



Schwarze Industries, Inc.

Sweeping & Surface Repair Equipment



Quality	Performance	Public Safety	Value	Customer Support

The People You Know

The Products You Trust



Schwarze Industries, Inc.

***Sweeping
& Surface Repair
Equipment***

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1055 Jordan Road, Huntsville, AL 35811
800.879.7933 - www.schwarze.com

A4 Storm

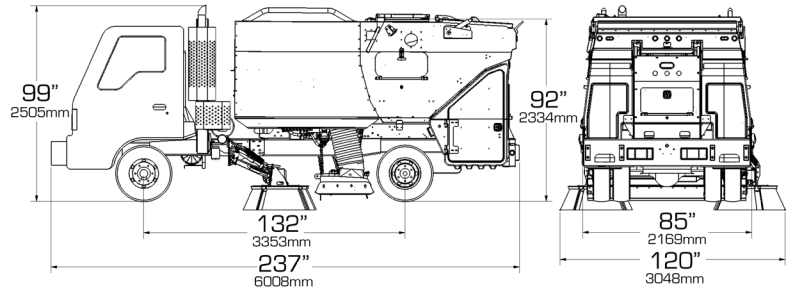
4.5 Cubic Yard Regenerative Air Street Sweeper



A4 Storm

4.5 Cubic Yard Regenerative Air Street Sweeper

A4 Storm



SWEEPING PATH

Pickup head only	80 in (2,032 mm)
Pickup head and one gutter broom	100 in (2,540 mm)
Pickup head and two gutter brooms	120 in (3,048 mm)

CHASSIS

Model / type	4HK1-TC / 4 cycle
Manufacturer	Isuzu
Number of Cylinders	4
Displacement	317 cu in (5.26 L)
Horsepower	215 @ 2500 rpm
Torque	452 lb-ft @ 1800 rpm
Fuel	Diesel
Air filter	Dry type; heavy duty
Standard GVWR	14,500 lb (6,577 kg)
Optional GVWR	17,950 lb (8,142 kg)
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	QSF2.8 diesel Tier 4F
Manufacturer	Cummins
Displacement	171 cu in (2.8 L)
Brake horsepower	74 @ 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

ELECTRICAL SYSTEM

Voltage	12 volt
Battery	2 @ 750 cca each
Alternator	120 amp
Circuit breakers	Resettable type

DUST CONTROL SYSTEM

Type	Electric diaphragm, run dry capable
Capacity	130 gal (492 L) standard optional to 196 gal (684 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
Nozzles	2 on each broom; 4 around suction head; 4 inside hopper

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

SWEEPING HEAD

Type	Dual chambered full-width Adjustable blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	80 in (2,032 mm)
Hoses Diameter	12 in (305 mm)
Hose Construction	3/8 in (9.5 mm) wire-reinforced molded rubber with quick disconnect clamps
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Bolt in replaceable steel transitions.

PAINT

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

SIDE BROOMS

Type	Vertical steel digger
Location	Right, Left, forward of pickup head
Diameter	39 in (991 mm)
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

DEBRIS HOPPER

Volumetric Capacity	4.5 cu y (3.4 cu m)
Construction	10 gauge
Type of Dumping	Hydraulic
Inspection Doors	1 on each side of hopper
Controls	Electric; in cab
Dumping Height	77 in (1956 mm)
Dumping Tilt Angle	88 degrees
Interior Coating	Durable coating
Exterior Coating	Sealer/primer; Polyurethane

HYDRAULIC SYSTEM

Type	Fixed displacement gear
Drive	Direct gear
Maximum pressure	2500 psi (173 bar)
Reservoir	16 gal (60.6 L)
Filter	10 micron, spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic
Filter	80 mesh

Design and specifications subject to change without notice.

**Ask us about our optional:*



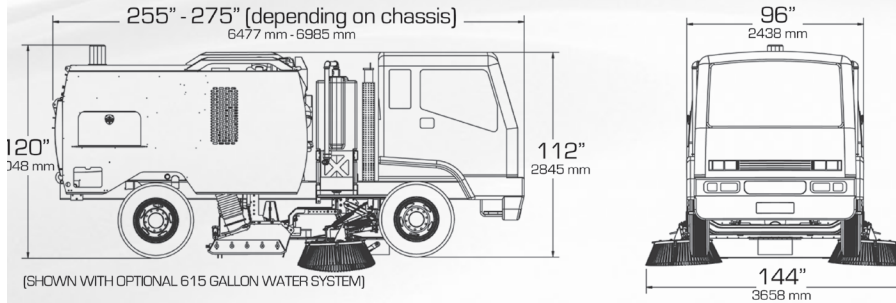
A7 Tornado TE

8.4 Cubic Yard Regenerative Air Street Sweeper



A7 Tornado TE

8.4 Cubic Yard Regenerative Air Street Sweeper



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

SWEEPING PATH

Pickup head only	90 in (2286 mm)
Head and 1 broom	117 in (2972 mm)
Head and 2 brooms	144 in (3658 mm)

CHASSIS

Mounts on various chassis to meet requirements

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

STANDARD ENGINE

Model/type	4045T in-line 4 cylinder
Aspiration	Tier 4 Final turbo-charged diesel
Manufacturer	John Deere
Displacement	275 cu in. (4.5 L)
Brake horsepower	134 hp (100 kw) @ 2400 rpm
Torque	398 ft 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

