

# Garwood International



## Schwarze A4 Storm™

*3,6 Cubic Metre Regenerative Air Sweeper*

\*Sweeper shown with optional equipment

- 3048mm Sweeping Width
- Mirror Image Dual Steer & Dual Sweep
- 1956mm Dump Height
- 750 Litre Dust Suppression System

				
Quality	Performance	Public Safety	Value	Customer Support

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# Schwarze A4 Storm™

3,6 Cubic Metre Regenerative Air Sweeper



MADE IN THE USA

\*Optional Equipment Shown.

Equipped with



SCHWARZE  
**WHISPER  
WHEEL<sup>SM</sup>**  
TECHNOLOGY

Redesigned high performance sweeping head

The A4 Storm is a chassis mounted, regenerative air street sweeper and a real heavy duty workhorse that will provide a high quality option with a low cost of ownership. It also includes Schwarze's WhisperWheel<sup>SM</sup> fan system, which runs over 70% quieter and with up to 20% less fuel consumption.

The A4 incorporates a low pressure, low volume water spray system with water held in a removable UV resistant polyethylene tank. As the regenerative air system raised much less dust than sweepers fitted with main brooms, less water is required for dust control.

Water spray is controlled to the gutter brooms, pavement surface and to the collection head and intake tubes by electric controls in the cab.

Will clean towns with up to 50,000 people with one sweep

Easy to use color coded switches with Onboard Diagnostics



## MUST HAVE OPTIONS

### ADD BROOM FUNCTIONALITY

Add broom tipping and Gutterbroom Extension Override (GEO<sup>SM</sup>)

### EXTEND YOUR REACH

Add a hand hose for hard to get to reach applications

### WATER WORKS

Front Bumper Spray Bar (includes detergent dispenser)

### PROTECT YOUR TRUCK FROM DEBRIS

Add a Magnet Bar



## VALUE

Schwarze is dedicated to satisfying our customers by providing the most advanced training for their specific needs. Its training programs are designed to help operators of all skill levels learn the best operating practices for their Schwarze equipment.



## PERFORMANCE

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology, but doesn't always have to be. Some of Schwarze's best ideas have been simple, based on a clear and deep understanding of our customers' working lives.



## QUALITY

In a Schwarze product, end user concerns like fuel efficiency, serviceability, durability, purchase cost, service cost, etc. are all taken into account. They also consider the needs and strive for ease of use and application optimization. It should be obvious, because when it comes to cost of ownership, quality pays.



## PUBLIC SAFETY

No other name speaks safety louder than Schwarze. Protecting operators, those around them, and minimizing our environmental impact are traditional values that continue to shape their product design philosophy.



## CUSTOMER SUPPORT

Being a Schwarze customer means having a complete set of services at your fingertips. Schwarze can offer you a long-term relationship, protect your revenue and provide a full range of customer solutions, delivered by passionate people. At Schwarze, they don't see effective service and support just as an added value to your purchase, but as an integral part of it.



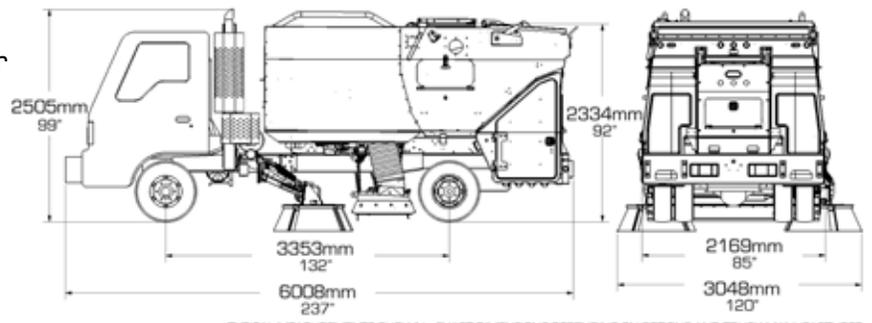
Also Available from Schwarze Industries, Inc:



1. LOW COST OF OWNERSHIP - Fewer moving parts resulting in lower cost of operation.
2. VALUE - Larger capacity and larger sweeping path
3. POWERFUL - Cleaner sweep. Often only requiring one pass.
4. Longer life expectancy - Low maintenance, easier and less expensive to repair.
5. PERFORMANCE - Better at sweeping leaves
6. ENVIRONMENTALLY FRIENDLY - Pick up and retain PM-10 (small-micron) particles preventing them from entering the stormwater runoff pollution stream.
7. BETTER DUST CONTROL - Less emission of fugitive dust.
8. VERSATILITY - Can sweep a wide range of material, from leaves to gravel
9. PUBLIC SAFETY - Backup alarms to alerts pedestrians and vehicles of reverse motion
10. CUSTOMER SUPPORT - Excellent customer service and customer care before and after your purchase.

