M6 Avalanche™

The People You Know. The Products You Trust.

Model shown with optional equipment.

WARRANTY SCHWARZE

Standard 5yr Component

800.879.7933

www.schwarze.com
1 TOUGH SWEEPER

REVERSIBLE CONVEYER
During cleaning, a reversible conveyer provides a more efficient way to thoroughly clean the conveyer.

13 RUBBER FLIGHTS ON SQUEEgee TYPE CONVEYER
Removes debris from main broom quicker than competitive designs resulting in less trailing and increased heavy debris sweeping.

Squeegee Conveyer

FAN JET NOZZLE CONVEYER WASHOUT
Allows for thorough end of day washout of the conveyer system extending the life expectancy of all conveyer components.

NOW YOU BETTER
Belt Conveyor

- Corded Rubber Belt Conveyor with 13 Full Width Cleats: Carries larger debris without stalling the conveyor.
- Easy Change Conveyor System: Remove conveyor in just minutes. Change from belt to squeegee conveyor or for easy repairs to conveyor or housing.
- Two-Piece Hardened Steel Conveyor Floor: Longer life expectancy equates to reduced cost of ownership.

Change Conveyors In Approx. 2 Hours!

Have a Choice
The Schwarze M6 Avalanche™ is earning its reputation as the premier heavy duty mechanical broom sweeper in the American marketplace. The versatile Schwarze M6 Avalanche™ sweepers offer many of the design innovations that have become the Schwarze® hallmark. The Schwarze® Easy Change Conveyer System™ makes it a breeze to repair or replace a conveyer. Or go from a squeegee type to a belt type conveyer on the same machine. The free float, impact resistant, drag shoes take lateral impact from milling cuts, manhole covers and curbs and flexes back into place.

On the M6 Avalanche™ Twin Engine, a dependable Deutz diesel engine provides power for all sweeping functions, while the M6 Avalanche™ Single Engine sweeper functions are powered by the chassis engine via an Allison 3500 series Transmission.
GLOBAL SUPPORT
Schwarze staff will set-up and train on location world-wide

WARRANTY SUPPORT
Schwarze people are on duty to support you and your equipment

TRUSTED DEALERS
Trusted dealers will support your before and after-purchase needs

52 DEGREE DUMP HOPPER DUMP ANGLE
Equates to a better dump action of the hopper allowing for a cleaner dump

10 GAUGE STEEL HOPPER WITH 3/16" HOPPER FLOOR
Longer life expectancy equates to reduced cost of ownership

5.0 CUBIC YARD HOPPER CAPACITY
Increased hopper capacity equates to increased production and less dumps

45 SECOND DUMP CYCLE
Faster dumping equates to increased production and efficiency.

35 GALLON HYDRAULIC TANK CAPACITY
Reduces the heat buildup which creates a longer life expectancy for key hydraulic components

HOT SHIFT PTO
Provides unequalled power to the sweeper while eliminating the need to feather the chassis throttle for needed power in the most stringent of applications (Single Engine Only)

ENGINE SHUTDOWN SYSTEM
Reduces the risk of an engine failure due to high engine temperature or low oil pressure. Also monitors hydraulic oil level and temperature for shutdown

PARKING BRAKE INTERLOCK MAXIMUM SAFETY
Does NOT allow hopper to be raised or tilted unless brake is set and chassis shifts to neutral automatically when brake is set

SEPARATE SWEEPER AIR TANK
Adds to air reserve, protected by priority safety valve

OIL COOLED DEUTZ ENGINE
Heavy duty Tier 4i industrial engine with 75 HP that does not require a radiator equating to less maintenance and less overall cost of operation
AMERICAN BUILT
AMERICAN MADE

PARTS AVAILABILITY
Schwarze original equipment parts are available when you need them.

INDUSTRY INVOLVEMENT
Schwarze supports the industry trade shows and industry associations.

LOAD LEVELER
Allows for an increase in usable capacity, less dumps during a shift and increased production.

48'' DUMP DOOR
Eliminates the need for a hopper side shift and another moving part. Less maintenance while still giving operator ability to dump into center of dump bed or container.

SLIDE BLOCKS ON SCISSOR LIFT
Provides more surface contact and better lift stability. Self-lubricating reducing overall maintenance.

3:1 DESIGN FACTOR IN THE DESIGN OF THE HOPPER LIFT SYSTEM
Longer life expectancy equates to reduced cost of ownership.

HOPPER INTERIOR ILLUMINATION
Front viewing window with two skylights for daytime and sealed LED flood light for nighttime viewing of hopper & conveyer.

