



**SCHWARZE**  
INDUSTRIES



# Schwarze Hypervac™

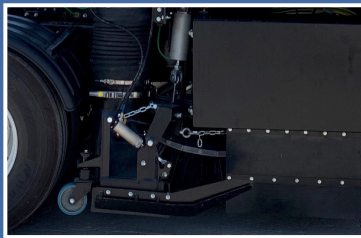
*Multi-Purpose Road Sweeper*

\*Sweepers shown with optional equipment

## NON-STRUCTURAL BEST MANAGEMENT PRACTICES:



**WIDE CENTRE SWEEP  
MATERIAL TRANSFER SYSTEM**



**STATIC NOZZLES WITH LARGE  
12" SUCTION TUBES**



**POWERFUL 172 BAR HIGH  
PRESSURE WASH OPTION**



**EASE OF USE SWEEPER SENSE™  
ONE BUTTON PUSH & SWEEP**

Your Schwarze Dealer.

Street sweeping is a best management practice (BMP) that can serve the entire community. With catch basin cleaner equipped you can go to work immediately after purchase as opposed to structural BMPs like storm ponds that only serve a dedicated area and require engineering and construction. This makes sweeping the most cost effective BMP per impervious acre treated.



MADE IN THE USA

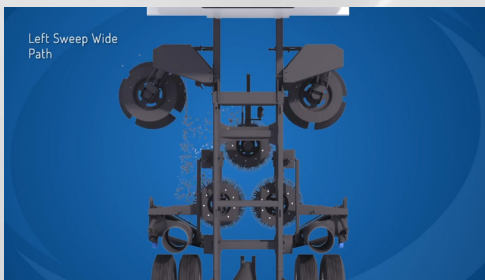


The Schwarze Hypervac takes full vacuum street sweeping to a whole new level with its exclusive Surface Scrubbing Technology. Three disk type brooms replace the traditional belly broom to provide extraordinary surface cleaning while eliminating the expensive effect of broom coning and transfer broom carry-over. At a mere 3 metre overall height, the Hypervac operates below tree canopies yet exceeds the capacities of all others in its class with a 134 HP auxiliary engine, an 6.4 cubic metre hopper, 99 centimetre digger type side brooms, and up to 2271 litres water capacity.

## Dual Nozzle Technology

The Schwarze Hypervac has dual nozzles as standard equipment to allow following traffic direction on both street directions with in-cab adjustable, timed "leaf and litter door".

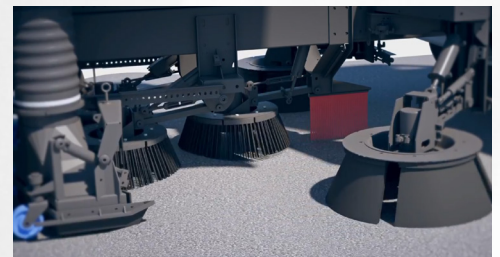
## Surface Scrubbing Technology



Both side brooms do double duty on the Schwarze Hypervac. When in left side sweep, the left side broom acts as a traditional gutter broom for cleaning the curb and gutter and moving the material to in front of the nozzle. The right side remains tucked in and becomes an under chassis transfer and scrubbing broom. In right side sweep, the roles of the side brooms reverse and the right side broom becomes a gutter broom and left side broom becomes a transfer scrubbing broom. The broom tilt and position is automatically controlled from cab simply by selecting right or left sweep.

## Less Maintenance and Less Downtime

The centre digger broom formation allows complete surface contour following regardless of crown. The Hypervac does not suffer from broom coning or lack of transfer on high crown roads. The contour following is automatic and no adjustment is needed. This means significantly longer wearing than a small tube wide sweep broom.

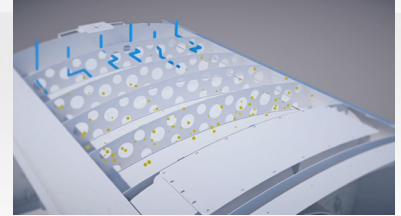
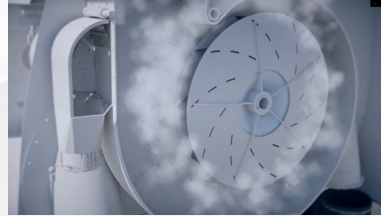


# Schwarze Hypervac Multi-Purpose Road Sweeper



## Cleaner Air

The unique dust separator on the Hypervac combines inertial and centrifugal dust separation. Dust laden air is forced into a 90 degree turn, where heavier particles continue in a straight line and are captured in the lower collection area. The air is then forced around the radial velocity fan inlet where additional centrifugal separation takes place. The result is significantly cleaner air entering the fan inlet.



## One Button Operation

Schwarze has integrated their industry leading Schwarze "Sweeper Sense™" Controls into the Hypervac control system. This system allows the operator to have six pre-set settings that can be saved for applications or operator preference. Current factory default settings include right or left sweep light debris, right or left sweep heavy debris and dual sweep light or heavy debris. These various settings activate the suction nozzles, engine RPM, water system, transfer brooms, lights, and water all with the touch of one button. Plus, all sweeper information is visible on a large LCD screen in the chassis cab. The operator sees what features of the machine are being utilized as well as broom pressures, speeds and water usage for dust control.