SWEEPER ELECTRICAL SYSTEM

Voltage	12 V
Engine alternator	90 amp

DUST CONTROL SYSTEM

Type	High pressure/low volume
Capacity	250 gallon (946 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
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 2 inside hopper
Water level gauge	In-cab

INSTRUMENTATION

Auxiliary engine	Flat panel display; tachometer; hourmeter; voltmeter; temperature gauge; oil pressure gauge; warning icons
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FAN SYSTEM

Type	Closed-face radial
Drive	Direct via 5 groove; banded power belt
Construction	Hardox steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreasable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diam	14 in (355.6 mm)
Suction hose diam	14 in (355.6 mm)
Hose construction	3/8 in (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	In-cab controls

DEBRIS HOPPER

Volumetric capacity	8.4 cu yd (6.4 cu m)
Usable Capacity	7.0 cu yd (5.4 cu m)
Dump angle	51 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	Hydraulic open, close, lock
Inspection doors	1 on each side, pressure vessel lock
Hopper dump height	40 in (1016 mm)
Debris screens	Sawtooth drop down

HYDRAULIC SYSTEM

Type	Dual output 2 section
Pump capacity	8 gpm @ 1800 rpm (30 lpm) per section for 16 gpm total
Drive	Direct gear
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron; spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

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

PAINT

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

OPTIONAL SWEEPER EQUIPMENT

Special Paint
Front Mounted Magnet Bar
Amber Beacon
Strobe Light Kit
Arrowboard Kit
Additional Flood Lights
Hopper Hand Hose
Remote Drop Down Screens
Hopper Dump Assist Shaker
12-volt Auxiliary Hydraulic System
Dual Steeling and Controls
Extra Water
High Pressure Front Spraybar
High Pressure Wash Dow
Side Air Blast Head
Hopper Deluge
Head Drain
Dual Outside Hopper Controls
Lifetime Hopper Warranty
Short Wheelbase Chassis

Note: Design and specifications subject to change without notice.

A7 Tornado SE

8.4 Cubic Yard Regenerative Air Street Sweeper

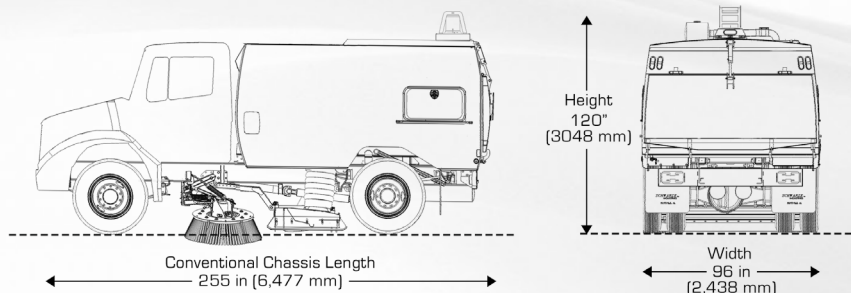


A7 Tornado SE

8.4 Cubic Yard Regenerative Air Street Sweeper



**SINGLE ENGINE TECHNOLOGY
WITHOUT THE LOSS OF
PERFORMANCE**



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

SWEEPING PATH

Pickup head only	90 in (2286 mm)
Head and 1 broom	117 in (2972 mm)
Head and 2 brooms	144 in (3658 mm)

CHASSIS

Freightliner M2 106

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

CHASSIS AND SWEEPER POWER

Model/type	ISB 6.7 in-line 6 cylinder
Emissions	GHG21 turbo-charged diesel
Manufacturer	Cummins Corp
Displacement	6.7 liter (409 c.i.)
Brake horsepower	240 hp (180 kw) @ 2500 rpm
Torque	560 ft lb (759 Nm) @1100 rpm
Air cleaner	High capacity 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	Cummins automatic
Throttle control	Electronic

SWEEPER/CHASSIS ELECTRICAL

Voltage	12 V
Engine alternator	160 amp

DUST CONTROL SYSTEM

Type	High pressure/low volume
Capacity	470 gallon (1786 L); options to 570 gallons (2166 liters)
Tank construction	Polyethylene
Pump Inlet filter	50 mesh; cleanable
Fill diameter	2.5 in (63.5 mm)
Fill hose	25 ft (7620 mm)
Controls	Electric; in-cab
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 2 inside hopper
Water level gauge	In-cab

INSTRUMENTATION

Sweeper	Flat panel display; spray water level; hydraulic oil temperature: sweep mode; sweep in reverse; vacuum enhancer position; hopper position, sweeper diagnostics; sweep power; broom speed
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FAN SYSTEM

Type	Closed-face radial
Drive	Hot shift PTO via 5 groove; banded power belt
Construction	AR steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreasable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diam	14 in (355.6 mm)
Suction hose diam	14 in (355.6 mm)
Hose construction	3/8 in (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	In-cab controls

DEBRIS HOPPER

Volumetric capacity	8.4 cu yd (6.4 cu m)
Usable Capacity	7.0 cu yd (5.4 cu m)
Dump angle	51 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	Hydraulic open, close, lock
Inspection doors	1 on each side, pressure vessel lock
Hopper dump height	40 in (1016 mm)
Debris screens	Sawtooth drop down

HYDRAULIC SYSTEM

Type	Variable displacement
Max Pump capacity	27 gpm @ 1800 rpm (103 lpm)
Drive	Belt
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron; in-tank with DP gauge
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

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

PAINT

One coat of sealer/primer and two coats of Sherwin Williams Duraspar in standard white color

Note: Design and specifications subject to change without notice.

