

# Sweepers

TR

## GENERAL

Battery Powered Sweeper, with two process cleaning to include.

The specific brand / model and size should be:

This bid defines a machine that is:

Machine is must sweep and control dust in a single pass a width not less than:

For expedited parts delivery, machine shall be made in:

Motor Driven Broom & Vacuum  
Factory Cat TR  
Rider Sweeper  
48"  
United States

## POWER SOURCE

Machine shall be battery powered for no emissions and low noise levels via:

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:

With an individual voltage and amp hour rating of:

Battery brand must be:

Optional battery pack must be available for maximum of:

24-volt system  
  
Qty (4) batteries  
6-volt / 245 ah batteries  
Trojan  
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:

For heavy duty ramp climbing, and Optional front drive must be available and rated at:

For preferred stability and traction, unit shall power via:

1.0 hp  
2.0 hp  
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:

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:

1.0 hp / 2,000 rpm  
  
Fully Floating

## MAIN BROOM

Shall be a quantity of one, and size of (diameter x length) of:

For optimum sweeping, it shall operate at a minimum of:

For simplicity and maximum energy efficiency, the broom shall be:

For preferred sweeping, the Main Broom must have a bristle pattern that is:

For improved service life, the main broom must be driven by belt size of:

10" x 32"  
440 rpm  
Belt Drive  
Chevron ("V" shaped)  
4L

## HOOPER

Hopper must be constructed of steel, and be located in front of the main broom for a preferred sweeping method of:

Minimum hopper capacity of:

Direct Throw  
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 manuverabilty, 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