Sweepers

GENERAL
Battery Powered Sweeper, with two process cleaning to include.
The specific brand / model and size should be: Factory Cat TR
This bid defines a machine that is: Rider Sweeper
Machine is must sweep and control dust in a single pass a width not less than: 48" in
For expedited parts delivery, machine shall be made in: United States

POWER SOURCE
Machine shall be battery powered for no emissions and low noise levels via: 24-volt system
Batteries shall be contained in a 14" tall plastic tray, with a valve controlled tube, to contain any electrolyte spill. The battery system shall be comprised of:
Qty (4) batteries
6-volt / 245 ah batteries
Battery brand must be: Trojan
Optional battery pack must be available for maximum of:
Qty (4) @ 6-volt / 420ah

CHARGER
Charger shall be and fully automatic type, running on 110-volt / 60-Hz / AC power. It shall provide a minimum output of:
24-v / 25 amps

DRIVE MOTOR
Shall be equipped with a drive motor of:
1.0 hp
For heavy duty ramp climbing, and Optional front drive must be available and rated at:
2.0 hp
For preferred stability and traction, unit shall power via:
All Gear Chassis Drive

SPEED
"Drive Speed" shall be fully variable from 0 - 4 mph maximum, and have a parking brake.

STEERING
Machine must include an adjustable handlebar, and be front wheel steer and rear wheel drive to permit a minimum aisle turning width of:
74"

MAIN BROOM MOTOR
Shall have a single motor that is heavy duty, permanent-magnet DC, rated at:
1.0 hp / 2,000 rpm
For increased motor life, the motor must be total enclosed with no ventilation slots.
To reduce the stress on the operator, the machine's main and side brooms shall be raised and/or lowered from levers positioned at the rear of the machine.
To reduce maintenance, the Main Broom shall not require rotation due to wear. For preferred cleaning on irregular floors, the Main Broom must be:
Fully Floating

MAIN BROOM
Shall be a quantity of one, and size of (diameter x length) of:
10" x 32"
For optimum sweeping, it shall operate at a minimum of:
440 rpm
For simplicity and maximum energy efficiency, the broom shall be:
Belt Drive
For preferred sweeping, the Main Broom must have a bristle pattern that is:
Chevron ("V" shaped)
For improved service life, the main broom must be driven by belt size of:
4L

HOOPER
Hopper must be constructed of steel, and be located in front of the main broom for a preferred sweeping method of:
Direct Throw
Minimum hopper capacity of:
4.2 cubic feet
SIDE BROOM
Side broom motor shall have a minimum power rating of: (Qty 2): 0.15 hp
To avoid damage to the motor, the side broom must be drive by the motor through a: Replacable Coupling
Shall be a quantity of and size (diameter) of: (Qty: 2) @ 17"
For optimum sweeping, it (they) shall operate at a minimum of: 100 rpm

CONTROLS
Shall have a single button with 3-positions for Off / Main Broom On / Main and Side Broom On. Low battery indicator light is standard equipment.

TIRES / CASTERS
All tires must be solid. Semi-pneumatic or foam filled will not be accepted.
Front Caster/Wheel shall be: Qty (1) 10" dia x 4" wide
Rear Wheels shall be: Qty (2) 14" dia x 5" wide

SOUND LEVEL
Shall have a maximum at the operator's position of: 68 dB(A)

CONSTRUCTION
For preferred durability and longevity the machine's main frame shall be made of a steel, powder-painted to resist corrosion, and of a thickness of at least: 10-gage (1/8")
Frame shall fully support the weight of the battery, and locate the transaxle and front caster. For future ease of service, all of the fasteners on the machine shall be made of: Stainless Steel
The avoid damage to walls and machine, the front shall be protected by: Qty (4) Non-Marking Rollers

DUST CONTROL
Shall have "Active" dust control that offers: 210 cfm
For preferred dust control and capacity, the filter size shall be a minimum of: 40 Square foot "Baghouse"
The filter must include a lifetime warranty, and be constructed of: 3 Micron / Poly Felt

DIMENSIONS
For easy storage and maximum manuverability, maximum dimensions of: (55"L x 26"W x 50"H)

OTHER FEATURES
Non-Marking Tires Standard
Sealed Batteries Optional
Adjustable Side Broom Speed (rpm from 10 - 100) Standard
LED Headlights (In place of standard) Optional
Overhead Guard Optional
Rear Trash Can Platform Optional
Onboard Charger Standard
HD Package Optional