

Magnum Traction Drive

Magnum 28"-EDGE

GENERAL

Machine shall be of the type generally described as a battery-powered "automatic":

The specific model and size should be:

Magnum 28"-EDGE
28"

This bid defines a self-propelled machine that wet "scrubs and dry" vacuums a path of:

United States

For expedited parts delivery, machine shall be made in:

The machine contains separate tanks for solution and recovery water, with a minimum capacity in each tank of:

30 gallons

SOLUTION TANK

The solution tank shall be made of heavy gage (.360") polyethylene plastic. Dual fill ports, with one at the front of the machine and a second at the rear. Solution screen must be stainless steel and located, with the check valve, on the scrub deck permitting top access. The solution tank specifically must hold a minimum of:

30 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, 1.5" 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 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. Recovery Tank capacity shall be minimum of:

30 gallons

BRUSHES/PADS

For preferred maneuverability and productivity the machine shall use:

Scrub brushes/pads shall be:

1 rectangular pad

For preferred cleaning performance the machine's scrub brushes/pads should operate at:

Qty: 1 @ 28" x 14"

To allow a "Stripping" & "Scrubbing" Mode, the unit must have 2 speed settings, with 2nd at:

2500-rpm (Oscillates 1/4")

2000-rpm (Oscillates 1/4")

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:

Optional

BRUSH MOTOR

The scrub motor shall be heavy duty, permanent-magnet DC:

(Qty: 1) 1.0 hp / 2500 rpm

For heavy duty scrubbing an optional scrub deck upgrade must be available to motors of:

(Qty:1) 1.2 hp / 2900 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:

35"

DRIVE SYSTEM

Machine shall have an "all-gear" transaxle, that powers "two wheel drive" for improved traction and stability. Single tire or 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:

450 Watts