HIGH CAPACITY 5 MICRON WATER FILTER
Extends life and service intervals of water valves and nozzles.

BRASS & GALVANIZED STEEL SPRAY BARS
7 Brass nozzle, front spray bar
4 Dual nozzle, gutter broom spray bars
5 Nozzle, main broom spray bar
Each nozzle has separate tip filter and main broom spray bar has quick release for easy access.

HOPPER HINGE POINTS DO NOT COLLECT DEBRIS
Clean design prevents material buildup.

SINGLE ELECTRIC DIAPHRAGM WATER PUMP WITH 50 PSI AND 5.88 GPM CAPABILITY
Extra powerful pump eliminates need for multiple pumps while providing excellent atomization of the water for excellent fugitive dust control.
The M6 Avalanche™ may be mounted onto either of two standard production conventional chassis. These are the Freightliner M2 or International 4300. The M6 Avalanche™ Twin Engine is also available in a cab-over version mounted on an Autocar Xpert cab-over chassis.

All available chassis models have a well-deserved reputation as being durable, comfortable machines to own and operate.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>MAIN BROOM CURTAIN</td>
<td>Returns any debris, that may have been carried over the broom, back into the sweep path</td>
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<tr>
<td>POLYETHYLENE MAIN BROOM COVER</td>
<td>Flexible cover that does not dent when an immovable object is encountered and eliminates rust and corrosion</td>
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<tr>
<td>MAIN BROOM LIFT</td>
<td>Uses same pneumatic cylinders, used for suspension, to lower, lift and lock broom in place for travel. Cylinders mechanically lock the broom in the up position</td>
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<tr>
<td>ALL HYDRAULIC MOTORS ARE DIRECT DRIVE</td>
<td>Gutter Brooms, Main Broom and Conveyor direct coupled to high-torque hydraulic motors</td>
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<tr>
<td>INNOVATIVE DESIGN</td>
<td>Several Patents Pending</td>
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<tr>
<td>3” AIR CYLINDERS ON MAIN BROOM</td>
<td>Allows for better main broom adaptation to the road surface and reduces leaving material in street pans equating to a cleaner sweep</td>
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<tr>
<td>LED LIGHTING</td>
<td>Increased visibility on the streets</td>
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<tr>
<td>PNEUMATIC TRAILING ARM GUTTER BROOMS</td>
<td>Greater flexibility and give around obstacles. Full in-cab control of broom down pressure</td>
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<tr>
<td>FREE FLOATING TRAILING ARM DRAG SHOE</td>
<td>Allows positive contact with the ground and broom to minimize debris trailing. Flex member prevents damage during lateral movements. 2 year warranty on carbide shoe</td>
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<tr>
<td>PNEUMATIC (GEO) GUTTER BROOM EXTENSION OVERRIDE</td>
<td>Infinite lateral in-cab adjustment from fully retracted to fully extended</td>
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<tr>
<td>IN CAB 27 DEGREE HYDRAULIC TILT</td>
<td>Allows on the fly gutter broom adjustments without the operator leaving the cab</td>
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<tr>
<td>49” DIAMETER GUTTER BROOMS</td>
<td>Better debris transfer towards main broom equating to less trailing and overall better sweeping ability</td>
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Also available from Schwarze Industries, Inc.
M6 Avalanche

CONVEYER / SQUEEGEE
Conveyor: Squegee with replaceable flights
Conveyor Chain: Precision, heavy duty, constant-radius roller chain
Bearings: Self-aligning, triple-sealed and shielded
Conveyor Floor: Bolt-on, replaceable
Speed: Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Flexibility: Flexes for large object passage
Adjustment: Threaded rack
Drive: Direct Drive Hydraulic, forward and reverse
Hopper Connection: Positive seal to eliminate debris spillage
Suspension: Air cylinders with incab adjustment for lower conveyor lift
Conveyor Jam Warming: Console-mounted, light and alarm
Cleaning: Built-in flushing system with high volume fan jet nozzles

CONVEYER / BELT
Conveyor: Heavy Duty multi-ply belt with full width cleats
Bearings: Self-aligning, triple-sealed and shielded
Conveyor Floor: Bolt-on, replaceable
Speed: Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Adjustment: Threaded rack
Drive: Direct Drive Hydraulic, forward and reverse
Hopper Connection: Positive seal to eliminate debris spillage
Suspension: Air cylinders with incab adjustment for lower conveyor lift
Conveyor Jam Warming: Console-mounted, light and alarm
Cleaning: Built-in flushing system with high volume fan jet nozzles and roller lower roller flusher

