



National Vacuum Equipment

Part of the Atlas Copco Group

43 SERIES

HEAVY DUTY VACUUM BLOWERS

Features

- Continuous duty performance at maximum vacuum
- 4307 Tri-lobe design with precision machining
- 4310 helical tri-lobe rotor engineered for increased efficiency, lower pulsations, and lower noise
- Ballast port manifold - cools blower through air injection
- Range of airflow - performance available to accommodate power
- Oil-less operation
- 4" hose barbed adjustable porting for the intake and exhaust
- Integral final filter with easy access cleaning
- 4-Way pressure/vacuum change over valve
- Designed, built, and supported in the USA**



*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 an NVE 4307 or 4310 blower we recommend a normal R.P.M. of 4000. Other speeds are OK as long as exhaust gas temperatures read on the supplied thermometer do not exceed 380 degrees F. Maximum of 4500 R.P.M is for intermittent use only (4310).

SPECIFICATIONS	4307	4310	
Air flow - free air	560 cfm	940 cfm @ 4500 rpm	
*Full vacuum	*Full Vacuum	*Full Vacuum	
Maximum pressure	15 psi	15 psi	
Full Vacuum - Recommended	4000 rpm	4000 rpm	4500 rpm
Hp required @ 27" hg	36.4	51.4	58
Hp required @ 10 psi	28.4	39.7	44
Hp required @ 15 psi	40.6	65.5	N/A
Porting size	4"	4"	
Shaft size (3/8" key)	1 1/2"	1 1/2"	
Blower dimension	L 24 15/16" W 20 1/4" H 29 1/2"	L 27 11/16" W 23 7/16" H 26 15/16"	
Approximate weight	421 lbs	456 lbs	

Weights and measurements are for reference only

www.natvac.com
800.253.5500

Challenger Series
VACUUM PUMPS & BLOWERS

Pro Pak Frame Mount Gearbox Drive



- Improved slim design
- 3/8" powder coat painted frame
- Stainless steel cabinet
- Easily accessible service points
- Blower flush kit
- Internal ballast silencing
- Ballast check valve for pressure operation

- 500 series right angle 1:2 ratio gearbox
- 4310 - spiral beveled gear
- 4310 L 45 1/4" W 28 3/8" H 26 15/16"
- 4310 With Ultra L 45 1/4" W 38 3/8" H 26 15/16"
- 4307 L 44" W 28 3/8" H 29 3/4"

Pro Pak Frame Mount Hydraulic Drive



- Improved slim design
- 3/8" powder coat painted frame
- Stainless steel cabinet
- Easily accessible service points
- Blower flush kit
- Internal ballast silencing
- Ballast check valve for pressure operation
- SAE C face hydraulic adapter
- 4310 L 34" W 28 3/8" H 29 3/4"
- 4310 With Ultra L 34" W 38 3/8" H 26 7/8"
- 4307 L 33 3/4" W 28 3/8" H 29 3/4"

Pro Pak Frame Mount Belt Drive

- 3/8" powder coat painted frame
- Stainless steel cabinet
- Easily accessible service points
- Blower flush kit
- Internal ballast silencing
- Ballast check valve for pressure operation
- Belt drive is 2.5:1 speed up ratio
- 4310 - L 46 15/16" W 39 11/16" H 29 3/4"
- 4307 - L 46 15/16" W 36 3/16" H 29 7/8"

Pro Pak Belly Mount Hydraulic Drive



- 3/8" powder coat painted frame
- Stainless steel cabinet
- Easily accessible service points
- Blower flush kit
- Ballast check valve for the pressure operation

- Integral horizontal exhaust silencer
- SAE C face hydraulic adapter
- 4310 - L 58 5/8" W 58 5/8" H 26 5/8"
- 4307 - L 57" W 58 5/8" H 26 5/8"

Pro Pak Top Mount Hydraulic or Belt Drive



- 3/8" powder coat painted frame
- Stainless steel cabinet
- Easily accessible service points
- Blower flush kit
- Ballast check valve for the pressure operation
- Integral horizontal exhaust silencer

- Two drive systems to choose from
- SAE C face hydraulic adapter or fully adjustable belt drive
- 4310 - L 58 5/8" W 58 5/8" H 26 5/8"
- 4307 - L 57" W 58 5/8" H 26 5/8"

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