



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	90" (2,286mm)
Pickup Head and one gutter broom	117" (2,972mm)
Pickup Head and two gutter brooms	144" (3,658mm)
Chassis	
Mounts on various chassis to meet requirements	
Sweeper Body	
Construction	Welded 10-gauge steel plate with 3/16 steel hopper floor
Safety Prop	Dual steel bars located under body
Instrumentation	
Sweeper Engine	Tachometer, hourmeter, voltmeter, temperature gauge, oil pressure gauge
Standard Engine	
Model / Type	Tier III 4045T In line cylinder
Aspiration	Turbo-charged diesel
Manufacturer	John Deere
Displacement	275 cu. in. (4.5L)
Brake Horsepower	115HP (86KW) @ 2400 RPM
Torque	317ft-lb (430Nm) @1500RPM
Air Cleaner	Sy Klone centrifugal precleaner; dry type with dual safety elements and restriction indicator
Oil Filter	Full-flow / Spin on
Stroke	5.00" (127mm)
Bore	4.20" (106mm)
Compression Ratio	19.0 to 1
Safety Shutdown	Three-point automatic
Throttle Control	Electronic
Electrical System	
Voltage	12 Volt
Sweeper Engine Alternator	65 Amperes
Dust Control System	
Type	High Pressure / Low volume
Capacity	250 Gallon (946 L) (600 gallon on cab-over chassis)
Tank Construction	Polyethylene
Filter	200 mesh, cleanable
Fill Diameter	2.5" (63.5mm)
Fill Hose	25 foot (7620mm)
Controls	Electric; in-cab
Nozzles	2 on each broom 5 around suction head 2 inside suction nozzle 2 on front axle 2 inside hopper
Blower System	
Type	Closed-face radial
Drive	Direct via 5 groove, banded power belt
Construction	Hardox Steel
Balance	1.5 grams on 2 sides
Diameter	32.75" (832mm)
Housing Lining	Bolt-in corded rubber
Mounting	2 regreaseable sealed bearings
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	90" (2,286mm)
Pressure Hose Diameter	14" (355.6mm)
Suction Hose Diameter	14" (355.6mm)
Hose Construction	3/8" (9.5mm) wire-reinforced molded rubber
Head Area	3,240 sq. in. (20,903cm ²)

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	
Patented* Mechani-Pneumatic Powerhood SM (Broom Assist Head)	
Single or Dual Gutter Brooms	
In-Cab Tilt Control for Gutter Brooms	
Gutter Broom Extension Override SM (GEO SM) System	
Single or Twin Remote Cameras with In-Cab Video Monitor	
Dual Steering	
Sound Suppression System	
Cab-Mounted Barlight Beacon	
Safety Beacon with Limb Guard	
Spray Bar for Front Bumper, Hopper	
Hopper Deluge SM (Hopper Washdown System)	
Extra 220-or 350-Gallon Polyethylene Water Tank (Cabovert only)	
Hopper Drain System	
8" Auxiliary Hand Hose	
4 Point Protection SM (Stainless Steel Hopper Package)	
Magnet Bar	
Spare Tire and Wheel	
Special Paint for Sweeper and Chassis	
Hydraulic or Spring System for Hand Hose	
Other Options Available	
Warranty	
The A7000 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	

SCHWARZE A7000

Regenerative Air Sweeper

Versatile
Exceptional Durability
Powerful



INFINITE POSSIBILITIES

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Versatile
Exceptional Durability
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SCHWARZE INDUSTRIES A7000 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 A7000 is a heavy duty, chassis-mounted, regenerative air sweeper with an 8.4 cubic yard hopper. Its basic design has had over 20 years of successful operation throughout the United States and around the world. As one of the largest, most powerful air sweepers in existence, the Schwarze A7000 is an ideal choice for use in a wide range of demanding municipal and contractor sweeping applications.

The A7000 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 'PM-10 fines' known to contain a high percentage of heavy metals and other pollutants. That's why the A7000 has been certified as 'Rule 1186 Compliant' by the South Coast Air Quality Management District, one of southern California's leading state environmental agencies.



Standard Equipment

- Schwarze-Exclusive WhisperWheelSM Fan System
- Noise Reduction Shroud
- Sweeps-In-ReverseSM Sweeping System
- DC Auxiliary Hydraulic Pump
- Hopper-Mounted Amber Strobe Light with Limb Guard
- High Level Brake Light
- Amber Flashing Warning Lights
- Rear Flood Lights
- 3 Point Automatic Auxiliary Engine Shutdown System
- Washdown System
- Hydrant Wrench
- Fire Extinguisher
- Backup Alarm
- Resettable Circuit Breakers
- Road Flare Kit

To assure debris transfer with minimal fugitive dust escapement, double-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 A7000 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 America's stormwater runoff stream. Using the regenerative air Schwarze A7000 sweeper results in a cleaner surface and a cleaner environment.

The model A7000 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 less fuel consumption. The A7000 is also available with the patented Mechani-Pneumatic Broom Assist Sweeping HeadSM and Schwarze Sweeps-In-ReverseSM, allowing operation in both forward and reverse directions.

Rule 1186 AQMD Certified

The Schwarze model A7000 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.

Hydraulic System		Auxiliary Hydraulic System		Side Brooms		Debris Hopper	
Type	Dual output 2 section	Type	Gear type, driven by electric motor	Type	Vertical steel digger	Volumetric Capacity	8.4 cubic yards (6.4 cu. meters)
Pump Capacity	6.5 gpm @1800RPM (24.6L / min.) per section for 13.0gpm total	Function	Raise/lower hopper, open/close hopper door, raise brooms and pickup head	Location	Right, Left, forward of pickup head	Useable Capacity	7.0 cubic yards (5.4 cu. meters)
Drive	Direct gear			Diameter	44" (1117.60 mm)	Dump Angle	53 degrees
Maximum Pressure	2500psi (173 bar)			Drive	Hydraulic	Floor Angle	3 degrees
Reservoir	25 gallons (94 liters)			Suspension	Torque-sensing spring	Lifting	Twin hydraulic cylinders
Filter	10 micron, spin on			Wear Adjustment	Automatic	Hopper Dump Door	Open/close/lock hydraulically
Protection	Pressure relief valve			Pressure	Manual	Inspection Doors	1 on each side of hopper
Controls	Electro-hydraulic			Speed	Variable, non-reversing		
				Segments	5 each side, disposable		
				Tilt Angle Adjustment	Manual with optional in-cab controls		

SCHWARZE A7000

SPECIFICATIONS

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