

Sweepers

Model 34

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 Model 34
Self Propelled / Walk Behind
34"
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:

12-volt system
Qty (1) battery
12-volt / 185 ah batteries
Trojan
NA

CHARGER

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

12-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
NA
Sealed Differential

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:

57"

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 / 1,800 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 26"
400 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
2 cubic feet

SIDE BROOM

Side broom motor shall have a minimum power rating of:

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: 1) @ 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) 6" dia x 2" wide

Rear Wheels shall be:

Qty (2) 10" dia x 2" 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:

12-gage

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 (2) Non-Marking Rollers

DUST CONTROL

Shall have "Active" dust control that offers:

200 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)

Optional

LED Headlights (In place of standard)

NA

Overhead Guard

NA

Rear Trash Can Platform

NA

Onboard Charger

Standard

HD Package

Optional