



National Vacuum Equipment

Part of Atlas Copco Group

607 PRO HEAVY DUTY VACUUM PUMPS

Features

- **Fan or liquid cooled models available**
- Lifetime warranty against cracked housing
- Ductile iron housing (tough like steel)
- The NVE bi-rotational, four port oil pump is exclusive to our “oil management system” delivering the precise amount of oil required for any job. Easily adjustable to 5-24 ounces per hour.
- Built in vacuum/pressure change over valve
- Rugged braided stainless steel oil delivery lines
- Vane flush port with valve
- Vane wear inspection port
- Integral, easily accessible, and cleanable stainless steel final filter
- Proven crash protection allowing all major components to survive a catastrophic failure
- Remote mount 5 quart see through oil tank for constant oil level monitoring
- Thermometer to monitor exhaust temperature
- Multiple drive options (gearbox, belt, hydraulic, and direct)
- **Two year warranty against manufacturer defect**
- **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 vacuum. When installing a NVE 607 vacuum we recommend a normal R.P.M. of 1200. Other speeds are ok as long as exhaust gas temperatures read on the supplied thermometer do not exceed 380 degrees F.

SPECIFICATIONS	607 PRO VACUUM PUMP
Air flow - free air	380 CFM
*Full vacuum	29" HG
Maximum pressure	30 PSI
Operating Range - RPM	1250
Hp required @ Vacuum	25
Hp required @ 20 psi	28
Porting size	3"
Shaft size (3/8" key)	1 1/2"
Pump dimension	L 29 5/8" W 14 9/16" H 32 11/16"
Approximate weight	390 lbs.

Weights and measurements are for reference only

Revised 02/2025

www.natvac.com
800.253.5500

Challenger Series
VACUUM PUMPS & BLOWERS

607 PRO Pump Stand Complete



- Vacuum pump included; specify rotation and cooling type
- Package available as fan cooled and liquid cooled models
- 400 series three-shaft gearbox accommodates clockwise and counterclockwise rotation
- Coupler set with shear protection
- Highly accurate fixture welded gearbox bracket with infinite clocking between 0-6 degrees
- Also available with hydraulic drive
- L 43 3/4" W 18" H 27 1/2"

607 PRO Muffler Package



- Vacuum pump included; specify rotation, cooling type and muffler location (left or right).
- Round oil catch muffler has a compact design
- Stainless steel mesh filter
- All elbows, fittings and high temp hoses are factory connected
- Right-hand or left-hand muffler location available
- highly accurate fixture welded gearbox bracket with infinite clocking between 0-6 degrees
- Available with gear box or hydraulic drive
- L 43 3/4" W 28 1/2" H 27 1/2"

607 PRO Max Package



- Vacuum pump included; specify rotation, cooling type and muffler location (left or right).
- 12" round oil catch muffler
- Equipped with an 8" round oil catch muffler for pressure relief
- High efficiency aluminum moisture trap
- Accessible 6" stainless steel float ball
- BUNA positive shut-off ball seat
- 2" lever drain valve
- Blank intake flange standard (other fittings available)
- Vacuum/pressure relief valve and gauge
- All elbows, fittings and high temperature hoses are factory connected.
- L 43 7/8" W 42 3/8" H 28 1/2"

607 PRO Hydraulic Motor Drive



- Heavy-duty automatic alignment bracket
- SAE B face 2 and 4 bolt flange
- Coupler set L150
- Additional fan shroud mounting bracket required for liquid cooled model
- L 41 7/16" W 23" H 15 15/16"

607 PRO Top of Frame Mount



- Belt drive or hydraulic drive
- Designed for top valve pump
- Mounting bracket that includes oil catch muffler with drain valve and remote oil tank
- Belts and u-bolts sold separately
- All elbows, fittings and high temp hoses are factory connected
- Also available with hydraulic drive
- L 38" W 40" H 49 15/16"

607 PRO Engine Drive Package

- Rugged, low profile for belly-mount application
- Diesel engine power unit with control panel
- 22 gallon aluminum fuel tank
- High efficiency oil catch muffler
- 12 volt high crank capacity battery
- Powder coat painted and factory assembled
- TIER 4 final tested and compliant
- All elbows, fittings and high temperature hoses are factory connected.
- L 72 7/16" W 55 1/2" H 32 3/16"

