

Schwarze GS6

Regenerative Air Sweeper

Versatile
Exceptional durability
Powerful



Model shown with optional equipment.



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Schwarze Industries GS6 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 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 GS6 is a heavy duty, chassis-mounted, regenerative air sweeper with a 7.8 cubic yard hopper. Its basic design has had over 25 years of successful operation around the world. As one of the most powerful air sweepers in existence, the Schwarze GS6 is an ideal choice for use in a wide range of demanding municipal and contractor sweeping applications.

The GS6 blower system generates a high velocity air column over 17,000 CFM that is propelled into the top of the sweeping head through a 14 inch blast tube. The air is first pressurized in the upper chamber of the sweeping head and then expelled into the head's lower chamber through the blast orifice. This high volume air blast loosens the debris



from the pavement surface, then transports it across the width of the sweeping head and lifts it into the containment hopper via a 14 inch suction tube. This highly efficient system ensures that even hard-to reach particles hidden within pavement cracks and irregularities are removed. This includes a significant amount of the

Hydraulic System

Type	Gear type
Pump Capacity	26.1L / min. @1800RPM (6.9 gpm)
Drive	Direct gear
Maximum Pressure	173bar (2500psi)
Reservoir	94 liters (22.5 gallons)
Filter	10 micron, spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

Auxiliary Hydraulic System

Type	Gear type, driven by electric motor
Function	Raise/lower hopper, open/close hopper door, raise brooms and pickup head

SCHWARZE GS6

SPECIFICATIONS



Standard Equipment

- Schwarze-Exclusive Whisper Wheel Fan System
- Noise Reduction Shroud
- 250 Gallon Dust Suppression System
- Sweeps-In-Reverse Sweeping System
- DC Auxiliary Hydraulic Pump
- Hopper Mounted Amber LED Strobe Light with Limb Guard
- High Level LED Brake Light
- 3 Point Automatic Engine Shutdown System
- Washdown System
- Hydrant Wrench
- Fire Extinguisher
- Backup Alarm
- Resettable Circuit Breakers
- Road Flare Kit

'PM-10 fines' known to contain a high percentage of heavy metals and other pollutants.

To assure debris transfer with minimal fugitive dust escapement, belted curtains on the front and rear of the sweeping head contain the circulating air flow. This prevents dirty, debris-laden air from entering into the atmosphere as fugitive dust particles. The Schwarze GS6 picks up more of the micron-sized contaminants that accumulate on roads and streets. Recent studies emphasize the importance of removing these PM-10 'fines' due to the amount of non-point source pollutants that contribute to the stormwater runoff stream. Using the regenerative air Schwarze GS6

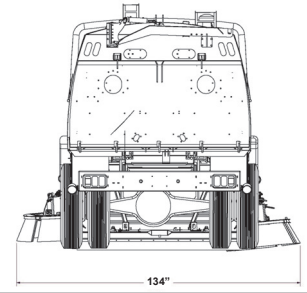
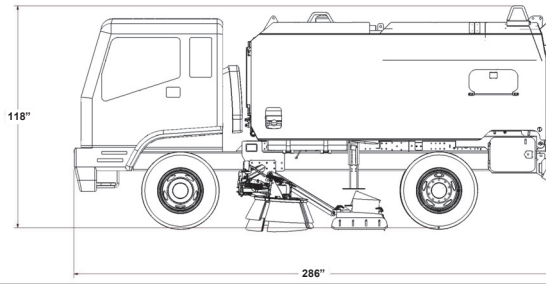
sweeper results in a cleaner surface and a cleaner environment.

The model GS6 has several industry-leading features that position it at the head of its class. These include Schwarze's WhisperWheelSM fan system, which lets Schwarze air sweepers run over 70% quieter and with up to 20% less fuel consumption. The GS6 is also provided with Schwarze industry leading Sweeps-In-ReverseSM, allowing operation in both forward and reverse directions.



