



887 PRO **HEAVY DUTY** VACUUM PUMPS



FEATURES

- Proven crash protection allowing all major components to survive a catastrophic failure
- Four point automatic lubrication system
- Multiple drive options (gearbox and hydraulic)
- Integral, easily accessible, final filter
- Vane flush port with valve
- Vane wear inspection port through the filter
- Enhanced axial load capabilities
- Lifetime warranty against cracked housing
- Two year warranty against manufacturer defect
- Vacuum-controlled ballast air cooling system
- Attached ballast silencing system
- An enhanced exhaust check which provides minimal free air obstruction
- Designed, built, and supported in the USA

FAN-COOLED 887 CHALLENGER SPECIFICATIONS

AIR FLOW - FREE AIR	532 CFM	
*MAXIMUM VACUUM	28" Hg	
*OPERATING RANGE - RPM	1100	1200
HP REQUIRED @ FULL VACUUM	30	33
HP REQUIRED @ 10 PSI	27	31
HP REQUIRED @ 15 PSI	27	36
HP REQUIRED @ 20 PSI	33	42
HP REQUIRED @ 25 PSI	38	48
HP REQUIRED @ 30 PSI	50	54
PORTING SIZE	4"	
SHAFT SIZE (3/8" KEY)	1 3/4"	
PUMP DIMENSIONS	L 30 7/16" W 21 7/8" H 27 3/8"	
APPROXIMATE WEIGHT	620 lbs	

*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 pump. When installing a NVE 887 pump we recommend a normal R.P.M. of 1100. Other speeds are ok as long as exhaust gas temperatures read on the supplied thermometer do not exceed 380 degrees F.

Challenger Series
VACUUM PUMPS & BLOWERS

Weights and measurements are for reference only.

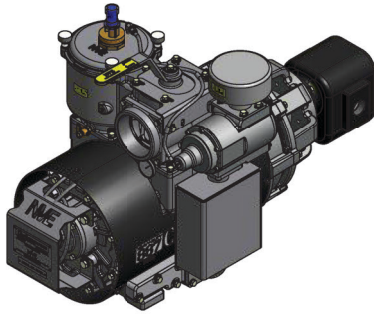
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NVE

887 PRO Heavy Duty Vacuum Pumps

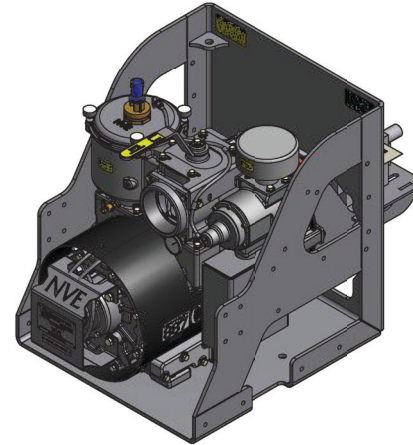


887 PRO Hydraulic Drive Pump



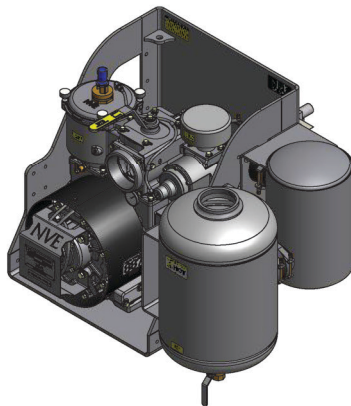
- Heavy-duty automatic alignment bracket
- SAE B face 2 and 4 bolt flange
- Coupler set L150
- L 42 7/16" W 21 7/8" H 27 3/8"

887 PRO Pump Stand Complete



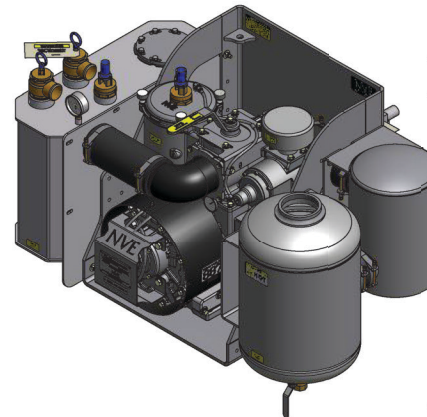
- Vacuum pump included; specify rotation
- Rugged 3/8" construction, powder coat painted, pump stand
- 400 series three-shaft gearbox accommodates clockwise and counterclockwise rotation
- E20 coupler set with shear protection
- Easy-align, adjustable gearbox bracket
- Also available with hydraulic drive
- L 45 3/16" W 23 11/16" H 26 1/2"

887 PRO Muffler Package



- Vacuum pump included; specify muffler location
- High-efficiency intake exhaust silencer
- 14" round oil catch muffler
- 1" Drain Valve
- All of the elbows, fittings, and high temperature hoses are factory connected
- Also available with hydraulic drive
- L 45 3/16" W 38 11/16" H 26 1/2"

887 PRO Max Package



- Vacuum pump included: specify muffler location (left or right)
- 14" round oil catch muffler
- 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 temp hoses are factory connected
- Right-hand or left-hand muffler location available
- High-efficiency intake exhaust silencer
- Also available with hydraulic drive
- L 45 3/16" W 48 15/16" H 29 1/4"