



National Vacuum Equipment

Part of Atlas Copco Group

887 PRO HEAVY DUTY FAN COOLED VACUUM PUMPS

Features

- Proven crash protection allowing all major components to survive a catastrophic failure
- Vacuum-controlled ballast air cooling system
- 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**
- **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 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.

SPECIFICATIONS	887 PRO VACUUM PUMP	
Maximum Airflow	532 CFM	
*Full 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 dimension	L 30 7/16" W 21 7/8" H 27 3/8"	
Approximate weight	620 lbs.	

Weights and measurements are for reference only

www.natvac.com
800.253.5500

Challenger Series
VACUUM PUMPS & BLOWERS



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
- 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
- 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
- L 45 3/16" W 48 15/16" H 29 1/4"



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