

# SCHWARZE M6000

**Mechanical Broom Sweeper**

Field Proven  
Productive  
High Dump



The NEW  
Canbus Control  
System  
standard with  
all Schwarze  
M6000 models





The NEW Canbus Control System



# SCHWARZE INDUSTRIES M6000 MECHANICAL BROOM SWEEPER

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 M6000 line is steadily earning a reputation as the premier heavy duty mechanical broom sweeper in the American marketplace. With our recent introduction of our CANbus Control System the M6000 has taken another huge leap that will further solidify its presence in both the municipal and contractor marketplace.

This brochure describes the single (SE) and twin engine (TE) M6000 models that are mounted onto conventional chassis or cab-over chassis. The versatile Schwarze M6000 series sweepers also offer many of the design innovations that have become

the Schwarze hallmark. On the M6000TE, a dependable Deutz diesel engine operates all sweeping functions, while the M6000SE sweeper functions are powered by the chassis engine via an Allison World Transmission. The M6000SE and TE may be mounted on standard production conventional chassis. The M6000TE is also available in a cab-over version (TECO). All available chassis models have a well-deserved reputation as being durable, comfortable machines to own and operate.

The M6000 model sports a number of Schwarze-only innovations designed to increase productivity and reduce downtime.

General		Gutter Brooms	
Wheelbase	SE and TE - 138" (3,505 mm) TECO - 142" 3,606 mm)	Location	Behind Cab
Length	SE and TE 273"(6,934 mm) TECO - 269" (6,833 mm)	Diameter	44" (1,118 mm) Optional 49" (1,245 mm)
Travel Width	96" (2,438mm)	Type	5 segment; plastic, disposable
Sweeping Width	120" (3,408 mm) (brooms extended)	Speed	Variable (optional)
Overall Height	113" (2,870 mm)	Flex	Free-floating with air suspension
GVWR	33,000 lbs. (14,969 kgs)	Drive	Full hydraulic
		Adjustments	In-cab remote for tilt (optional)
		Bristles	26" (660mm) wire
		Center Deflector	Raises and lowers automatically

SCHWARZE M6000 MECHANICAL BROOM

SPECIFICATIONS



This includes our new CANbus Control System. This new control system has allowed Schwarze Industries, Inc. to reduce the number of hydraulic hoses and electrical wiring by over 50%, when compared to our previous design. This new control system provides the operator more visibility as to the operational characteristics of the unit, while also providing on-board diagnostics of the machine for maintenance purposes. While this control system is new to the sweeping industry, this is a field proven system currently in use by many large equipment manufacturers world wide that provide equipment for use in the most extreme conditions.

In addition to its M6000 mechanical broom sweeper models, Schwarze Industries, Inc. also offers a complete line of air sweepers. These range from the 4.3 cu. yd. model A4000, which requires no CDL to operate, 8.4 cu. yd. A7000, 5.8 cu.yd. A8000 high dump, to the 9.6 cu. yd. A9000Schwarze plus the DXR dustless/waterless regenerative air sweeper for use in the most extreme dust conditions when water utilization is limited by weather or application. Schwarze is also America's leading manufacturer of sweepers designed for parking area applications.

#### Rule 1186 AQMD Certified

The Schwarze model M6000 mechanical broom 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.

