

# SCHWARZE INDUSTRIES A4000 SWEEPER

Easy To Maneuver  
Highly Efficient  
No CDL Required

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 A4000 is a heavy duty, cabover chassis-mounted, regenerative air sweeper with a 4.3 cubic yard hopper. Its basic design has had over 35 years of successful operation throughout the United States and around the world. As one of the most powerful air sweepers in existence, the Schwarze A4000 is an ideal choice for use in a wide range of demanding municipal and contractor sweeping applications.

The A4000 blower system generates a high velocity air column that is propelled into the top of the sweeping head through a 12-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 12-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 A4000 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 WhisperWheel<sup>SM</sup> Fan System
- Sweeps-In-Reverse<sup>SM</sup> Backup Sweeping Ability
- High Level Brake Light
- 3-Point Automatic Auxiliary Engine Shutdown System
- Fire Extinguisher
- Backup Alarm
- Resettable Circuit Breakers
- Road Flare Kit
- Hydraulic Dump Door
- Twin Rear Tool Boxes

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 A4000 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 A4000 sweeper results in a cleaner surface and a cleaner environment.

The model A4000 has several industry-leading features that position it at the head of its class. These include Schwarze's WhisperWheel<sup>SM</sup> fan system, which lets Schwarze air sweepers run over 70% quieter and with less fuel consumption. The A4000 is also available with the Gutter Broom Extensions Override System<sup>SM</sup> and Schwarze Sweeps-In-Reverse<sup>SM</sup>, allowing operation in both forward and reverse directions.

## Rule 1186 AQMD Certified

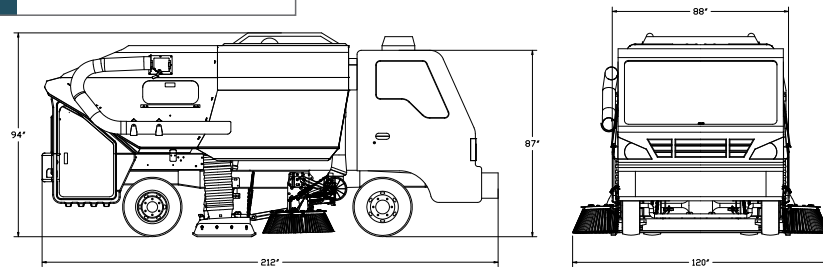
The Schwarze model A4000 sweeper has been designated by the South Coast Air Quality Management District as Rule 1186 Certified for its ability to pick up and contain small-micron material.

Hydraulic System		Electrical System		Side Brooms		Debris Hopper	
Type	Fixed displacement gear	Voltage	12 volt	Type	Vertical steel digger	Volumetric Capacity	4.3 cubic yards (3.3 cu. meters)
Drive	Direct gear	Battery	2@750 CCA each	Location	Right, Left, forward of pickup head	Construction	10 gauge
Maximum Pressure	2500psi (173bar)	Sweeper Engine Alternator	80 Amp	Diameter	39" (991 mm)	Type of Dumping	Hydraulic
Reservoir	16 gallons (60.6 L)	Circuit Breakers	Resettable type	Drive	Hydraulic torque motor	Inspection Doors	1 on each side of hopper
Filter	10 micron, spin on			Wear Adjustment	Automatic	Type and Location of Controls	Electric; in cab
Protection	Pressure relief valve			Pressure	Manual	Dumping Height	67" (1701 mm)
Controls	Electro-hydraulic			Speed	Variable, non-reversing	Dumping Tilt Angle	88 degrees
Strainer	80 mesh			Segments	4 each side, disposable; tempered steel wire filled	Interior Coating	Durable coating
				Tilt Angle Adjustment	Manual with optional in-cab controls	Exterior Coating	Sealer/Primer; Polyurethane

SCHWARZE A4000

SPECIFICATIONS

SPECIFICATIONS CONTINUED ON BACK



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	80" (2032 mm)
Pickup Head and one gutter broom	100" (2540 mm)
Pickup Head and two gutter brooms	120" (3048 mm)

**Standard Engine**

Model / Type	Tier III 804D-22T / 4 cycle
Aspiration	Turbo-charged diesel
Manufacturer	Perkins
Displacement	2999cm (183 cu.in.)
Brake Horsepower	80.5 @ 2600 RPM
Cooling System	Liquid-cooled
Air Cleaner	Dual element, dry-type with restriction indicator and Sy-Clone centrifugal pre-cleaner
Oil Filter	Full-flow / Spin on
Safety Shutdown	Three-point automatic
Throttle Control	Manual
Instrumentation	Tachometer, hourmeter, voltmeter, temperature gauge, oil pressure gauge

**Blower System**

Type	Closed-face radial
Drive	Direct via 3V 5 groove, banded power belt
Construction	Hardox Steel
Balance	1.5 grams on 2 sides
Diameter	30" (762 mm)
Housing Lining	Bolt-in corded rubber
Mounting	2 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	80" (2,032mm)

**Pickup Head cont.**

Pressure Hose Diameter	12" (305mm)
Suction Hose Diameter	12" (305mm)
Hose Construction	3/8" (9.5mm) wire-reinforced molded rubber
Head Area	2080 sq. in. (13,419mm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Steel

**Dust Control System**

Type	High Pressure / Low volume
Capacity	130 Gallon (492.1 L)
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 4 around suction head 4 inside hopper

**Chassis**

Model / Type	4HE1-TC / 4 cycle
Manufacturer	Isuzu
Number of Cylinders	4
Displacement	290 cu.in. (4.75L)
Bore	4.02" (102.1mm)
Stroke	4.65" (118.11mm)
Fuel	Diesel
Oil Filter	Full flow; spin-on
Air Filter	Dry type; heavy duty
Standard GVWR	14,500 (6,577 kgs)
Optional GVWR	17,950 (8,142 kgs)

**Tire and Wheels**

Type	(6) Tubeless steel-belted radials
Tire Size	235/85 R 16
Wheels	One price steel construction

**Transmission**

Type	450-LE; 4 speed automatic
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**Brakes**

Service	Hydraulic with vacuum booster
Exhaust Brake	Vacuum operated
Parking	Mechanical expanding drum

**Steering**

Type	Integral power
Ratio	20.9-to-1

**Cab**

Type	Cabover engine design
Engine Access	45 degree tilt
Construction	Steel
Color	White

**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
- In-Cab Tilt Control for Gutter Brooms
- Gutter Broom Extension Override<sup>SM</sup> (GEO<sup>SM</sup>) System
- Twin Remote Cameras With In-Cab Video Monitor
- 12 Volt DC Auxiliary Hydraulic Pump
- HushKit<sup>SM</sup> Noise Suppression Shroud
- Cab-Mounted Barlight Beacon
- Safety Beacon With Limb Guard
- Dust Suppression and Washdown System
- Additional Spray Bar for Front Bumper
- Additional Spray Bar for Hopper
- Front Bumper-Mounted Magnet Bar
- 5" Auxiliary Hand Hose
- Spare Tire and Wheel
- Spare Parts Package
- Four Point Protection<sup>SM</sup> (Stainless Steel Hopper Package)
- Special Paint for Sweeper and Chassis
- Other Options Available

**Warranty**

The A4000 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 A4000

## Regenerative Air Sweeper

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Highly Efficient  
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Model shown with optional equipment.

## INFINITE POSSIBILITIES

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