ANVER CORPORATION
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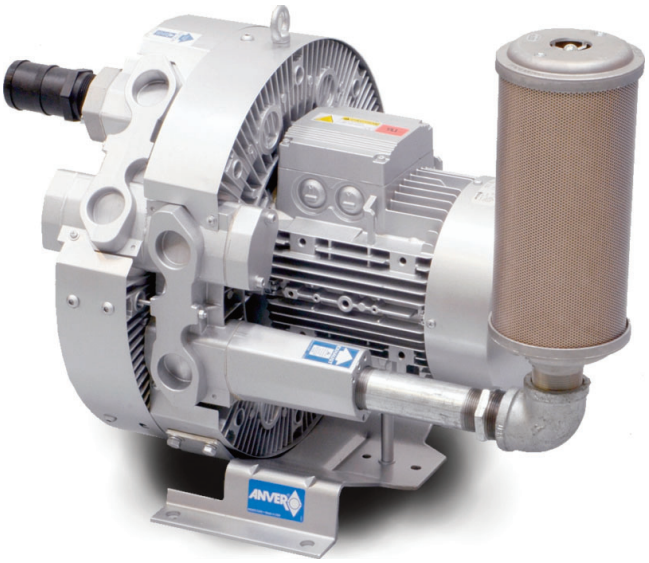
VB Series Vacuum Stations

Doc. No. 13600081C



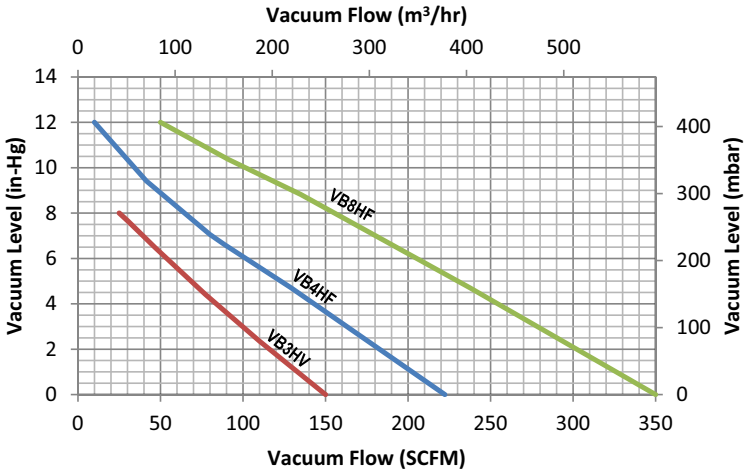
ANVER offers select models of high efficiency vacuum pumps specially designed for ANVER, and used as part of its vacuum lifting systems. These revolutionary regenerative pumps offer a compact, reliable source of quiet, vibration-free vacuum. ANVER's quality vacuum pumps are made from tough, high-strength materials for long life, and are lightweight and virtually maintenance free. Their highly efficient, state-of-the-art design has rendered the older designs of conventional side-channel blowers obsolete. Vacuum pumps are available in capacities of up to 480+ cfm flow and 18 in. Hg vacuum. Powered by high quality motors, they are more energy efficient, require less horsepower to operate than competitive models, and are offered in a variety of sizes to match your vacuum lifting requirements. NOTE: Optional vacuum or pressure relief valves are also recommended.

All vacuum pump models have rated noise levels of 70–77dB. Optional sound enclosures, specifically designed for each pump model, are available and further reduce the noise level by 5–7dB.

Voltages Available	Phase	Cycle
Dual Voltage: 230/460 or 220/440 Single Voltage: 575V	3 phase	60
Single Voltage: 208/380V	3 phase	50

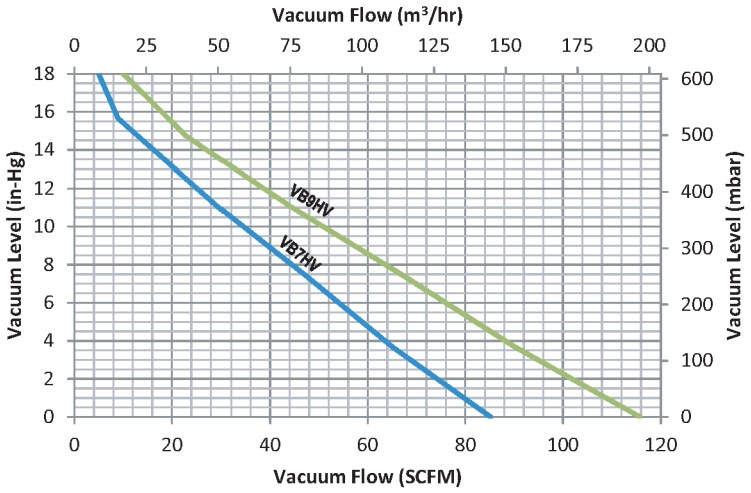
NOTE: When operated at 50 Hz, pump capacity is decreased by 1/6th (16.7%). Consult Factory for more information and other available non-standard configurations.

High-Flow Vacuum Pump and Stations



High Flow Pumps are especially suitable for porous load applications. They produce air flows up to 350 SCFM making them a natural choice for lifting porous and semi-porous loads. The three pump models available with varying capacities are listed in the High Flow Pump Specifications table below.