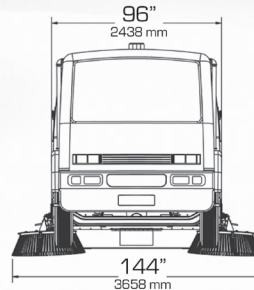
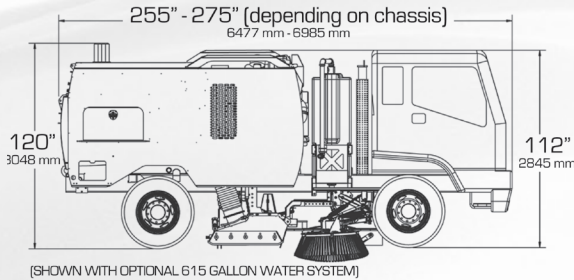
A7 Zephyr TE

8.4 Cubic Yard Regenerative Air Runway Sweeper



A7 Zephyr TE

8.4 Cubic Yard Regenerative Air Runway Sweeper



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

SWEEPING PATH

Pickup head only	90 in (2286 mm)
Pickup head and one gutter broom	117 in (2972 mm)
Pickup head and two gutter brooms	144 in (3658 mm)

CHASSIS

Mounts on various chassis to meet requirements

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

AUXILIARY ENGINE

Model/type	4045T in-line 4 cylinder
Aspiration	Tier 4 Final turbo-charged diesel
Manufacturer	John Deere
Displacement	275 cu. in. (4.5 L)
Brake horsepower	134 hp (100 kw)
	@ 2400 rpm
Torque	398 ft lb (540 Nm)
	@ 1500 rpm
Air cleaner	Centrifugal pre cleaner; 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

HYDRAULIC SYSTEM

Type	Dual output 2 section
Pump capacity	8 gpm @ 1800 rpm (30 lpm) per section for 16 gpm total
Drive	Direct gear
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron; spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

Type	Gear type; driven by electric motor
Function	Lower hopper; open/close hopper door; raise brooms and

DUST CONTROL SYSTEM

Type	High pressure/low volume
Capacity	250 gallon (946 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
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 2 inside hopper
	In-cab

Water level gauge

FAN SYSTEM

Type	Closed-face radial
Drive	Direct via 5 groove; banded power belt
Construction	Hardox steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreasable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Mechani-Pneumatic, dual chambered full-width blast orifice with windrow angle
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diameter	14 in (355.6 mm)
Suction hose diameter	14 in (355.6 mm)
Hose construction	3/8" (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	In-cab controls

INSTRUMENTATION

Auxiliary engine	Flat panel full color display; tachometer; hourmeter; voltmeter; temperature gauge; oil pressure gauge; warning icons
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DEBRIS HOPPER

Volumetric capacity	8.4 cu yd (6.4 cu m)
Usable Capacity	7.0 cu yd (5.4 cu m)
Dump angle	51 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	Hydraulic open, close, lock
Inspection doors	1 on each side, pressure vessel lock
Hopper dump height	40 in (1016 mm)
Debris screens	Sawtooth drop down

ELECTRICAL SYSTEM

Voltage	12 V
Sweeper engine alternator	90 amp

PAINT

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

OPTIONAL SWEEPER EQUIPMENT

Special Paint
Front Mounted Magnet Bar
Amber Beacon
Strobe Light Kit
Arrowboard Kit
Additional Flood Lights
Hopper Hand Hose
Remote Drop Down Screens
Hopper Dump Assist Shaker
12-volt Auxiliary Hydraulic System
Dual Steeling and Controls
Extra Water
High Pressure Front Spraybar
High Pressure Wash Dow
Side Air Blast Head
Hopper Deluge
Head Drain
Dual Outside Hopper Controls
Lifetime Hopper Warranty
Short Wheelbase Chassis

Note: Design and specifications subject to change without notice.

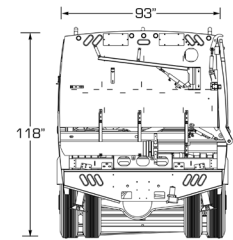
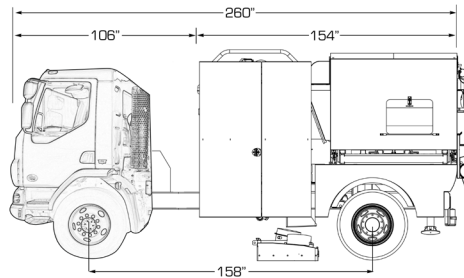
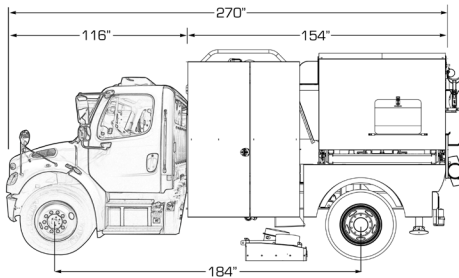
A8 Twister TE

6 Cubic Yard High Dump Regenerative Air Sweeper



A8 Twister TE

6 Cubic Yard High Dump Regenerative Air Sweeper



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

SWEEPING PATH

Pickup head only	90 in [2286 mm]
Pickup head and one side broom	117 in [2972 mm]
Pickup head and two side brooms	144 in [3658 mm]

