



The People You Know. The Products You Trust.

M6 Avalanche™



Model shown with optional equipment.



Quality

Performance

Public Safety

Value

Customer Support

800.879.7933

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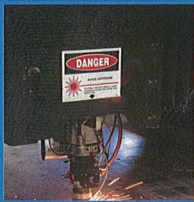
M6 Avalanche™

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 Conveyor System™ makes it a breeze to repair or replace a conveyor. Or go from a squeegee type to a belt type conveyor 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.

COMPUTER CONTROLLED CUTTING & FORMING PROCESS

Guarantees a consistent cut part every time



MODULAR COMPONENTRY

Reduced repair time and cost of ownership

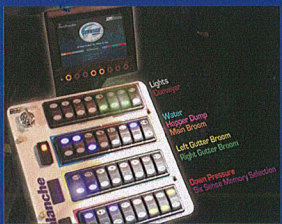
HYDRAULIC TEST PORTS

Reduces troubleshooting time with use of quick-disconnect gauge ports



SIX SENSE CONTROLS

Six programmable configuration selections
Gives the operator the ability to press one button and sweep
Can be programmed for various sweeping conditions
Programed functions are previewed prior to activation via display



WIRING HARNESS COLOR CODED AND FUNCTION IMPRINTED EVERY 6"

Provides easily identifiable wires and reduces maintenance downtime

CENTRALLY LOCATED CONTROL COMPONENTS

Electrical controller, Hydraulic Directional Valves, Pneumatic Valves & Regulators, Water Pump, Valves & Filter, Auxiliary Engine (TE Models), Hydraulic Reservoir (TE Models)

BACKLIT SWITCHES WITH TEXT AND ICON LABELS

Rocker switch for each function that changes color when activated

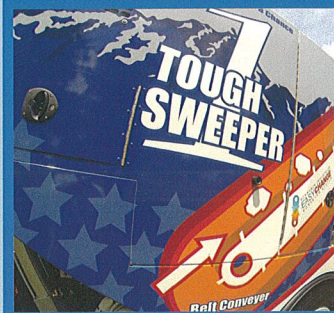
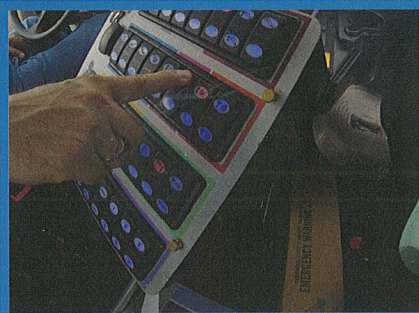


TFT LCD COLOR DISPLAY

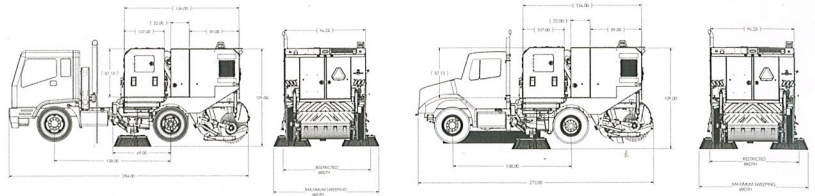
Hourmeters for Engine & Brooms, Hydraulic Oil Temperature, Engine Temperature, Oil Pressure, Water Level, Tachometer, Voltage, and on-screen indicators for each function

PM 10 CERTIFIED

Meets AQMD 1186 requirements to pick up and contain harmful particulates



M6 Avalanche



Design and specifications subject to change without notice.

CONVEYER / SQUEEGEE

Conveyer	Squeegee with replaceable flights
Conveyer Chain	Precision, heavy duty, constant-radius roller chain
Bearings	Self-aligning, triple-sealed and shielded
Conveyer 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 in-cab adjustment for lower conveyer lift
Conveyer Jam Warning	Console-mounted, light and alarm
Cleaning	Built-in flushing system with high volume fan jet nozzles

CONVEYER / BELT

Conveyer	Heavy Duty multi-ply belt with full width cleats
Bearings	Self-aligning, triple-sealed and shielded
Conveyer 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 in-cab adjustment for lower conveyer lift
Conveyer Jam Warning	Console-mounted, light and alarm
Cleaning	Built-in flushing system with high volume fan jet nozzles and lower roller flush

WATER SYSTEM

Capacity of Tank	<i>SE conventional</i> - 350 gal. (1325L) <i>SE cab over</i> - 350 to 700 gal. (1325 to 2650L) <i>TE conventional</i> - 200 gal. (1230L) <i>TE cab over</i> - 350 to 500 gal. (1325 to 2555L)
Construction	Polyethylene
Filler	4" (102 mm) air gap fill; tubular protected fill receptacle
Fill	Hose 25' with 2.5" NST hydrant coupling (7620mm x 63.5mm)
Mounting	Bolt-on, removable
Pump	Electric diaphragm pump, 5.88 GPM (22.3 LPM) at 50 PSI (3.5 Bars)
Spray Bars	In-cab, independent control; 7 nozzles located across front bumper, 4 nozzles at each gutter broom and 5 nozzles across the main broom
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	<i>Diesel</i> , 50 gallons (189.25 L) <i>CNG</i> , 50 DGE (Diesel Gal. Equivalent) at 3600 PSI
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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-mechanical; 12-volt DC with lighted DIN connectors
Protection	Pressure relief
Controls	In-cab; all electric
Filtration	100-mesh suction, 10-micron return, 5-micron breather

ELECTRICAL SYSTEM

Voltage	12-volt
Alternator	160 AMP

SWEeper ENGINE (TWIN ENGINE ONLY)

Auxiliary for twin engine	Deutz Tier 4i, In-line 4-cylinder Turbo Charged diesel
Displacement	221 cu. in. (3.62 L)
Stroke	5.0" (125 mm) Bore 3.8" (96 mm)
	Compression Ratio 18:1
Horsepower	75HP (56 kw) @ 2600 rpm
Torque	184 ft. lb. (250 Nm) @ 1600 rpm

GUTTER BROOMS

Location	Behind Cab
Diameter	49" (1,245 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 tilt (optional)
Bristles	26" (660mm) wire
Center Deflector	Raises and lowers automatically with main broom

MAIN BROOM

Diameter	36" (914mm)
Length	58" (1,473mm)
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
Bearings	Self-aligning
Dirt Shoes	Trailing arm design with 2" (51 mm) wide Tungsten carbide shoe w/ Elastomeric flex link
Suspension	Air Suspension with in-cab adjustment and display

DEBRIS HOPPER

Volumetric Capacity	5.0 cu. yds. (3.82 m ³)
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)
Dumping	Scissor-lift with hopper tilt
Dump Height	(Variable) 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	<i>SE and TE</i> - 139" (3,532 mm) <i>Cab Over</i> - 132" (3,353 mm)
Length	<i>SE and TE</i> - 273" (6,934 mm) <i>Cab Over</i> - 269" (6,833 mm)
Travel Width	96" (2,438mm)
Sweeping Width	134" (3,404mm) (brooms extended)
Overall Height	113" (2,870mm)
GVWR	33,000 lbs. (14,969 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.

Affiliates:



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