High-Vacuum Pump and Stations



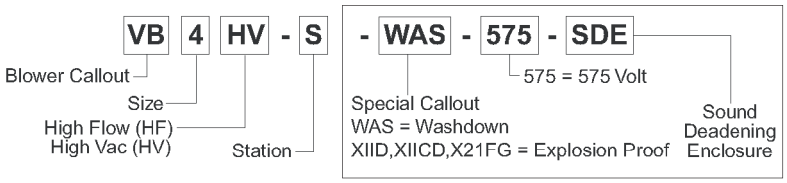
High-Vacuum Pumps produce vacuum up to 18 in. Hg, which makes them an ideal choice to lift heavy, non-porous to semi-porous loads. The two pump models available with varying capacities are listed in the High Vacuum Pump Specifications table below.

Note:

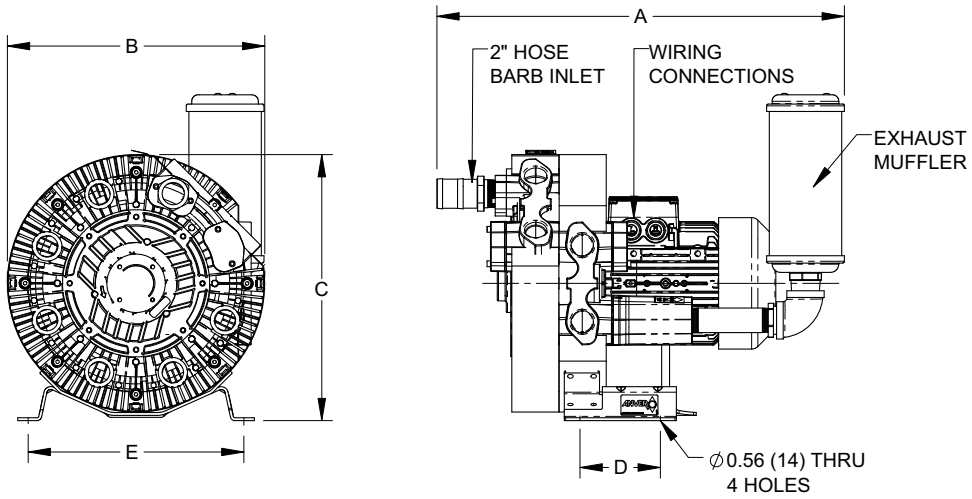
- Performance tolerance is +/- 10%.
- Performance curves are based on 60Hz power supply, air temperature of 60°F (15°C) at the inlet connection, and barometric pressure of 29.92 in. Hg absolute (1013 mbar) at the discharge connection.

Special Orders:

- Washdown (WAS): Stainless steel fittings
- Explosion proof models; consult Anver for availability.



Note: "S" indicates that the pump includes the standard muffler and fittings.



Model No.	VB3HF-S	VB4HF-S	VB7HV-S	VB8HF-S	VB9HV-S
A [in. (mm)]	20.4 (518)	28.6 (727)	25 (635)	30 (762)	26 (660)
B [in. (mm)]	13.1 (333)	15.3 (387)	15.3 (387)	17.5 (445)	17.5 (445)
C [in. (mm)]	13.3 (338)	15.4 (391)	15.8 (400)	18.1 (460)	18.1 (460)
D [in. (mm)]	4.5 (114)	5.5 (140)	5.8 (146)	6 (152)	6 (152)
E [in. (mm)]	10.2 (259)	11.4 (290)	12.9 (328)	14.7 (372)	14.7 (372)
Pump Weight [lbs (kg)]	55 (25)	75 (34)	88 (43)	143 (65)	129 (51)
Power @ 50Hz / 60Hz [HP (Kw)]	3.4 (3)	4.6 (3)	3.4 (3)	8.4 (6)	6.2 (4.6) / 7.1 (5.3)
Flow [SCFM (m3/hr)]	150 (254)	220 (370)	88 (147)	350 (594)	120 (203)
Maximum Vacuum [in. Hg (mbar)]	8 (270)	12 (406)	18 (609)	12 (406)	18 (609)
**Recommended "Working" Vacuum Level [In.Hg. (mbar)]	6 (203)	10 (339)	15 (508)	10 (339)	15 (508)
Maximum Temp [°F (°C)]	100 (38)	122 (50)	180 (82)	142 (61)	180 (82)
Sound [dB]	73	76	70	75	72
Amps @ 230/460, 220/440 VAC* (60Hz)	10.3/6.0	12.6/7.3	10.3/6.0	23.0/13.3	16.3/9.5
Amps @ 208/380 VAC* (50Hz)	9.7/5.6	12.5/7.2	9.7/5.6	23.0/13.3	15.8/9.1
Amps @ 575 VAC* (60Hz)	4.6	5.8	4.6	8	7.6
Muffler Part Number	MU-VB112	MU-VB2	MU-VB112	MU-VB2	MU-VB112

Notes: *Refer to the pump specification label for actual ratings.
** ANVER strongly recommends these Maximum Working Vacuum Level settings in order to allow enough free air flow to avoid internal heat build-up. Excessive thermal expansion of the impeller/chamber will cause interference and friction, resulting in premature wear, internal pump damage, or seizure.

Data listed in the table above is subject to change. Before using the pump, confirm that your operating requirements are compatible with the data on the pump specification label.