



Bid Specs For the **champ**₂₉₂₉

GENERAL	The machine shall be a 29-in. battery-powered ride-on scrubber.
SCRUBBING PATH	The scrubbing path shall be 29-in. (74 cm).
VACUUM MOTOR	The vacuum motor shall be 3-stage, bypass type with tangential discharge. The motor shall be 0.75 HP.
BRUSH MOTOR	The brush drive motor shall be a permanent magnet, 56 frame size, dual gear box motor type. The motor shall be 3000 RPM contra-rotating and 2 HP.
BRUSHES	The brush/pad speed shall be 300 RPM. The brushes shall be (2) 15-in. (38 cm) which are available in nylo-grit, nylon, steel wire or bassine. The brushes shall have a 1-inch overlap to eliminate center streaking in the cleaning path.
PAD DRIVERS	The machine shall have (2) 15-in. (38 cm) poly-back, tufted pad drivers, with center cup.
SOLUTION FLOW	Lever on the steering column shall actuate the adjustable flow, forged brass valve, PTFE seat and seals. The solution flow will be stopped by a solenoid valve when the machine is stopped.
DRIVE MOTOR	The drive motor shall be 1 HP permanent magnet motor.
DRIVE WHEEL	The drive wheel shall be 12-in. (30.5 cm) diameter and 3.5-in. (9 cm) wide with non-marking, slip-resistant rubber, with strip-grip tread. This unit shall be able to turn 90° in either direction with a 67-inch turning radius.
DRIVE SPEED	Forward: 0-5 mph (0-8 kph). Reverse: 0-3 mph (0-5 kph).
TANK CAPACITIES	The solution tank shall be 29 gallons (110 l.). The recovery tank shall be 32 gallons (121 l.).
CONSTRUCTION	The frame shall be constructed of powder-coated, 7-gage steel. The body and tanks shall be constructed of rotocast polyethylene.
SQUEEGEE	The squeegee shall be 33 inch (84 cm) curved type. It shall be a linatex blade. The squeegee blade can be reversed and inverted for maximum life. The squeegee assembly shall retract when in reverse.
DIMENSIONS	Length: 64 in. (163 cm) Width: 33 in. (84 cm) Height: 53 in. (135 cm)

BATTERIES	(6) 6-volt 225 ah or (6) 6-volt 325 ah. The batteries shall be side-loaded — no lifting heavy batteries over the side of the unit. The battery tray shall be ‘waffled’ at the base in case of acid overflow — batteries won’t sit in acid. The battery tray can be emptied by a drain hose.
BATT. CHARGER	The battery charger shall be mounted on-board, allowing the batteries to be charged anywhere an electric outlet is available.
RECHARGE TIME	12-13 hours
SEAT	The operator seat shall be fully adjustable with a safety switch will not permit the machine to operate without operator in the seat.
CONTROLLER	The machine shall have the X-IQ Electronic Control System to govern all functions of the scrubber. Three channel LCD screen shall display pad pressure, solution flow, battery levels, vacuum power and run times. This controller shall have diagnostic functions that allow machine technicians to read error codes and instantly diagnose machine problems.
ERGONOMICS	The steering column shall have 5 position adjustments (0° to 40°).
BRAKES	The brake pedal shall activate disc brakes on the drive wheel. This pedal shall activate the parking brake.
KILL SWITCH	The machine shall have an emergency kill switch on the operator control panel.
DECK LIFT	The machine shall have an emergency toggle switch to activate the brush deck lift if the power dwindles or the machine breaks down. This safety feature enables save transport of the unit with the scrub deck off of the floor.
WEIGHT	Machine only: 618 lbs. (280 kg) Machine w/ batteries (325 ah) and charger: 1278 lbs. (580 kg)
SOUND LEVEL	The sound level shall be 69 dbA at the operator position.
ISO 9000	The manufacturer must be ISO 9001 registered.
TWISTER	The machine shall be Twister-approved. Because of its enhanced pad speed, pressure, and durability, this machine is optimal for the Twister system that transforms dull marble, granite, terrazzo, and polished concrete into glossy, brightly-polished floors.
WARRANTY	The warranty shall be 3 years limited against defects in material and workmanship, and have a 10-year warranty on the polyethylene body and tanks.

NSS® Enterprises, Inc.

3115 Frenchmens Road • Toledo, Ohio 43607 USA
 PH 419/531-2121 • FAX 419/531-3761
 Specification subject to change without notice.