

SCHWARZE M5000

Mechanical Broom Sweeper

Heavy Duty
Dependable
High Dump



Schwarze Industries is dedicated to using a Total Performance Teamwork concept to produce, maintain and market the finest power sweeping equipment in the world. All of our products are made with pride in the USA, and we offer a broad line, with more sweeper models to choose from than any other manufacturer in America.

The Schwarze Model M5000 is a heavy duty, chassis mounted mechanical broom sweeper with a 5 cubic yard capacity. Its basic design has had over 35 years of successful operation throughout the United States and around the world. The Schwarze M5000 is available with a high-dumping hopper and can be mounted onto either a conventional or cab-over chassis. The M5000 offers an extremely rugged, simplistic design, ideal for use in a wide variety of demanding road sweeping applications. The M5000's innovative design makes sweeping

easier and more reliable, while saving the owner both time and money. In addition to the M5000 mechanical sweeper, Schwarze Industries offers the M6000 mechanical sweeper available in both a single or twin engine configuration. Schwarze offers a variety of other sweeper models designed for both municipal and parking area applications including regenerative air and vacuum designs as well as a sweeper designed specifically for airport runways.

SPECIFICATIONS

Chassis

Mounts on various cab-over and conventional chassis to meet customer requirements.	
Length	Chassis dependent
Sweeping Path	120" (3048mm) with brooms extended
Overall Height	Chassis dependent
Travel Width	96" (2438mm)
GVWR	31,000 minimum (14,061kgs)

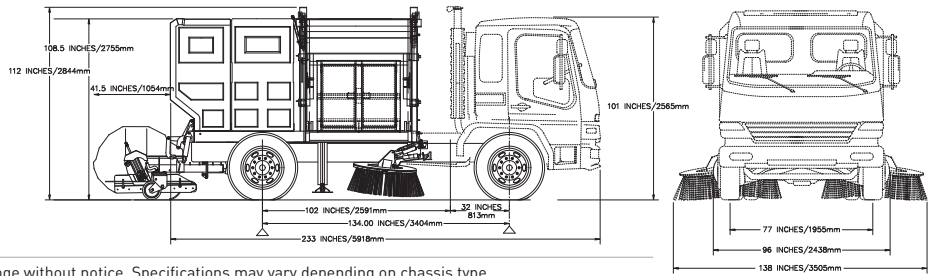
Gutter Brooms

Location	Behind cab
Diameter	49" (1245mm)
Speed	Variable
Flex	Free Floating; auto lift in chassis reverse
Drive	Full hydraulic
Adjustments	In-cab remote for: tilt (hydraulic), GEO (optional), and lift (hydraulic)
Bristles	26" (660mm) wire
Center Deflector	Raises and lowers automatically

Main Broom

Diameter	36" (914mm)
Length	58" (1473mm)
Bristles	Replaceable
Control	In-cab hydraulic lift (broom raises automatically when reverse gear is engaged)
Drive	Direct; hydraulic motor
Mounting	Full floating
Speed	Variable
Bearings	Self-aligning
Broom Cover	Top exposing; swing away
Rear Re-Entry Deflector	Spring loaded; adjustable; rubber
Dirt Shoes	Anti-trailing; polyethylene (Extra Heavy Duty) Equipped with casters and counterbalance die spring cartridges. Single point attachment ensures constant main broom surface contact and reduces the possibility of coning the main broom.
Support	

SPECIFICATIONS CONTINUED ON BACK



Model shown with optional equipment. Design and specifications subject to change without notice. Specifications may vary depending on chassis type.

Dirt/Auger Conveyor Debris Receptacle Bolt-on; replaceable without removing elevator assembly Auger 58" x 14" (1473 x 356mm) heavy duty steel Conveyor Squeegee with replaceable flights Conveyor Chain Precision, heavy duty, contact-radius roller chain Bearings Self-aligning; triple sealed and shielded Conveyor Floor Bolt-on; abrasion resistant Speed Variable (forward and reverse) Flexibility Flexes for large object passage Adjustment 3-way positive Conveyor/Hopper Connection Positive seal to eliminate debris spillage Suspension Counterbalance die spring cartridge Lift Control In-cab hydraulic Conveyor Jam Warning (Optional) Console mounted Cleaning Built-in flushing system		Mounting Pump Bolt-on removable Hydraulic motor-driven; roller type Spray Bars In-cab, independent control; 7 nozzles located across the front bumper, 2 nozzles at each gutter broom, and 4 nozzles across the rear conveyor (optional) Filter Fine mesh screen	Torque 211 ft-lb (286Nm) @1700 RPM Warranty 2 years / 2000 hours
Debris Hopper Volumetric Capacity 5 cu yds. (3.8mm ³) Lift Capacity 10,000 lbs (5,535kgs) Dumping Direct transfer (right or left) Material 10 gauge steel Dump Height 118" (2997 mm) Includes safety pins, 25" x 13" Plexiglass ® inspection window		Fuel System Fuel Tank(s) 56 US Gallons Location Along truck frame rail Hydraulic System Pump 4-stage gear pump Reservoir 33 gallons (mounted above pump) Oil Cooler Mounted to engine radiator Valves Electromechanical; 12 volt DC Protection Pressure relief valve @ 4 pumps Controls In-cab; all electric Filtration (2) 100 mesh suction strainer, (2) 10 micron spin-on return filters	Safety Lighting The Schwarze M5000 meets all federal motor vehicle safety standards, and is equipped with a fire extinguisher, hopper safety pins, automatic dump stabilizers, high mount back stoplight, gutter broom work lights, recessed rear flood lights and integral arrowboard. Paint One coat of a suitable primer/sealer and two coats of Dupont Imron 5000 Polyurethane in standard white color. Warranty The Schwarze M5000 sweeper is guaranteed to be free from defects to faulty materials and/or workmanship for a period of 12 months, or 1200 hours. Liability is limited to replacement of defective parts at the factory or authorized dealer. The standard warranties of the chassis and auxiliary engine manufacturer shall apply. NOTE: Specification are subject to change without notice.
Water System Tank Capacity 350 gallons (2-175 Saddle Tanks) Construction Polyethylene Filler 2" air gap fill tube; protected receptacle Fill Hose 25' with 2 1/2" NST hydrant coupling		Electrical System Voltage 12 volt Alternator Chassis 160 AMP; sweeper 65 AMP Protection Resettable circuit breakers Sweeper Engine Make / Model Tier III John Deere 4045TF Type In-line diesel; 4-cylinder Displacement 276 cu.in. (4.5L) Horsepower 80HP (60kW) @ 2400 RPM	Rule 1186 AQMD Certified The Schwarze model M5000 mechanical sweeper has been designated by the South Coast Air Quality Management District as Rule 1186 Certified for its ability to pick up and contain small-micron material.

INFINITE POSSIBILITIES

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