CHASSIS

Mounts on various chassis to meet requirements

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

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	Tier 4 Final turbo-charged diesel
Manufacturer	John Deere
Displacement	275 cu in (4.5 L)
Brake horsepower	134 hp (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	65 amp

DUST SUPPRESSION SYSTEM

Type	High pressure/low volume
Capacity	250 gal (946 L)
Tank construction	Polyethylene filter; 200 mesh; cleanable
Fill diameter	2.5 in (63.5 mm)
Fill hose	25 ft (7620 mm)
Controls	Electric; in-cab

Dust suppression system cont'd

Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 4 inside hopper
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
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD:

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diameter	14 in (355.6 mm)
Suction hose diameter	14 in (355.6 mm)
Hose construction	3/8 in (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20 903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

PAINT

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

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic

Side brooms cont'd

Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	Manual with optional in-cab controls

DEBRIS HOPPER

Volumetric capacity	6 cu yd (4.59 cu m)
Dump angle	50 degrees
Floor angle	0 degrees
Lifting	Twin hydraulic cylinders scissor-lift
Hopper dump door	Full height; full width open/close/lock hydraulically
Inspection doors	1 on left side of hopper
Dump height	24 in to 144 in high
Construction	Stainless steel floor; sides and roof

HYDRAULIC SYSTEM

Type	Dual output 2 section
Pump capacity	8 gpm @ 1800 rpm (30 lpm) per section for 16 gpm total
Drive	Direct gear
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron; spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

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

Note: Design and specifications subject to change without notice.

A8 Twister

A8 Twister SE

6 Cubic Yard High Dump Regenerative Air Sweeper

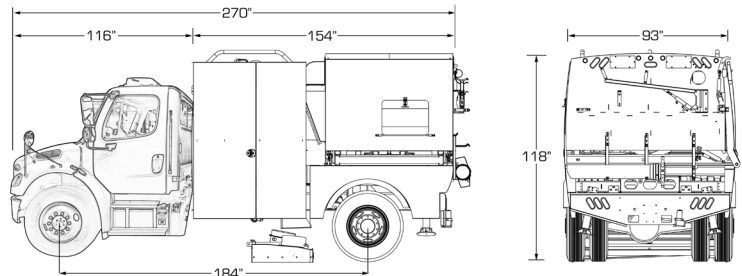


A8 Twister SE

6 Cubic Yard High Dump Regenerative Air Sweeper



**SINGLE ENGINE TECHNOLOGY
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PERFORMANCE**



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

SWEEPING PATH

Pickup head only	90 in [2,286 mm]
Head and 1 broom	117 in [2,972 mm]
Head and 2 brooms	144 in [3,658 mm]

CHASSIS

Freightliner M2 106

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

CHASSIS AND SWEEPER POWER

Model/type	ISB 6.7 in-line 6 cylinder
Emissions	GHG21 turbo-charged diesel
Manufacturer	Cummins Corp
Displacement	6.7 liter [409 c.i.]
Brake horsepower	240 hp [180 kw] @ 2500 rpm
Torque	560 ft lb [759 Nm] @ 1100 rpm
Air cleaner	High capacity 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	Cummins automatic
Throttle control	Electronic

SWEEPER/CHASSIS ELECT. SYSTEM

Voltage	12 V
Engine alternator	160 amp

DUST CONTROL SYSTEM

Type	High pressure/low volume
Capacity	470 gallon [1,786 L] Options to 570 gallon [2,166 L]
Tank construction	Polyethylene
Filter	50 mesh; cleanable
Fill diameter	2.5 in [63.5 mm]
Fill hose	25 ft [7,620 mm]
Controls	Electric; in-cab
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 2 inside hopper
Water level gauge	In-cab

INSTRUMENTATION

Sweeper	Flat panel display; spray water level; hydraulic oil temperature; sweep mode; sweep in reverse; vacuum enhancer position; hopper position; sweeper diagnostics; broom speed; sweep power
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FAN SYSTEM

Type	Closed-face radial
Drive	Hot shift PTO via 5 groove; banded power belt
Construction	AR steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in [832 mm]
Housing lining	Bolt-in corded rubber
Mounting	2 regreasable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in [2,286 mm]
Pressure hose diam	14 in [355.6 mm]
Suction hose diam	14 in [355.6 mm]
Hose construction	3/8 in [9.5 mm] wire-reinforced molded rubber
Head area	3,240 sq in [20,903 sq cm]
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in [1,118 mm]
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adj.	In-cab controls

DEBRIS HOPPER

Volumetric capacity	6 cu yd [4.59 cu m]
Dump angle	50 degrees
Floor angle	0 degrees
Lifting	Twin hydraulic cylinders scissor-lift
Hopper dump door	Full height; full width open/close/lock hydraulically
Inspection doors	1 on left side of hopper
Dump height	24 in to 144 in high
Construction	Stainless steel floor; sides and roof

HYDRAULIC SYSTEM

Type	Variable displacement
Max Pump capacity	27 gpm @ 1800 rpm [103 lpm]
Drive	Belt
Maximum pressure	2,750 psi [190 bar]
Reservoir	25 gal [94 L]
Filter	10 micron; In-tank
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

Type	Gear type; driven by electric motor
Function	Lower hopper; open/close hopper door; raise/lower brooms and pickuphead

PAINT

One coat of sealer/primer and two coats of in standard white color

Note: Design and specifications subject to change without notice.

