

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS
FOR VIPER RIDER SCRUBBER
AS710R™**

GENERAL	Machine shall be a three wheel battery-powered ride on automatic scrubber with cab forward design and the ability to scrub and vacuum in one pass.
CLEANING PATH	Shall have a 28 inch (710 mm) scrub path using two 14 inch (355 mm) brushes.
SOLUTION /RECOVERY TANKS	<p>The Tanks shall be constructed of rotomolded polyethylene that will not dent, chip, crack or corrode. The tank capacity shall be no larger than 26 gallons (98 liters) so it can scrub in tight congested areas for superior cleaning.</p> <p>The tank must have a manual sight gauge that indicates how full the solution tank is to optimize dump and refills thereby increase productivity and aid in mixing detergent in the tank.</p> <p>The recovery tank shall have a large opening that allows for easy and thorough cleaning preventing the growth of odor causing bacteria.</p> <p>The machine shall be equipped with a front guard that protects the machine from damage and lowers the total cost of ownership (TCO).</p> <p>The machine shall have low solution and full recovery tank LEDs on the dashboard to indicate when the solution tank is empty or the recovery tank is full.</p>
BATTERIES AND CHARGER	<p>The machine shall come standard with (4) 6 volt, 260 Ah maintenance-free AGM batteries for safety and convenience.</p> <p>The machine shall be equipped with an onboard charger as standard for convenience and ease of use. Under the seat there shall be a location to store the onboard charger cord.</p>
SOUND LEVEL	Sound pressure level hospital quiet and meet LEED requirements by less than or equal to 69 dB A in normal operation.
SCRUB DECK	<p>The scrub deck shall be raised and lowered via a foot pedal with no actuator to increase machine reliability and reduce the TCO.</p> <p>The machine shall have steel side skirts with gum rubber blades that control and direct dirty water to the rear squeegee and wipe the floor leaving it clean, dry and safe. The side skirts shall be adjustable to accommodate brushes and achieve excellent wiping for safety.</p> <p>Scrub pressure shall be a maximum of 77 pounds (35 kg) for superior cleaning without damaging delicate floor surfaces.</p> <p>The machine shall come with 2 poly brushes standard. The attachment method shall use an industrial 3-lug system for reliability and lowest total cost of ownership (TCO).</p>
SCRUB MOTORS	The scrub deck shall be equipped with two motors each rated at 0.40 hp (300 Watts). The motors shall be protected from overload by circuit breakers for safety, reliability and lowest TCO.
SQUEEGEE SYSTEM	<p>The machine shall come standard with polyurethane squeegee blades that have the utmost abrasion resistance for long life and lowest TCO.</p> <p>The squeegee shall not exceed 37 inches (94 cm) which allows it to scrub in areas that would be inaccessible with a larger squeegee.</p> <p>The machine shall have a rear squeegee hanger so that the machine can be transported quickly through doorways increase productivity and safety.</p> <p>The squeegee tools shall be adjustable without the use of tools for ease of use and safety.</p>

VACUUM MOTOR

The machine shall be equipped with a 3-stage, 0.67 hp (500 Watt) vacuum motor that can vacuum up the dirty water and leave the floor clean, dry and safe in one pass.

SOLUTION CONTROL SYSTEM

The machine shall be a gravity solution system for the utmost in reliability and lowest TCO.

There shall be no fewer than 4 solution flow rates so the water and chemical can be adjusted to precisely match the cleaning application without using too much water and chemical.

DRIVE SYSTEM

Shall have one 0.67 hp (500 Watts) drive motor with integrated electromagnetic brake. Shall use a non-marking high traction urethane tire 9.84 inches (250 mm) in diameter with a width of 3.15 inches (80 mm).

Forward transport speed shall not be less than 3.7 mph (6.0 kph). Reverse speed shall not be less than 2.96 mph (4.2 kph)

CONTROLS, GAGES AND OTHER FUNCTIONS

Machine shall have the following controls:

- One touch scrub on/off
- Four solution flow rate settings and off
- USB port for charging cell phone and other devises
- Cell phone holder
- Key switch
- Backup alarm standard
- Horn
- Battery gauge
- Hour meter
- Empty solution tank and full recovery tank LEDS
- Forward/reverse switch
- Maximum speed potentiometer
- Emergency stop

GRADEABILITY

10% maximum

SPECIFICATION

Cleaning Path	28 in (710 mm)
Solution/Recovery Tank	26 gal (98 L)
Maximum Speed	3.7 mph (6 km/h)
Brush Diameter	14 in (355 mm)
Brush Pressure	77 lbs (35 kg)
Brush Motor	0.40 hp (300 Watts)
Brush RPM	204 RPMs
Vacuum Motor 3-Stage	0.67 hp (500 Watts)
Sound Pressure Level	69 dB A
Battery	(4) 260 Ah AGM
Net Weight (Empty Tanks, with Batteries)	772 lbs (350 kg)
Squeegee Width	37 in (940 mm)
Length x Width x Height	62 x 30 x 48 In (1580 x 760 x 1230 mm)

MACHINE SHALL BE A VIPER AS710R™