

# Spencer® Vortex® Regenerative Blowers



Model VB004S

**S**pencer Vortex regenerative blowers are available in twenty-six standard models with options for handling a variety of applications requiring medium pressure and airflow. The Vortex line includes models with capacities 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). Spencer flexibility permits use of special coatings and motor enclosures to meet demanding customer requirements.

Vortex blowers are compact, continuous duty within certain pressure ranges and provide non-pulsating, oil-free airflow. There are no parts in contact and therefore do not require routine maintenance. Standard models are equipped with UL Listed, CSA approved and CE compliant, 2-pole 60 Hz, TEFC motors. Their quiet operation, reliable performance and in-stock availability make Spencer Vortex the regenerative blower of choice for your air handling applications.

Contact Spencer or your local representative to discuss specific application requirements.

## Some Typical Vortex Applications:

### Pressure

- ◆ Conveying
- ◆ Refuse burning
- ◆ Instrument air
- ◆ Air dryer
- ◆ Air cushioning
- ◆ Tank agitation
- ◆ Sewage aerating
- ◆ Blister packaging
- ◆ Liquid spraying
- ◆ Fuel atomizing
- ◆ Air knives
- ◆ Product drying

### Vacuum

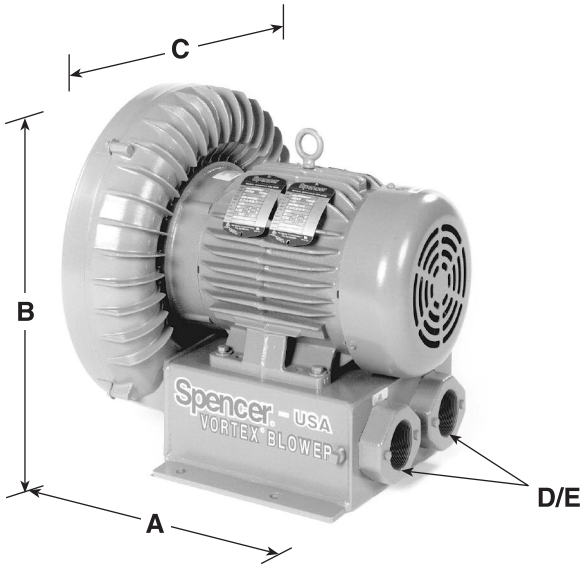
- ◆ Radon gas elimination
- ◆ Automatic bottling
- ◆ Pneumatic conveying
- ◆ Vacuum holding
- ◆ Soil remediation
- ◆ Paper transporting
- ◆ Scrap collection
- ◆ Powder recovery
- ◆ Gas sampling
- ◆ Thread holding
- ◆ Dust collecting



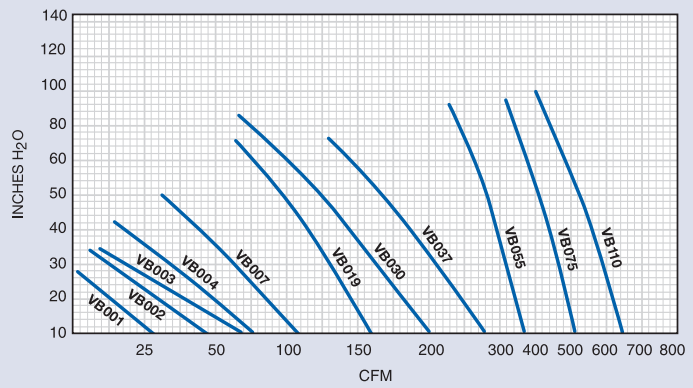
Model VB037XP

# Spencer® Vortex® Regenerative Blowers

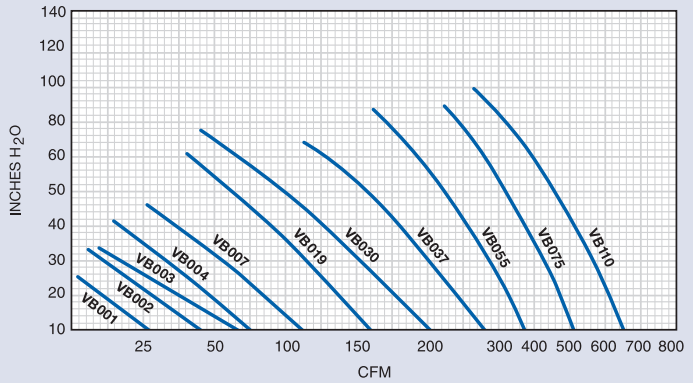
## General Specifications



## Pressure Performance



## Vacuum Performance



Note: Single and three phase 60 Hz performance identical.

Model Number	Overall Dimensions (Inches)			Connections (D/E)	Weight (Pounds)	Noise Level - dB(A) @ 1.5 meters (60 Hz)	TEFC Motor Specifications	
	(A)	(B)	(C)				Phase	Voltage
VB001	9.00	8.16	7.89	1.00	20	61	3	200-230/460
VB001S	9.00	8.16	7.89	1.00	22	62	1	115/230
VB002	9.80	9.50	9.00	1.25	25	61	3	200-230/460
VB002S	9.80	9.50	9.00	1.25	28	61	1	115/230
VB003	11.83	10.55	10.03	1.50	35	66	3	200-230/460
VB003S	11.83	10.55	10.03	1.50	42	66	1	115/230
VB004	12.42	11.88	10.97	1.25	40	63	3	200-230/460
VB004S	12.42	11.88	10.97	1.25	45	63	1	115/208-230
VB007	14.75	13.28	12.43	1.50	60	64	3	200-230/460
VB007S	14.75	13.28	12.43	1.50	65	70	1	115/208-230
VB019	15.81	15.36	14.62	1.50	85	73	3	200-230/460
VB019S	15.81	15.36	14.62	1.50	100	70	1	115/208-230
VB030	17.40	16.63	15.55	2.00	130	73	3	200-230/460
VB030S	17.40	16.63	15.55	2.00	133	71	1	115/208-230
VB037	17.75	17.85	16.69	2.00	150	76	3	200-230/460
VB037S	17.75	17.85	16.69	2.00	165	74	1	115/208-230
VB055	20.46	20.39	18.74	2.50	245	82	3	200-230/460
VB075	21.50	21.16	20.28	3.00	280	81	3	200-230/460
VB110	25.50	23.90	22.24	3.00	370	80	3	200-230/460


Notes: VB002 and above are available in 575 volt, 3 phase.

All models are also available with 50/60 Hz motors; contact Spencer for performance variation from above performance charts.

"D" dimension represents "Tube End" for models VB001S through VB003S (flange reversible to "FPT").

"E" dimension represents "FPT" for models VB004 through VB110.

*Blowers & Vacuum Systems with an Engineering Edge*

**The**  **Spencer Turbine Company, 600 Day Hill Road, Windsor, CT 06095-4706**

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