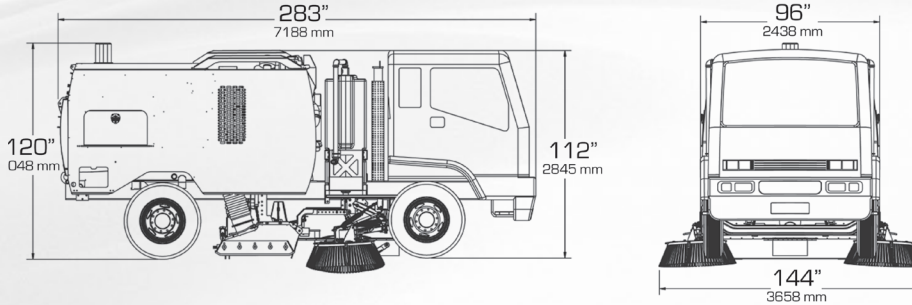
A9 Monsoon TE

9.6 Cubic Yard Regenerative Air Sweeper



A9 Monsoon TE

9.6 Cubic Yard Regenerative Air Sweeper



SWEEPING PATH

Pickup head only	90 in [2286 mm]
Head and 1 broom	117 in [2972 mm]
Head and 2 brooms	144 in [3658 mm]

CHASSIS

Mounts on various chassis to meet requirements

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

STANDARD ENGINE

Model/type	4045T in-line 4 cylinder
Aspiration	Tier 4 Final turbo-charged diesel
Manufacturer	John Deere
Displacement	275 cu. in. (4.5 L)
Brake horsepower	134 hp (100 kw) @ 2400 rpm
Torque	398 ft 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

SWEEPER ELECTRICAL SYSTEM

Voltage	12 V
Engine alternator	90 amp

DUST CONTROL SYSTEM

Type	Run dry diaphragm
Capacity	250 gallon (946 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
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 4 inside hopper
Water level gauge	In-cab

INSTRUMENTATION

Auxiliary engine	Flat panel display; tachometer; hourmeter; voltmeter; temperature gauge; oil pressure gauge; warning icons
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FAN SYSTEM

Type	Closed-face radial
Drive	Direct via 5 groove; banded power belt
Construction	Hardox steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreaseable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diam	14 in (355.6 mm)
Suction hose diam	14 in (355.6 mm)
Hose construction	3/8" (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	In-cab controls

DEBRIS HOPPER

Volumetric capacity	9.6 cu yd (7.3 cu m)
Usable Capacity	8.0 cu yd (6.1 cu m)
Dump angle	53 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	hydraulic open, close, lock
Inspection doors	1 on each side, pressure vessel lock
Hopper dump height	33 in (838 mm)
Screens	Sawtooth drop down

HYDRAULIC SYSTEM

Type	Dual output 2 section
Pump capacity	8 gpm @ 1800 rpm (30 lpm) per section for 16 gpm total
Drive	Direct gear
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron; spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

Type	Gear type; driven by electric motor
Function	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

OPTIONAL SWEEPER EQUIPMENT

Special Paint
Front Mounted Magnet Bar
Amber Beacon
Strobe Light Kit
Arrowboard Kit
Additional Flood Lights
Hopper Hand Hose
Remote Drop Down Screens
Hopper Dump Assist Shaker
12-volt Auxiliary Hydraulic System
Dual Steeling and Controls
Extra Water
High Pressure Front Spraybar
High Pressure Wash Dow
Side Air Blast Head
Hopper Deluge
Head Drain
Dual Outside Hopper Controls
Lifetime Hopper Warranty
Short Wheelbase Chassis

Note: Design and specifications subject to change without notice.

A9 Monsoon SE

9.6 Cubic Yard Regenerative Air Sweeper

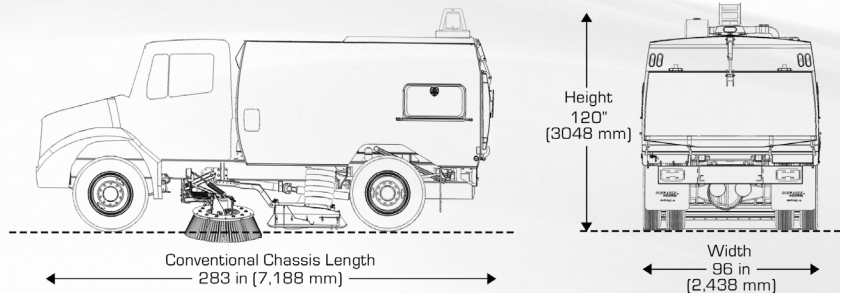


A9 Monsoon SE

9.6 Cubic Yard Regenerative Air Sweeper



**SINGLE ENGINE TECHNOLOGY
WITHOUT THE LOSS OF
PERFORMANCE**



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

SWEEPING PATH

Pickup head only	90 in (2286 mm)
Head and 1 broom	117 in (2972 mm)
Head and 2 brooms	144 in (3658 mm)

