



## Bid Specs For The

# ***bp-ranger*** 1450P

<b>GENERAL</b>	The machine shall be an industrial, tank-type internal-filter vacuum cleaner, designed for wet/dry recovery.
<b>MOTOR</b>	The motor shall be a 2 HP (1550 watts) by-pass type motor. The carbon brushes shall be easily accessible for inspection by removing 4 screws from the outer cover of the powerhead. The RPM working load shall be 9,990 and the heat rise shall be 40 degrees centigrade. The motor shall have a cast-aluminum motor frame and two stationary fans (baffles) with three rotating fans attached directly to the motor shaft. The suction fans and baffles shall be removable for cleaning and replacing (not an Ametek-Lamb motor). The carbon brushes shall be easily removable from their holders by removing a cap (not cartridge type), with a life of 2,000 hours per set. The armature shall be removable for service and shall have a running life of 12,000 hours, mounted on full ball bearings (each end), and housed in a steel, replaceable housing (so that in case of failure, the motor end plate and motor frame will not be scored, requiring total replacement).
<b>POWERHEAD</b>	The cover, motor stand, etc., shall be rotocast polyethylene. A float shut-off shall be built into the powerhead to protect the motor fans.
<b>TANK CAPACITY</b>	The recovery capacity shall be 14.5 gal. (55 l) wet and 1.7 bushel dry. The tank shall be constructed of rotocast polyethylene.
<b>FILTER</b>	The internal, removable-type filter shall have a surface area of 625 in. <sup>2</sup> (4032 cm <sup>2</sup> ).
<b>SOUND LEVEL</b>	The machine shall have a sound level of 63 dbA at the operator position.
<b>MOUNTING</b>	The machine shall have two 10-in. (2.54 cm) diameter wheels and two 2-in. (5 cm) swivel casters. The machine shall be mounted on a tip/dispose base and handle so that the container can be tipped and wet waste emptied into a toilet.
<b>CORD</b>	The cord shall be 50 ft. (15 m) with an 16-3 SJT, safety yellow.
<b>PERFORMANCE</b>	The waterlift shall be 50 in. at .75-in. orifice, 39 in. at 1-in. orifice, 28 in. at 1.25-in. orifice, 18 in. at 1.5-in. orifice and 7.5 in. at 2-in. orifice. The CFM shall be 54.3 at .75-in. orifice, 84.8 at 1-in. orifice, 111 at 1.25-in. orifice, 130 at 1.5-in. orifice, and 146 at 2-in. orifice.

**DIMENSIONS**

Weight: 73 lbs. (33.1 kg)  
Height: 36 in. (91.5 cm)  
Width: 22.5 in. (58.1 cm)  
Length: 24 in. (61 cm)

**OPTION**

The machine shall be available with a 27-in. (68.5 cm) front-mounted squeegee. This squeegee will pick up in forward and reverse.

**UL / ULC LISTING**

The machine shall be UL / ULC listed.

**ISO 9000**

NSS Enterprises, Inc. has been ISO 9001 registered since September 23, 1998.

**WARRANTY**

The machine shall have a 7-year limited warranty against defects in material and workmanship.

**NSS<sup>®</sup> Enterprises, Inc.**

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Specifications subject to change without notice.