



Keep Operations Running



HYPERVAC PURE VACUUM SWEEPER

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PURE VACUUM SWEEPER

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, providing extraordinary surface cleaning, while eliminating the expensive effect of broom coning and transfer broom carry-over.

At 3 meters high, the Schwarze Hypervac exceeds the performance of all others in its class, while still operating below tree canopies.

Variant	Schwarze Hypervac – pure vacuum sweeper
Chassis	Hino FG 1628 4x2 dual control Alison auto Isuzu FSR 140-260 4x2 dual control Alison auto
Debris hopper	6.4m ³ usable capacity 5.4m ³
Material	3.4mm stainless steel plate
Aux. engine	John Deere 4045T in-line 4-cyl 134hp (100kw)

Sweeping path	
Dual suction nozzles, dual side brooms and transfer brooms	3,505mm
Suction nozzle, transfer brooms and one side broom	2,743mm
Suction nozzle only	813mm

Instrumentation	
Auxiliary engine	Flat panel display

Fan system	
Type	Closed face radial fan
Performance	28,880m ³ /hr (17,000cfm)
Construction	Hardox steel
Drive	Direct via 5-groove banded power belt

Dust suppression system	
Water pump type	Dual positive displacement diaphragms
Water tank size	1,438 litres
Tank material	Polyethylene
Controls	Electric in cabin

Suction nozzles	
Operating direction	Forward with lift in reverse
Suspension	Caster wheel
Nozzle area	2,032mm
Suction hose dia	305mm
Hose construction	Wire-reinforced, 9.5mm, thick molded rubber
Reach	200mm beyond tyre
Leaf and litter	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 and left; forward of pickup head
Diameter	1,118mm
Drive	Hydraulic
Suspension	Air float
Wear adjustment	Automatic

Pressure	In-cab pneumatic adjustable
Speed	Variable; non-reversing
Segments	5 Per side; disposable
Tilt angle adjustment	In-cab controls
Transfer scrubbing brooms	
Type	3 x vertical steel digger
Quantity	3
Size	711mm
Drive	Hydraulic
Suspension	Air float wear adjustment automatic
Lift	Air cylinder

Electrical system	
Sweeper aux. engine	24 V
Aux. engine alternator	90 amp

Hydraulics system	
Drive	Belt
Reservoir	158 litres
Controls	Electro-hydraulic

Aux hydraulics system	
Gear type	Driven by 24V electric motor
Function	Raise/lower hopper; open/close hopper door; raise brooms and pickup head

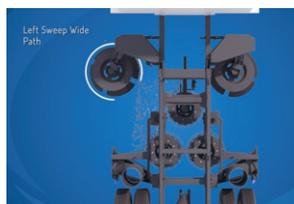
Paint	
One coat of sealer/primer and two coats of Imron® Elite polyurethane in standard white color	

DUAL NOZZLE TECHNOLOGY

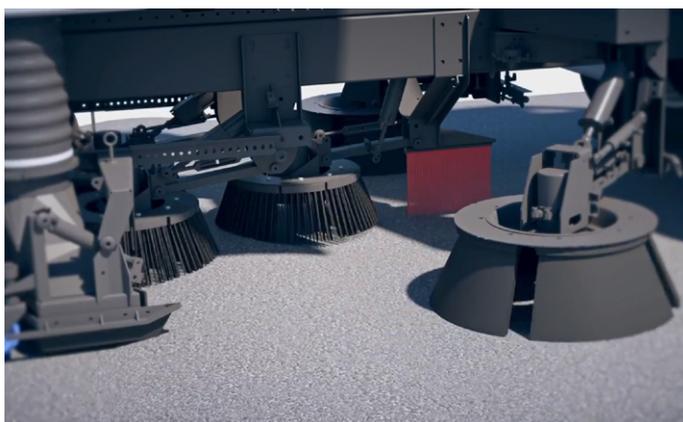
The Schwarze Hypervac has dual nozzles as standard, allowing street traffic to flow in both directions with in-cab adjustable and timed 'leaf and litter door'.