WATER SYSTEM
Capacity of Tank: SE conventional – 350 gal. (1325L) SC cab over – 350 to 700 gal. (1325 to 2650L) TE conventional – 200 gal. (757L) TC cab over – 350 to 500 gal. (1325 to 2555L)
Construction: Polyethylene
Filter: 4" (102 mm) air gap fit, tubular protected fill receptacle
Fill: Hose 25' with 2½ NST hydrant coupling (7620mm x 63.5mm)
Mounting: Bolt-on, removable
Pump: Electric diaphragm pump, 5.88 GPM (22.3 LPM) at 50 PSI (345 kg)
Spray Bars: In-cab, independent control; 7 nozzles located across front bumper, 4 nozzles at each gutter boom and 5 nozzles across the main boom
Spray Nozzles: All brass 80 degree fan pattern with 100 mesh tip strainer
Filter: 200 mesh screen primary with 5 micron high capacity secondary filter

FUEL SYSTEM
Fuel Tank: Diesel, 50 gallons (189.25 L)
CNG, 50 GGE (Diesel Gal. Equivalent) at 3500 PSI

HYDRAULIC SYSTEM
Pump: Variable Displacement load sense piston pump
Reservoir: 35 gallons (133L), mounted above pump
Oil Cooler: 120,000 BTU twin electric fans
Valves: Electro-hydraulic
12-volt DC with lighted DIN connectors
Protection
Control: In-cab, all electric
Filtration: 100 mesh suction, 10 micron return, 5 micron breather

ELECTRICAL SYSTEM
Voltage: 12-volt
Amperage: 160 AMP

SWEEPER ENGINE (TWIN ENGINE ONLY)
Auxiliary for twin engine: Dautz Tier 4i
Displacement: 221 cu. in. (3.62 L)
Stroke: 5.0" (127 mm) Bore 3.8" (96 mm)
Compression Ratio: 18:1
Horsepower: 75+HP (56 kw) @ 2600 rpm
Torque: 184 ft. lb (250Nm) @ 1600 rpm

GUTTER BROOMS
Location: Behind Cab
Diameter: 49" (1245 mm)
Type: 5 segment wire filled plastic recyclable head
Speed: In-Cab Variable Speed Standard, Independent from Engine RPM
Suspension: Free-floating with air suspension and air extension
Drive: Full hydraulic
Adjustments: Manual tilt, In-cab remote hydraulic lift (optional)
Bristles: 26" (660mm) wire
Center Deflector: Raises and lowers automatically with main broom

MAIN BROOM
Bearing: 36" (914mm)
Length: 58" (1473mm)
Bristles: Replaceable solid core, poly wafer-poly wafer/steel combo or strip broom
Lift Control: In-cab pneumatic lift with positive lock
Drive: Direct drive hydraulic motor
Mounting: Full floating
Speed: Forward and Reverse, In-Cab Variable Speed Standard, Independent from Engine RPM
Suspension: Self-aligning
Dirt Shoes: Trailing arm design with 2" (51 mm) wide
Suspension: Tungsten carbide shoe w/ Blastosonic flex link
Air Suspension with incab adjustment and display

DEERIS HOPPER
Volume Capacity: 5.0 cu. yds (8.63 m³)
Construction: 3/16" Floor, 10 gauge sides/roof
Temper Pass/Pickled in Oil Carbon Steel
Optional Stainless Steel
Lift Capacity: 14,000 lbs (6350 kg)
Dumper Height: (In Cabs) 16" (406 mm) to 138" (3,505 mm)
Inspection: Side door with ladder access, front view window with double skylight and LED illumination

GENERAL
Wheelbase: SE and TE - 139" (3,532mm)
Cab Over - 132" (3,353 mm)
Length: SE and TE - 272" (6,914 mm)
Cab Over - 259" (6,643 mm)
Travel Width: 96" (2,438mm)
Sweeping Width: 134" (3,404mm) (booms extended)
Overall Height: 113" (2,870mm)
GVWR: 33,000 lbs. (14,996 kgs)

PAINT
One coat of sealer/ primer and two coats of DuPont Imron Elite polyurethane white color.

Just a few of the options offered on the M6 Avalanche:
Arrow Board, Rear View Camera, Hopper full indicator, Extra LED flood lights, Extensive safety lighting, Pressure washer with hose reel, Reversible Gutter Brooms

WARRANTY
The Schwarze M6 Avalanche 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 warranty of the chassis or auxiliary engine manufacturer, if so equipped shall apply.

Note: Specifications are subject to change without notice.

Schwarze Industries, Inc.
1055 Jordan Road
Huntsville, AL 35811
800.879.7933
An Alamo-Group Company