

4310 PRO

Helical Tri-Lobe Heavy Duty Vacuum Blower

PRODUCT BROCHURE



FEATURES

- Continuous duty performance at maximum vacuum
- Oil-less operation
- Range of airflow - performance available to accommodate power
- Helical tri-lobe rotors engineered to increase efficiency, lower pulsations, and reduce noise
- Vacuum and pressure change over valve
- Adjustable 4" elbows with hose barbs for intake and exhaust ports
- Ballast Port manifold - cools blower through air injection
- Built-in ballast check valve
- Oil level inspection sight eyes
- Improved, longer lasting final filter
- Improved Serviceability
 - End plate design
 - Flushing ports and drain plugs
 - Carrier for sump seal

4310 PRO CHALLENGER BLOWER | SPECIFICATIONS

Air Flow - Free Air	940 CFM at 4500 RPM	
*Full Vacuum	-	
Maximum Intermittent Pressure	15 PSI	
*Operating Speed - recommended	4000 RPM	4500 RPM
HP Required @ 27" Hg	51.4	58
HP Required @ 10 psi	39.7	44
HP Required @ 15 PSI	65.5	-
Porting Size	4"	
Shaft Size (3/8" Key)	1 1/2"	
Approximate Weight	456 lbs	

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 a 4310 PRO 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.

Weights & Measurements are for reference only. Prices subject to change at any time | Revised 10/2025

4310 PRO BLOWER

Package Options



OPEN PAK

Frame Mount with Silencers
Gearbox or Hydraulic Drive

- 3/8" powder coat painted frame
- Easily accessible service points
- Blower flush kit
- Enhanced silencing for quieter operation
- Max Pak option available
- 1:2 ratio gearbox or SAE C face hydraulic adapter
- L 32 5/8" W 38 15/16" H 44 9/16"



PRO PAK

Frame Mount
Gearbox or Hydraulic Drive

- Improved mounting accessibility
- 3/8" powder coat painted frame
- Stainless steel cabinet with larger door
- Easily accessible service points
- Blower flush kit
- 1:2 ratio gearbox or SAE C face hydraulic adapter
- L 45 5/8" W 28 15/16" H 29 11/16"



SILENCER PRO PAK

Frame Mount with Silencers
Gearbox or Hydraulic Drive

- Improved mounting accessibility
- 3/8" powder coat painted frame
- Stainless steel cabinet with larger door
- Easily accessible service points
- Blower flush kit
- Enhanced silencing for quieter operation
- 1:2 ratio gearbox or SAE C face hydraulic adapter
- L 45 5/8" W 39 1/2" H 29 11/16"



MAX PRO PAK

Frame Mount with Silencers & Moisture Trap
Gearbox or Hydraulic Drive

- Improved mounting accessibility
- 3/8" powder coat painted frame
- Stainless steel cabinet with larger door
- Easily accessible service points
- Blower flush kit
- Enhanced silencing for quieter operation
- Horizontal moisture trap
- 1:2 ratio gearbox or SAE C face hydraulic adapter
- L 45 5/8" W 58 1/2" H 29 11/16"



SEE PRODUCT CATALOG AND PARTS MANUAL
FOR MORE PRODUCT DETAILS

Revised 10/2025

BELT DRIVE PRO PAK

Frame Mount Belt Drive

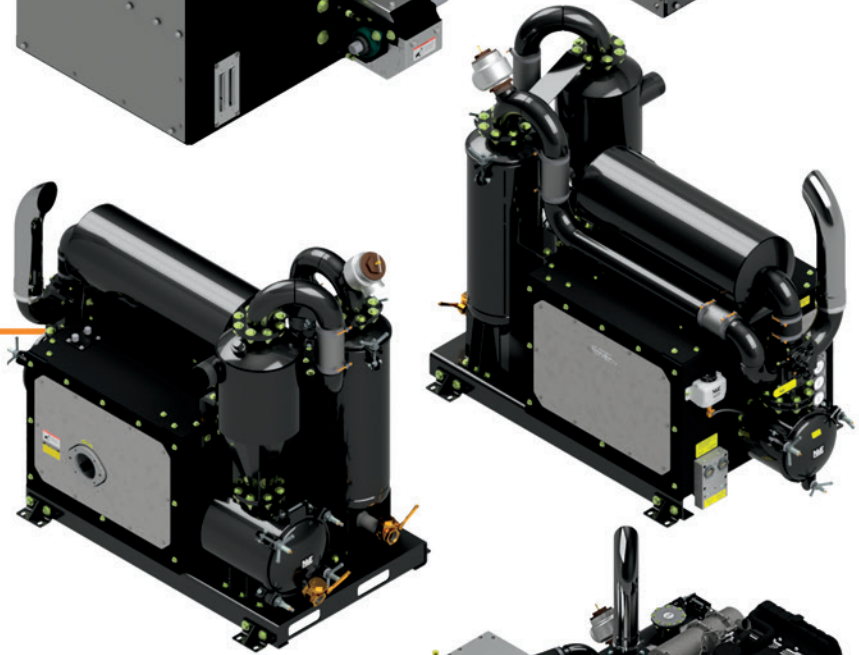
- Improved mounting accessibility
- 3/8" powder coat painted frame
- Stainless steel cabinet with larger door
- Easily accessible service points
- Blower flush kit
- Belt drive with 2.5:1 speed up ratio
- **L 39 11/16" W 46 13/16" H 29 3/4"**