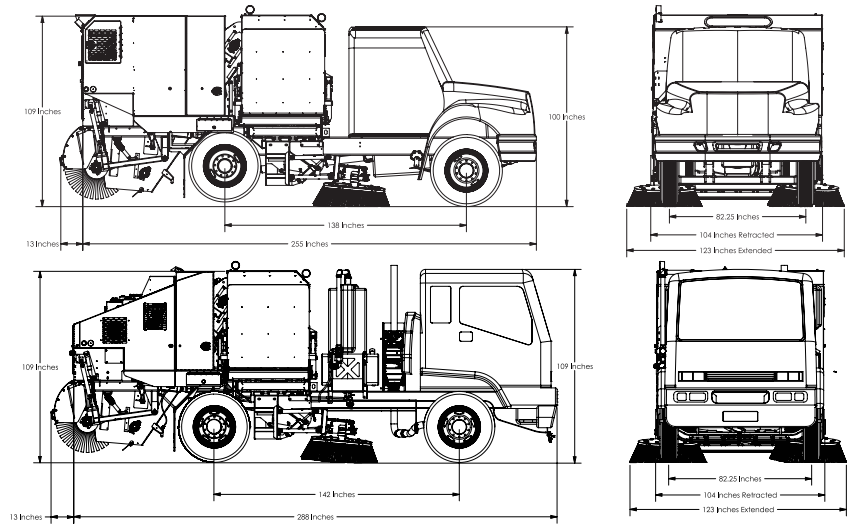
#### Main Broom

Diameter	36" (914mm)
Length	58" (1,473mm)
Bristles	Replaceable
Lift Control	In-cab hydraulic lift
Drive	Chain drive via hydraulic motor
Mounting	Full floating
Speed	Variable (optional)
Bearings	Self-aligning
Dirt Shoes	Carbide; 2" (51 mm) wide
Support	Air Suspension

#### Debris Hopper

Volumetric Capacity	5.0 cu. yds. (3.82 m3)
Lift Capacity	14,000 lbs.(6350 kg)
Dumping	Scissor-lift
Dump Height (Variable)	16" (406 mm) to 138" (3,505 mm)

## SPECIFICATIONS



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

### Conveyor / Elevator

Conveyor	Squeegee with replaceable flights
Conveyor Chain	Precision, heavy duty, constant-radius roller chain
Bearings	Self-aligning, triple-sealed and shielded
Bottom Speed	Bolt-on; replaceable Forward and Reverse (optional variable speed forward)
Flexibility	Flexes for large object passage
Adjustment Drive	3-way positive Hydraulic; forward and reverse
Conveyor / Hopper / Connection	Positive seal to eliminate debris spillage
Suspension	Air cylinders
Lift Control	In-cab hydraulic
Conveyor Jam Warning	Console-mounted (optional)
Cleaning	Built-in flushing system

### Water System

Capacity of Tank	Single engine conventional - 350 gallons (1325L) Twin engine conventional - 200 gallons (1230L) Twin engine cab-over - 350 gallons (1325L)
Construction Filler	Polyethylene 4" (102 mm) air gap fill; tubular protected fill receptacle

Fill Hose	25' with 2.5" NST hydrant coupling (7620mm x 63.5mm)
Mounting Pump Spray Bars	Bolt-on, removable Electric In-cab, independent control; 7 nozzles located across front bumper, 3 nozzles at each gutter broom, and 5 nozzles across the main broom elevator (optional)
Spray Nozzles	Front, gutter broom, pickup broom
Filter	Fine-mesh screen

### Fuel System

Fuel Tank Location	56 gallons (212 L) Rear compartment on SE and TE, side of frame rail on TECO
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### Hydraulic System

Pump	Variable Displacement 35 gallons (133L), mounted above pump
Reservoir	Electric; 120,000 BTU
Oil Cooler	Electro-mechanical; 12-volt DC
Valves	Pressure relief
Protection Controls	In-cab; all electric
Filtration	10-micron

### Electrical System

Voltage	12 volt
Alternator	SE and TE - 160 AMP TECO - 130 AMP
Protection	Re-settable circuit breakers

### Paint

One coat of sealer/primer and two coats of DuPont Imron 5000 polyurethane white color

### Warranty

The Schwarze M6000 sweeper is guaranteed to be free from defects due to faulty materials and/or workmanship for a period of 12 months or 1200 hours.

Liability is limited to replacement of defective parts at factory or authorized dealer. The standard warranty of the chassis or auxiliary engine manufacturer, if so equipped shall apply.

### Sweeper Engine (TE and TECO Only)

Auxiliary for twin engine M6000TE and TECO	
Make Type	Deutz Tier III 4-cylinder in-line diesel
Displacement	221 in <sup>3</sup> (3.62 L)
Stroke	5.0" (125 mm)
Bore	3.8" (96 mm)
Compression Ratio	18 : 1
Horsepower	75HP (56 kw) @ 2600 rpm
Torque	184 ft. lb (250 Nm) @ 1600 rpm

**NOTE:** Specifications are subject to change without notice

## INFINITE POSSIBILITIES

### National Headquarters:

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