CHASSIS

Freightliner M2 106

SWEEPER BODY

Construction	Welded 10-gauge stainless steel plate
Safety props	Lift spacers

CHASSIS AND SWEEPER POWER

Model/type	ISB 6.7 in-line 6 cylinder
Emissions	GHG21 turbo-charged diesel
Manufacturer	Cummins Corp
Displacement	6.7 liter (409 c.i.)
Brake horsepower	240 hp (180 kw) @ 2500 rpm
Torque	560 ft lb (759 Nm) @1100 rpm
Air cleaner	High capacity 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	Cummins automatic
Throttle control	Electronic

SWEEPER/CHASSIS ELECTRICAL

Voltage	12 V
Engine alternator	160 amp

DUST CONTROL SYSTEM

Type	High pressure/low volume
Capacity	470 gallon (1786 L); options to 570 gallons (2166 liters)
Tank construction	Polyethylene
Pump Inlet filter	50 mesh; cleanable
Fill diameter	2.5 in (63.5 mm)
Fill hose	25 ft (7620 mm)
Controls	Electric; in-cab
Nozzles	2 on each broom; 5 around suction head; 2 inside suction nozzle; 2 on front axle; 2 inside hopper
Water level gauge	In-cab

INSTRUMENTATION

Sweeper	Flat panel display; spray water level; hydraulic oil temperature; sweep mode; sweep in reverse; vacuum enhancer position; hopper position, sweeper diagnostics; sweep power; broom speed
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FAN SYSTEM

Type	Closed-face radial
Drive	Hot shift PTO via 5 groove; banded power belt
Construction	AR steel
Balance	1.5 grams on 2 sides
Diameter	32.75 in (832 mm)
Housing lining	Bolt-in corded rubber
Mounting	2 regreasable sealed bearings
Vacuum enhancer	For heavy/light material; in-cab indicator

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	90 in (2286 mm)
Pressure hose diam	14 in (355.6 mm)
Suction hose diam	14 in (355.6 mm)
Hose construction	3/8 in (9.5 mm) wire-reinforced molded rubber
Head area	3240 sq in (20903 sq cm)
Controls	Hydraulic raise and lower
Skids	Double wide tungsten carbide
Construction	Abrasion-resistant steel inlet and outlet transitions.

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	44 in (1118 mm)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	5 each side; disposable
Tilt angle adjustment	In-cab controls

DEBRIS HOPPER

Volumetric capacity	9.6 cu yd (7.3 cu m)
Usable Capacity	8.0 cu yd (6.1 cu m)
Dump angle	51 degrees
Floor angle	3 degrees
Lifting	Twin hydraulic cylinders
Hopper dump door	Hydraulic open, close, lock
Inspection doors	1 on each side, pressure vessel lock
Hopper dump height	40 in (1016 mm)
Debris screens	Sawtooth drop down

HYDRAULIC SYSTEM

Type	Variable displacement
Max Pump capacity	27 gpm @ 1800 rpm (103 lpm)
Drive	Belt
Maximum pressure	2750 psi (190 bar)
Reservoir	25 gal (94 L)
Filter	10 micron spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

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

PAINT

One coat of sealer/primer and two coats of Sherwin Williams Duraspar polyurethane in standard white color

Note: Design and specifications subject to change without notice.

M4 Cascade

4 Cubic Yard Mechanical Sweeper



M4 Cascade

4 Cubic Yard Mechanical Sweeper



M4 CASCADE

GENERAL

Travel width	96 in (2,438 mm)
Sweeping width	120 in (3,048 mm) (brooms extended)
Overall height	102 in (2,591 mm)

CHASSIS

Manufacturer	Isuzu
Model	NRR
Engine	4HK1TC/Turbo T4F
GVWR	19,500 lb (8,845 kg)
Number of Cylinders	4
Displacement	317 cu in (5.26 L)
Horsepower	215 @ 2500 rpm
Torque	452 lb-ft @ 1800 rpm
Fuel	Diesel
Air filter	Dry type; heavy duty
Suspension	Rear air ride
Transmission	A465; 6 speed automatic
Wheelbase	109" (2,769 mm)
Tires	(6) Tubeless steel-belted radials 225/70 R 19.5
Wheels	Steel construction
Steering	Integral power
Brake	Vacuum/hydraulics with ABS

SWEeper ENGINE

Type	TCD2.2 Diesel Tier 4F
Manufacturer	Deutz
Displacement	134.25 cu in (2.2 L)
Brake horsepower	74 @ 2,600 rpm
Cooling system	Liquid-cooled

ELECTRICAL SYSTEM

Voltage	12 V
Alternator	140 amp

MAIN BROOM

Diameter	36 in (914 mm)
Length	58 in (1,473 mm)
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
Speed	Forward and reverse, in-cab variable speed standard, independent from engine rpm
Bearings	Self-aligning
Dirt shoes	Trailing arm design with flexible, easily replaceable, strip bushes. Tungsten carbide shoes optional
Suspension	Air suspension with in-cab adjustment and display

GUTTER BROOMS

Location	Behind cab
Diameter	42 in (1,067 mm)
Type	5 segment wire filled plastic recyclable head
Speed	in-cab variable speed standard, independent from engine rpm
Suspension	Free-floating with spring suspension and extension
Drive	Full hydraulic
Adjustments	Manual tilt; in-cab actuator
Bristles	26 in (660 mm) wire
Center deflector	Raises and lowers automatically with main broom

