers & Vacuum Systems with an Engineering Edge*