



National Vacuum Equipment

Part of the Atlas Copco Group

B500

HEAVY DUTY VACUUM BLOWERS

Features

- Proven air injection cooling
- Oil-less operation
- Built in vacuum/pressure change over valve
- Easily maintainable pre filter
- Easily accessible grease points
- Continuous duty to 24" HG
- Highly efficient three lobe rotor design
- Blower flush kit included
- Attached ballast silencing system
- An enhanced exhaust check which provides minimal free air obstruction
- **Designed, built, and supported in the USA**

The B500 is an entry vacuum blower designed to be used with a 3" plumbed system with a maximum recommended operation of 2400 RPM. At 2400 RPM it is capable of 431 CFM free air, 80% efficient, and able to generate 24" HG corrected to sea level. It is able to run at maximum vacuum with no vacuum relief valve required. The B500 silencing system is able to limit exhaust noise and should require no additional silencing to yield acceptable acoustic performance. Because the B500 is an entry level machine designed to be used with 3" plumbing, it is not recommended for the machine be operated at a higher RPM.

*The maximum allowable operating vacuum will vary depending on R.P.M., ambient temperature, altitude and time running. The basic principle to keep in mind is - faster R.P.M., higher air temperature and longer run time all equal more heat in blower. When installing a NVE B500 blower we recommend a normal R.P.M. of 2400. Other speeds are ok as long as exhaust gas temperatures read on the supplied thermometer do not exceed 380 degrees F.

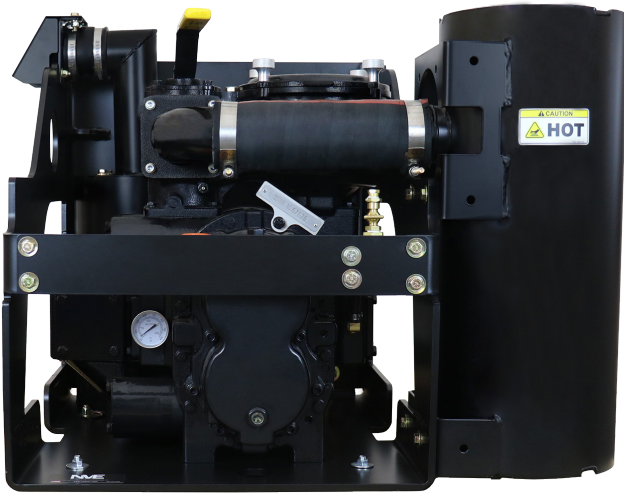
SPECIFICATIONS	B500 VACUUM BLOWER
*Operating RPM	2400
Maximum Airflow	431
Maximum Horse Power	30
*Maximum Vacuum	24" HG
Maximum Pressure	15 PSI
Porting Size	3"
Shaft Size (5/16" key)	1 3/8"
Pump Dimensions	L 24" W 19 15/16" H 24 3/16"
Approximate weight	370 lbs.

Weights and measurements are for reference only

www.natvac.com
800.253.5500

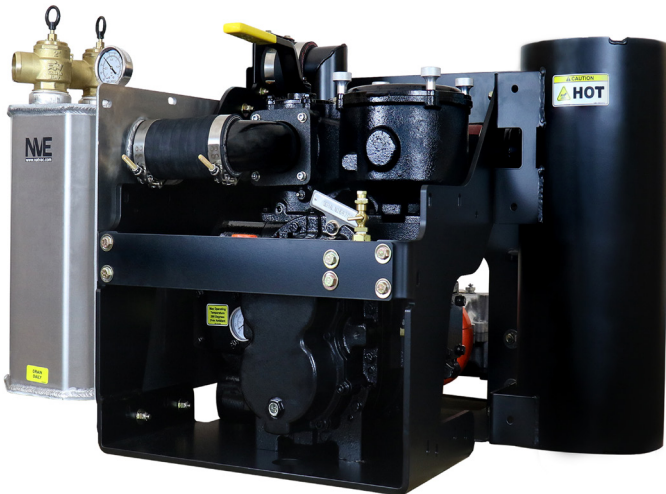
Challenger Series
VACUUM PUMPS & BLOWERS

B500 Silencer Pak



- B500 high vacuum tri-lobe blower with 4-way vacuum pressure change over valve
- Oil-less operation
- Exhaust air silencer
- Can be mounted in any position
- Ballast air silencer
- 1:2 speed increasing right angle gearbox
- Clockable gearbox bracket for easy matching of drive line angles
- E20 coupler set
- All elbows, fittings, and high temp hose are factory connected
- L 39 5/16" W 32 3/4" H 26 11/16"

B500 Max Pak



- B500 high vacuum tri-lobe blower with 4-way vacuum pressure change over valve
- Oil-less operation
- Aluminum Moisture Trap
- Exhaust air silencer
- Ballast air silencer
- 1:2 speed increasing right angle gearbox
- Clockable gearbox bracket for easy matching of drive line angles
- Pressure relief valves and vacuum pressure gauge
- L 64 13/16" W 32 1/2" H 58 1/8"

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