GTX Rider Scrubber

GTX 26-D

GENERAL

Machine shall be generally described as a battery-powered rider scrubbber:	Tomcat
The specific model and size should be:	GTX 26-D
This bid defines a self-propelled rider machine that wet "scrubs and dry" vacuums a path of:	26"
For expedited parts delivery, machine shall be made in:	United States
The machine contains separate tanks for solution and recovery water, with a minimum capacity in each tank of:	35 gallons

SOLUTION TANK

The solution tank shall be made of heavy gage (.360") polyethylene plastic. A fill port at the front of the tank. Solution screen must be stainless steel and located, with the check valve, inside the axle mount cavity, where it is accessible from the top side. The solution tank specifically must hold a minimum of:	35 gallons

RECOVERY TANK

Recovery tank shall be made of polyethylene, that is a minimum thickness of (.360"). Tank shall be designed to be easy to clean, with complete access to the recovery tank's floor, wherein the entire inside and floor of the tank is visible and reachable. A heavy duty, discharge control, 2.0" diameter drain hose shall be supplied, made of latex rubber. To simplify access for planned maintenance, tank must include:	"Tip Back" feature
Recovery tank must also include "Drain Saver" basket, to collect all liter in the recovery water, to keep discharge water from clogging floor drains. Drain saver basket must be constructed of stainless steel, with 1/4" mesh screen, and be removed without tools or loose fasteners.	35 gallons

BRUSHES/PADS

For preferred maneuverability and productivity the machine shall use:	2 disk brushes
Scrub brushes shall be:	Qty: 2 @ 13" each
For preferred cleaning performance the machine's scrub brushes/pads should operate at:	265 rpm
To allow a "Stripping" & "Scrubbing" Mode, the unit must have 2 speed settings, with 2nd at:	

BRUSH HEAD

To reduce the stress on the operator, the machine's brush head shall be raised and lowered by an electric actuator with a minimum capacity of:	500 lbs.
To achieve consistent performance and reduce damage to the floor, the machine's scrub pressure control shall be automatic, with a LCD readout showing the:	5 Pressure Settings
To restrict unauthorized changes to scrubbing pressure, the "Manager's Lockout" must be:	Standard
To restrict unauthorized changes to the solution flow, the "Manager's Lockout" must be:	Standard

BRUSH MOTOR

The scrub motor shall be heavy duty, permanent-magnet DC:	(Qty: 2) 0.75 hp / 265 rpm

VACUUM MOTOR

The vacuum motor is to be protected with a ball and stainless screen system wherein the ball reacts to the level of foam inside the tank and shuts off air flow to the vacuum motor. The vacuum motor must be 3-stage and rated at:	650 watts

SQUEEGEE

Squeegee shall be curved, with four usable edges on the rear blade. It shall move when the machine turns to control water. It shall be protected against impact with "Non-Marking" 4" diameter, side wheels, and a breakaway feature. For preferred water recovery, the squeegee shall have a minimum width of:	32"

DRIVE SYSTEM

Machine shall have an "all-gear" drive, that powers "front wheel", which also steers 93 degrees to both sides for superior manueverability. Chain drive units will not be acceptable. Traction system shall be infinitely variable in speed and shall include a **(PWMC)** motor control, with speed cut to 50% for reverse. The traction motor shall be rated at a minimum of:	750 Watts

TIRES

For preferred machine stability and low impact on sensitive floors, only machines with wide tires will be acceptable. Machine will have a:	3-Point Stance
Front drive tire shall be solid, cushion, non-marking and size minimum of:	(Qty 1): 10" dia x 3" wide
Rear wheels shall be solid, low rolling resistant and size minimum of:	(Qty 2): 12" dia x 5" wide

BATTERIES

Scrubber shall include at least 6 batteries, to form a minimum of 36-volt DC system. Batteries must be located in a 14" tall, plastic battery tray to contain any and all fluids. The battery size must be a minimum of:	(Qty 6) 245 ah
For extended run time, optional battery upgrade and appropriate charger should be quoted in the size of:	(Qty 6) 325 ah / 36 amp
Battery brand must be:	Trojan

CHARGER

Charger shall be "shelf mounted", and fully automatic type, running on 110-volt / 60-Hz / AC power. It shall provide a minimum of 36-volt DC output of:	25 amps

CONTROLS

A wide foot pedal, with single direction operation, arranged to allow operator to engage forward speed. For operator ease a separate switch for reverse will be used. No "Wig Wag" foot pedals will be considered.
The instrument panel shall include an LCD-Type display with an "Operating Mode" and icons for battery gauge, scrubbing pressure, scrub On, vacuum On, water flow On. It shall also include a "Maintenance Mode", with 4 hour meters for Key On, Vacuum On, Scrub On, Traction Drive On
The squeegee shall be lifted and lowered by an electric actuator and go up automatically in reverse, with the vacuum automatically operating whenever the squeegee is lowered. To more completely dry the squeegee hose, and reduce discharge back onto the floor, the vacuum shall have a timer that engages when the squeegee is lifted to the off position that operates for: 21 seconds

DIMENSIONS

Machine maximum dimensions shall be:	(65"L x 26"W x 52"H)
Machines maximum weight (including batteries) shall be:	887 pounds

CONSTRUCTION

For preferred durability and longevity the scrubber's main frame shall be made of a steel, powder-painted to resist corrosion, and of a thickness of at least:	7-gage (3/16")
This heavy gage frame shall fully support the weight of the batteries, the tanks, hold the scrub deck rigid and locate the casters and transaxle. For future ease of service, all of the fasteners on the scrubber shall be made of:	Stainless Steel
To protect the facilities interior walls, both front corners of the machnes frame must each include:	(2) 3" Tall Poly Rollers

OTHER FEATURES

Non-Marking Tires	Optional
Manager's Lock-out of Down Pressure	Standard
Manager's Lock-out of Solution Flow	Standard
E-Stop	Optional
Onboard Soap (SUDS)	Optional
Remote Spray Hose	Optional
Vacuum Wand	Optional
Sealed Batteries	Optional
Onboard Charger	Optional
Stainless Steel Baffle	Optional
Parking Brake	Standard
HD Steel Rear Bumper	Standard
Scrub Deck Shrouds	Standard
Scrub Deck HD Side Doors	Optional