## Sweep Bulky Material with Ease

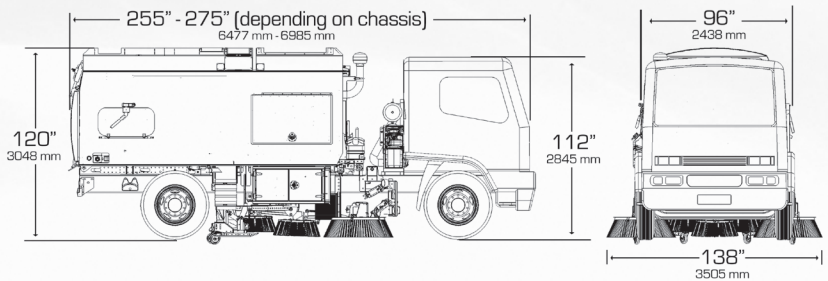


The leaf and litter door allows entry of bulky materials without losing the nozzle seal and dropping material. This design allows passage of larger and more bulky debris than other sweepers.

For More Information Visit  
[WWW.SCHWARZE.COM/HYPERVAC](http://WWW.SCHWARZE.COM/HYPERVAC)



Also Available from Schwarze Industries, Inc:



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

### SWEEPING PATH

Suction nozzle only	28 in. (813 mm)
Suction nozzle, transfer brooms and one side broom	108 in. (2743 mm)
Dual suction nozzles, dual side brooms and transfer brooms	138 in. (3505 mm)

### CHASSIS

Mounts on various chassis to meet requirements

### SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Dual steel bars under body

### INSTRUMENTATION

Auxiliary engine	Flat panel display; tachometer; hourmeter; voltmeter; temperature gauge; oil pressure gauge; warning icons
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### AUXILIARY ENGINE

Model/type	4045T in-line 4 cylinder
Aspiration	Final Tier 4/Stage V (EPA/EU) turbo-charged diesel
Manufacturer	John Deere
Displacement	275cu in (4.5 L) Brake
horsepower	134hp (100 kW) @ 2400 rpm
Torque	398ft lb (540 Nm) @1600 rpm
Air cleaner	Centrifugal precleaner; dry type with safety element and restriction indicator
Oil filter	Full-flow/spin-on
Stroke	5 in (127 mm)
Bore	4.20 in (106 mm)
Compression ratio	19 to 1
Safety shutdown	Three-point automatic
Throttle control	Electronic

### ELECTRICAL SYSTEM

Voltage	12 V
Sweeper engine alternator	90 amp

### DUST SUPPRESSION SYSTEM

Type	Dual positive displacement diaphragms
Capacity	380 gal (1438 L)
Tank construction	Polyethylene
Filter	50 mesh; cleanable
Fill diameter	2.5 in (63.5 mm)
Fill hose	25 ft (7620 mm)
Controls	Electric; in-cab
Water level gauge	In-cab

### FAN SYSTEM

Type	Closed-face radial
Drive	Direct via 5 groove; banded power belt
Construction	Hardox steel
Balance	1.5 g on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreaseable sealed bearings

### SUCTION NOZZLES

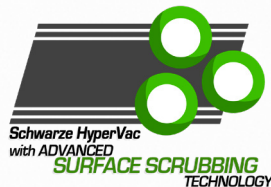
Type	Tw bar
Operating direction	Forward with lift in reverse
Suspension	Caster wheel
Nozzle area	250 sq in (2032 mm)
Suction hose diameter	12" (305 mm)
Hose construction	Wire-reinforced, 3/8" (9.5mm) thick molded rubber
Reach	8" (200mm) beyond tire
Leaf/litter door	Pneumatic with adjustable timer
Controls	Pneumatic raise and lower
Construction	Abrasion-resistant steel with corded rubber seal flaps.

### SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	39" (990 mm) or 44" (1118 mm)
Drive	Hydraulic
Suspension	Air float
Wear adjustment	Automatic
Pressure	In-cab pneumatic adjustable
Speed	Variable; non-reversing
Segments	4 per side; disposable
Tilt angle adjustment	In-cab controls

### TRANSFER SCRUBBING BROOMS

Type	Vertical Steel digger
Quantity	3
Size	28"
Drive	Hydraulic
Suspension	Air float
Wear adjustment	Automatic
Lift	Air cylinder



### DEBRIS HOPPER

Volumetric capacity	8.4 cu yd (6.4 cu m)
Usable capacity	7.0 cu yd (5.4 cu m)
Dump angle	46 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	Hydraulic open, close, lock
Inspection doors	1 on each side
Hopper Dump height	45 in (1143 mm)
Debris screens	Drop down for cleaning



### HYDRAULIC SYSTEM

Type	Variable displacement
Pump capacity	34 gpm 129 lpm @ 2200 rpm
Drive	Belt
Maximum pressure	2750 psi (190 bar)
Reservoir	42 gal (158 L)
Filter	10 micron; in-tank pressure relief valve
Controls	Electro-hydraulic

### AUXILIARY HYDRAULIC SYSTEM

Type	Gear type; driven by 12v electric motor
Function	Lower hopper; open/close hopper door; raise brooms & pickup head

### PAINT

One coat of sealer/primer and two coats of in standard white color.	
Paint	White; Sherwin Williams Genesis G2 #100268977

### WARRANTY

All schwarze sweepers come with a standard one-year / 1200 hours parts & labor warranty with extended warranty options that provide the same warranty coverage as the standard warranty but extends the coverage from 2 up to 5 years.

*Note: Specifications are subject to change without notice.*



Awarded Contract

Contract # 093021-SWZ



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