SURFACE SCRUBBING TECHNOLOGY

Both side brooms do double duty on the Schwarze Hypervac. When in right 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.

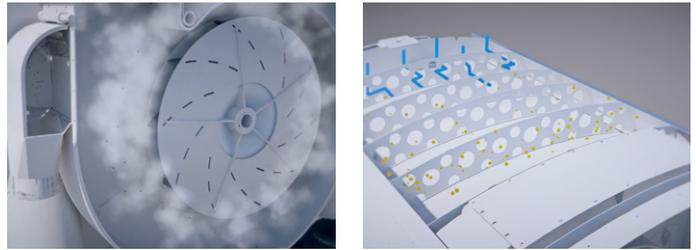


LESS MAINTENANCE AND LESS DOWNTIME



The centre digger broom formation allows complete surface contour following regardless of crown. The Schwarze 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.

CLEANER AIR



The unique dust separator on the Schwarze 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

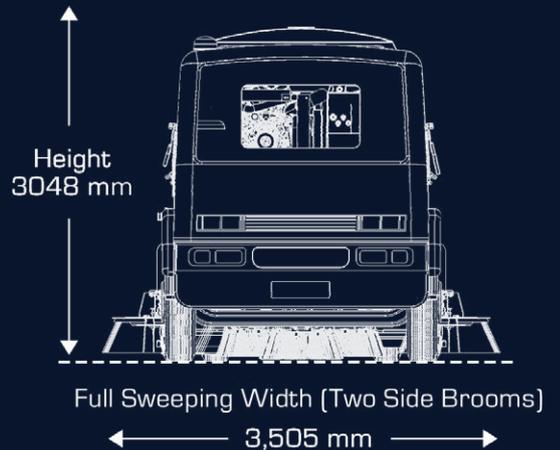
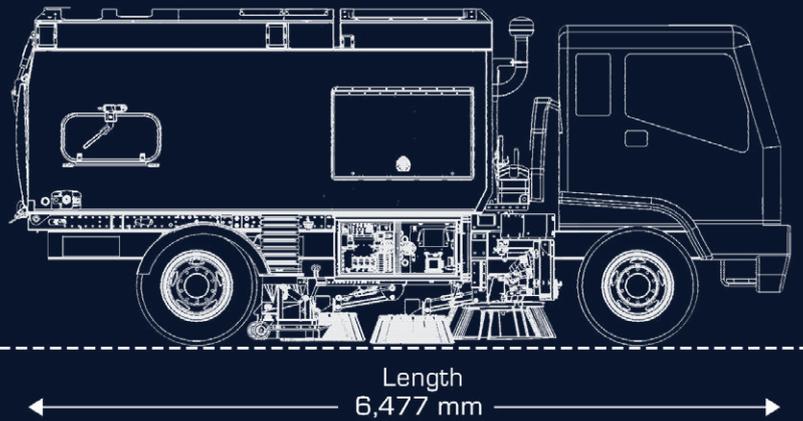


Schwarze has integrated their industry leading Schwarze 'Sweeper Sense™' Controls into the Schwarze Hypervac control system. This system allows the operator to have six pre-set settings that can be saved for applications or operator preference, covering every function all with the touch of one button. 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.



The Schwarze Hypervac has changed the vacuum sweeper industry to expect a new level of clean and performance. 1,100mm side brooms with a central array of vertical digger brooms channelling product to the largest pick-up heads and 300mm suction hoses makes this a sweeper like no other.

Unrivalled performance and scrubbing efficiency only possible with the Schwarze design. Higher filtration and lower sound levels via a new 'tortuous sound path attenuator' that also acts as a dust separator.

With joystick control and single button push to sweep, along with 8" handheld hose with 2,500psi front spray bar, find out what makes the Schwarze Hypervac the new performance leader.

APPLICATION

- > Curb sweeping
- > Industrial/civil sweeping
- > Pit cleaning



Learn more about
the Schwarze
Hypervac pure
vacuum sweeper



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