CONVEYER

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	Squeegee with replaceable flights
Conveyer chain	Precision, heavy duty, constant-radius roller chain
Flexibility	Flexes for large object passage
Cleaning	Built-in flushing system with high volume fan jet nozzles
Conveyer jam warning	Console-mounted, light and alarm

HYDRAULIC SYSTEM

Pump	Variable displacement load sense piston pump
Reservoir	35 gal (133 L) mounted above pump
Oil cooler	120,000 btu twin electric fans
Valves	Electro-mechanical; 12 V dc with lighted din connectors
Protection	Pressure relief
Controls	In-cab; all electric
Filtration	100-mesh suction, 10-micron return, 5-micron breather

WATER SYSTEM

Capacity of tank	220 gal (833 L)
Construction	Polyethylene
Filler	4 in (102 mm) air gap fill; tubular protected fill receptacle
Fill	Hose 25ft with 2.5 in NST hydrant coupling (7,620 mm x 63.5 mm)
Mounting	Bolt-on, removable
Pump	Electric diaphragm pump, 5.88 gpm (22.3 Lpm) at 50 psi (3.5 bar)
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

DEBRIS HOPPER

Volumetric capacity	4.0 cu yds (3.06 cu m)
Construction	Stainless steel
Gross lift capacity	9,500 lbs (4,309 kg)
Dumping	Scissor-lift with hopper tilt
Dump height	(Variable) 5 in (127 mm) to 120 in (3,048 mm)
Inspection	Large side door

PAINT

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

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

M6 Avalanche

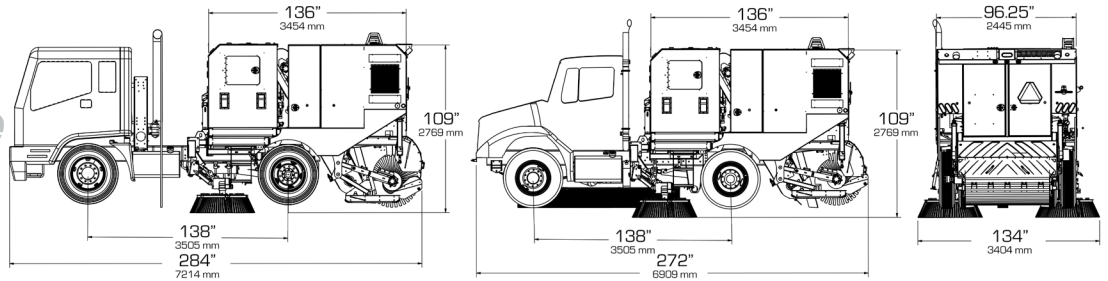
5 Cubic Yard Mechanical Sweeper



M6 Avalanche

5 Cubic Yard Mechanical Sweeper

M6
Avalanche



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

CONVEYER

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

CONVEYER / SQUEEGEE

Conveyer	Squeegee with replaceable flights
Conveyer chain	Precision, heavy duty, constant-radius roller chain
Flexibility	Flexes for large object passage
Cleaning	Built-in flushing system with high volume fan jet nozzles

CONVEYER / BELT

Conveyer	Heavy duty multi-ply belt with full width cleats
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 (1325 L) <i>SE cabover:</i> 350 gal to 700 gal (1325 L to 2650 L) <i>TE conventional:</i> 200 gal (1230 L) <i>TE cabover:</i> 350 gal to 500 gal (1325 L to 2555 L)
Construction	Polyethylene
Filler	4 in (102 mm) air gap fill; tubular protected fill receptacle
Fill	Hose 25 ft with 2.5 in nst hydrant coupling (7620 mm x 63.5 mm)
Mounting	Bolt-on, removable
Pump	Electric diaphragm pump, 5.88 gpm (22.3 Lpm) at 50 psi (3.5 bar)
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 gal (133 L) mounted above pump
Oil cooler	120 000 btu twin electric fans
Valves	Electro-mechanical; 12 V 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 V
Alternator	160 amp

SWEPPER ENGINE (TWIN ENGINE ONLY)

Type	QSF2.8 diesel Tier 4F
Manufacturer	Cummins
Displacement	171 cu in (2.8 L)
Brake horsepower	74 @ 2500 rpm
Cooling system	Liquid-cooled

GUTTER BROOMS

Location	Behind cab
Diameter	49 in (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 tilt (optional)
Bristles	26 in (660 mm) wire
Center deflector	Raises and lowers automatically with main broom

MAIN BROOM

Diameter	36 in (914 mm)
Length	58 in (1473 mm)
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 in (51 mm) wide Tungsten carbide shoe with elastomeric flex link
Suspension	Air suspension with in-cab adjustment and display

DEBRIS HOPPER

Volumetric capacity	5.0 cu yds (3.82 cu m)
Construction	3/16 in floor, 10 gauge sides/roof, temper pass/pickled in oil carbon steel optional stainless steel
Gross lift capacity	14 000 lbs (6350 kg)
Dumping	Scissor-lift with hopper tilt
Dump height	(Variable) 16 in (406 mm) to 138 in (3505 mm)
Inspection	Side door with ladder access, front view window with double skylight and led illumination

GENERAL

Wheelbase	<i>SE and TE</i> - 139 in (3532 mm) <i>Cabover</i> - 132 in (3353 mm)
Length	<i>SE and TE</i> - 273 in (6934 mm) <i>Cabover</i> - 269 in (6833 mm)
Travel width	96 in (2438 mm)
Sweeping width	134 in (3404 mm) (brooms extended)
Overall height	113 in (2870 mm)
GVWR	33 000 lbs (14 969 kgs)

PAINT

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

Note: Specifications are subject to change without notice.