# Schwarze A4 Storm™

## 3,6 Cubic Metre Regenerative Air Sweeper



\*TYPICAL MEASUREMENTS SHOWN, EXACT DIMENSIONS DEPENDING ON OPTIONS AND TRUCK MANUFACTURER

### SWEEPING PATH

Pickup head only	2032 mm (80 in)
Pickup head and one gutter broom	2540 mm (100 in)
Pickup head and two gutter brooms	3048 mm (120 in)

### DEBRIS HOPPER

Volumetric Capacity	3,6 cu m (4.8 cu y)
Construction	10 gauge
Type of Dumping	Hydraulic
Inspection Doors	1 on each side of hopper
Controls	Electric; in cab
Dumping Height	1956 mm (77 in)
Dumping Tilt Angle	88 degrees
Interior Coating	Durable coating
Exterior Coating	Sealer/primer; Polyurethane

### CHASSIS

Model / type	4HK1-TC / 4 cycle
Manufacturer	Isumu
Number of Cylinders	4
Displacement	5,26 L (317 cu in)
Horsepower	215 @ 2500 rpm
Torque	452 lb-ft @ 1800 rpm
Fuel	Diesel
Air filter	Dry type; heavy duty
Standard GVWR	6577 kg (14500 lb)
Optional GVWR	8142 kg (17950 lb)
Transmission	A465; 6 speed automatic
Tires	(6) Tubeless steel-belted radials 225/70 R 19.5
Wheels	Steel construction
Steering	Integral power;
Brake	Vacuum/hydraulics with ABS

### STANDARD ENGINE

Type	4TNV98
	diesel Tier 4
Optional emissions	Tier 4i
Manufacturer	Yanmar
Displacement	3,3 L (202 cu in)
Brake horsepower	68 @ 2500 rpm
Cooling system	Liquid-cooled
Air cleaner	Dual element, dry-type with restriction indicator; centrifugal pre-cleaner
Safety shutdown	Three-point automatic
Throttle control	Electronic
Instrumentation	Digital display Tachometer; hourmeter; voltmeter; temperature; oil pressure.
Control console	Tilting and rotating

### DUST CONTROL SYSTEM

Type	Electric diaphragm, run dry capable
Capacity	750 L (197 gal)
Tank construction	Polyethylene
Filter	50 mesh, cleanable
Fill diameter	63,5 mm (2.5 in)
Fill hose	7620 mm (25 ft)
Controls	Electric; in-cab
Nozzles	2 on each broom; 4 around suction head; 4 inside hopper

### 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	762 mm (30 in)
Housing lining	Bolt-in corded rubber
Mounting	2 sealed bearings
Vacuum enhancer	For heavy/light material

### PICKUP HEAD

Type	Dual chambered full-width Adjustable blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	2032 mm (80 in)
Hoses Diameter	9305 mm (12 in)
Hose Construction	9,5 mm (3/8 in) wire-reinforced molded rubber with quick disconnect clamps
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Bolt in replaceable steel transitions.

### HYDRAULIC SYSTEM

Type	Fixed displacement gear
Drive	Direct gear
Maximum pressure	173 bar (2500 psi)
Reservoir	60,6 L (16 gal)
Filter	10 micron, spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic
Filter	80 mesh

### SIDE BROOMS

Type	Vertical steel digger
Location	Right, Left, forward of pickup head
Diameter	991 mm (39 in)
Drive	Hydraulic torque motor
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable, non-reversing
Segments	4 each side, disposable; tempered steel wire filled
Tilt adjustment	Manual with optional in-cab controls

### ELECTRICAL SYSTEM

Voltage	12 volt
Battery	2 @ 750 cca each
Alternator	80 amp
Circuit breakers	Resettable type

### PAINT

One coat of sealer/primer and two coats of Dupont imron elite polyurethane in standard white color

Note: Design and specifications subject to change without notice.



The People You Know. The Products You Trust.

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