Side Brooms	
Type	Vertical steel digger
Location	Right, Left, forward of pickup head
Diameter	990mm (39")
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear Adjustment	Automatic
Pressure	Manual
Speed	Variable In-cab, non-reversing
Segments	4 each side, disposable
Tilt Angle Adjustment	In-cab controls

Debris Hopper	
Volumetric Capacity	6 m ³ (7.8 cubic yards)
Useable Capacity	4.97 m ³ (6.5 cubic yards)
Dump Angle	46 degrees
Floor Angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper Dump Door	Open/close/lock hydraulically
Inspection Doors	1 on each side of hopper
Construction	Welded 11 gauge with 3/16" floor.
Steel Type	3CR12
Safety Prop	Dual steel props located under body



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

Sweeping Path

Pickup Head Only	2,286mm (80")
Pickup Head and one gutter broom	2,972mm (107")
Pickup Head and two gutter brooms	3,658mm (134")

Chassis

Mounts on various chassis to meet requirements

Instrumentation

Sweeper	Tachometer, hourmeter, voltmeter, temperature gauge, oil pressure gauge
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Standard Engine

Model / Type	4JJ1XYBW02 / 4CYL
Aspiration	Turbo-charged diesel
Manufacturer	ISUZU
Displacement	3.0L (275 cu. in.)
Brake Horsepower	127BHP (@ 2500 RPM)
Torque	301LB-FT @2000RPM
Air Cleaner	Donaldson FRG Radial Seal; dry type with dual safety elements and restriction
Oil Filter	Single replaceable, center bolt type paper element,
Stroke	105mm (4.13")
Bore	95mm (3.75")
Compression Ratio	17.5 to 1
Safety Shutdown	Three-point automatic
Throttle Control	Electronic

Electrical System

Voltage	12 Volt or 24 Volt
Sweeper Engine Alternator	110 Amperes

Dust Control System

Type	High Pressure / Low volume
Capacity	946 Liter (250 Gallon)
Tank Construction	Polyethylene
Filter	200 mesh, cleanable
Fill Diameter	63.5mm (2.5")
Fill Hose	7620mm (25 foot)
Controls	Electric; in-cab
Nozzles	2 on each broom 4 around suction head 1 inside suction nozzle 7 on hopper spray bar (optional)

Blower System

Type	Closed-face radial
Drive	Direct via 5 groove, banded power belt
Construction	Hardox Steel
Balance	1.5 grams on 2 sides
Dimensions	832mm x 184mm (32.75" x 5")
Housing Lining	Bolt-in corded rubber
Mounting	Double Sealed Bearing Spindle
Vacuum Enhancer	For heavy / light material

Pickup Head

Type	Dual chambered full-width blast orifice
Operating Direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	2,286mm (80")
Pressure Hose Diameter	355.6mm (14")
Suction Hose Diameter	355.6 mm (14")
Hose Construction	9mm (3/8") wire-reinforced molded rubber
Head Area	12,903 cm ² (2,000 sq. in.)
Front Flap	Hydraulic open and close

Pickup Head cont.

Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions

Paint

One coat of sealer / primer and two coats of Dupont Imron 5000 polyurethane in standard white color

Optional Equipment

Single or Dual Gutter Brooms 99.06cm (39")
 In-Cab Tilt Control for Gutter Brooms
 Gutter Broom Extension OverrideSM (GEOSM) System
 Single or Twin Remote Cameras with In-Cab Video Monitor
 Dual Steering
 Cab-Mounted Barlight Beacon
 Safety Beacon with Limb Guard
 Spray Bar for Front Bumper and Hopper
 Hopper Drain System
 20.32cm (8") Auxiliary Hand Hose
 Magnet Bar
 Spare Tire and Wheel
 Special Paint for Sweeper and Chassis
 Hydraulic Hand Hose
 Other Options Available

Warranty

The GS6 regenerative air 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 warranties of the chassis and sweeper engine manufacturer shall apply.

NOTE: Specifications are subject to change without notice

INFINITE POSSIBILITIES

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