TOP MOUNT PRO PAK

Hydraulic or Belt Drive

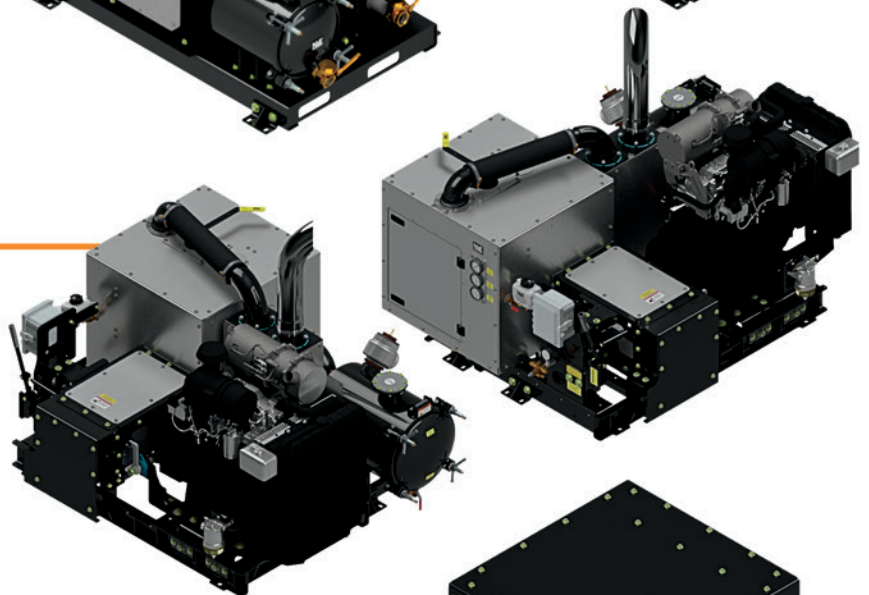
- 3/8" powder coat painted frame
- Easily accessible service points
- Blower flush kit
- Integral horizontal exhaust silencer
- Optional: Cyclone and moisture trap
- SAE C face hydraulic adapter or fully adjustable belt drive
- **L 81 15/16" W 36" H 67 1/8"**
(with cyclone and moisture trap)



EDR / EDX

Diesel Engine Belt Drive

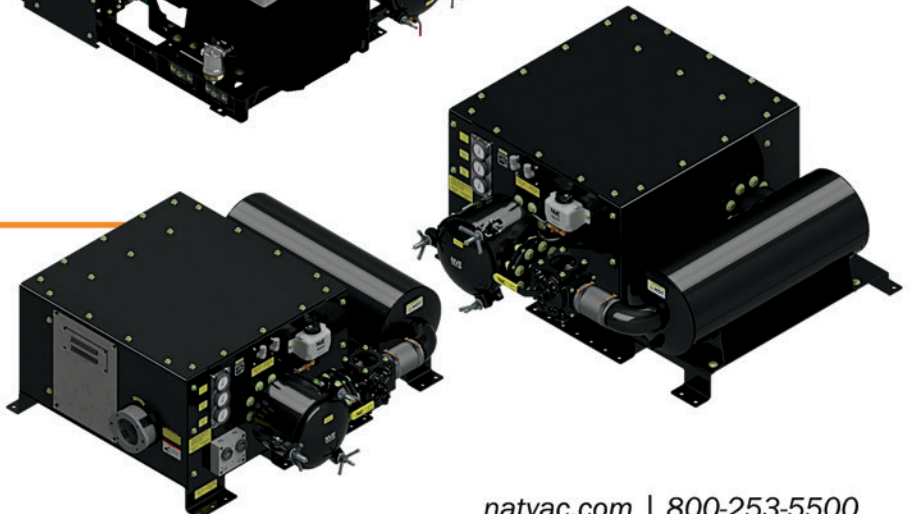
- Powder coat painted frame
- Vacuum/Pressure operation
- Pressure relief 3" 10 PSI
- Yanmar 69.3 HP Diesel Engine
- NACD Clutch on the diesel engine
- Battery 850 CCA
- Optional: 4 GPM Water pump @ 4000 psi
- Optional: Final filter
- **L 62 5/8" W 80 5/5" H 60 5/8"**



BELLY MOUNT PRO PAK

Hydraulic Drive

- 3/8" powder coat painted frame
- Easily accessible service points
- Blower flush kit
- Integral horizontal exhaust silencer
- Enhanced silencing for quieter operation
- SAE C face hydraulic adapter
- **L 58 5/8" W 59" H 26 5/8"**



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Heavy Duty Vacuum Blower

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details