

## **GENERAL BID SPECIFICATIONS FOR A COMPACT RIDER SWEEPER**

***INTENT:*** The intent of the specifications is to describe a single ride on machine capable of sweeping the inside or outside areas such manufacturing facilities, warehousing, or large commercial facilities such as airports, hospitals, malls, schools, etc.

In order to reduce labor and operating costs, the capacities of this machine are very important.

All exceptions to the specifications must be clearly identified and submitted, in writing, on a separate sheet of paper marked, "EXCEPTIONS." Bidders who fail to submit their exceptions will not be considered.

***POWER SOURCE:*** The machine shall have four, six volt (4-6V) 310 AH Batteries available for acceptable runtime. Shall be equipped with a "smart" 24 volt onboard charger for quick charge times and battery protection.

Must also have option for 312 AH maintenance free (AGM) battery system.

***SWEEPING SYSTEM:*** An overthrow sweep system required for maximum performance.

***CLEANING PATH:*** A minimum cleaning path of forty-three inches (46") (117 cm) is required, utilizing a 28" (700 mm) long main broom. The bristles shall be mounted in a plastic core eliminating the possibility of water damage. No tool broom change required to minimize maintenance and downtime. Two (2) 16.5" (420 mm) minimum side brooms required to insure productivity and versatility. Standard side brooms must not contain metal wire to prevent damage to carpet surfaces

***OVERALL DIMENSIONS:*** Machine overall length shall be no more than 58 inches (148 cm) with a maximum width of 37 inches (93 cm) for ease of maneuverability and machine efficiency.

***DEBRIS HOPPER:*** Machine shall be a minimum volume capacity of 2.5 cubic feet (70 l) to be constructed of high impact steel with transport dolly wheels for operator safety.

***DUST FILTER SYSTEM:*** Machine shall be equipped with 1 panel style, water resistant filter with a minimum filter area of 54 square feet (5 m<sup>2</sup>). Filter shall be easily removed without tools for inspection and replacement. Filter compartment shall be protected with a baffle system filtering out larger particles extending life of panel filter. An electrical shaker motor activated from the operator compartment must be standard.

***STEERING SYSTEMS:*** Machine to be of the front wheel steer design for maximum maneuverability. 180° turning radius maximum with a minimum turning radius of 92.9 inches (236 cm). Machine to be equipped with dynamic braking stopping the machine within its own length for safety.

***OPERATOR COMPARTMENT:*** Compartment shall be equipped with an adjustable operator seat to assure operator comfort.

***TIRES:*** Tires shall be non-marking solid rubber allowing unit to negotiate improved and unimproved surface, eliminate flats and to protect swept surfaces.

***WHEEL LOCK:*** A foot activated wheel locking system to be supplied for operator and pedestrian protection.

***FRAME CONSTRUCTION:*** Frame to be fabricated of welded 11 gauge steel, reinforced at all stress points required for machine durability.

***PAINT:*** Must be a powder coating which will provide extra corrosion and scratch resistance. Standard manufacturer's colors are acceptable.

***WARRANTY:*** 6 months labor, 2 years/2000 hours parts, 6 months travel.

***LABOR, PARTS & SERVICE:*** Local parts and factory trained technicians must be available.