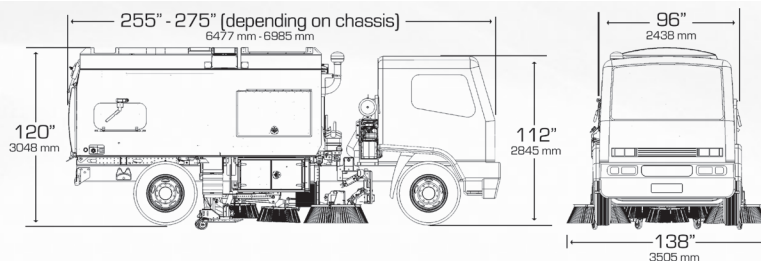
Schwarze Hypervac

7.8 Cubic Yard PURE VACUUM Sweeper



Schwarze Hypervac

7.8 Cubic Yard PURE VACUUM Sweeper



*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	Tier/Stage 4 turbo-charged diesel
Manufacturer	John Deere
Displacement	275cu in (4.5 L)
horsepower	134hp (10 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	Tow 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" (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 Imron® Elite polyurethane in standard white color

Note: Design and specifications subject to change without notice.

GS6 Tempest

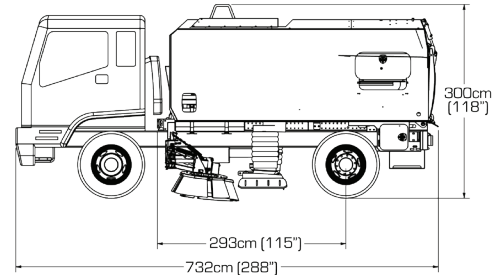
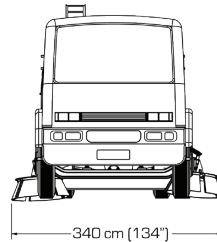
6 Cubic Meter Various Chassis Mounted Sweeper



GS6 Tempest

6 Cubic Meter Various Chassis Mounted Sweeper

Schwarze GS6 Tempest™ 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	2717 mm (107 in)
Pickup head and two gutter brooms	3404 mm (134 in)

DEBRIS HOPPER

Volumetric capacity	6 cu. m (7.8 cu. y)
Usable Capacity	4.97 cu. m (6.5 cu. y)
Dump angle	46°
Floor angle	3°
Lifting	Twin hydraulic cylinders
Hopper dump door	open/close/lock hydraulically
Inspection doors	1 on each side of hopper
Screens	Drop down design
Safety Prop	Dual steel tubes

CHASSIS

Mounts on various chassis to meet requirements

INSTRUMENTATION

Sweeper engine	Tachometer; hourmeter; voltmeter; temperature gauge
Sweeper	Load weight warning Hopper up indicator Hydraulic level indicator

STANDARD ENGINE

Model/type	4045HF285
Aspiration	Turbo-charged diesel
Manufacturer	John Deere
Displacement	4.5 l (275 cu. in)
Brake horsepower	86 kW (115 hp) @ 2400 rpm
Torque	430 nm (317 ft. lb.) @1500 rpm
Air cleaner	Dual element dry type w/centrifugal pre-cleaner & restriction indicator
Oil filter	Full-flow/spin-on
Safety shutdown	Three-point automatic
Throttle control	Electronic

DUST CONTROL SYSTEM

Pump	Run Dry Diaphragm
Capacity	946 l (250 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; 2 inside transition tube; 1 inside suction nozzle; 7 on hopper spray bar

BLOWER SYSTEM

Type	Closed-face radial
Drive	Direct via 5 single power belts
Construction	Hardox steel
Balance	1.5 g on 2 sides
Dimensions	832 mm x 127 mm (32.75 in x 5 in)
Housing lining	Bolt-in corded rubber
Mounting	Double sealed bearing spindle
Vacuum enhancer	For heavy/light material

PICKUP HEAD

Type	Dual chambered full-width blast orifice
Operating direction	Forward and reverse
Suspension	Adjustable spring balanced
Length	2032 mm (80 in)
Hose diameter	355.6 mm (14 in)
Hose construction	9.5 mm (3/8 in) wire-reinforced molded rubber
Head area	12903 cm ² (2000 sq. in)
Front flap	Hydraulic open and close

SIDE BROOMS

Type	Vertical steel digger
Location	Right; left; forward of pickup head
Diameter	990 mm (39 in)
Drive	Hydraulic
Suspension	Torque-sensing spring
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable; non-reversing
Segments	4 each side; disposable
Tilt angle adjustment	In-cab controls

HYDRAULIC SYSTEM

Type	Gear type
Pump capacity	24.6 l/min @ 1800 rpm (6.9 gpm)
Drive	Direct gear
Maximum pressure	173 bar (2500 psi)
Reservoir	94 l (22.5 gal)
Filter	6 micron; spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic

AUXILIARY HYDRAULIC SYSTEM

Type	Gear type; driven by electric motor
Function	Raise/lower hopper; open/close hopper door; raise/lower brooms and pickup head

ELECTRICAL SYSTEM

Voltage	12 v
Sweeper engine alternator	75 amp

OPERATOR CONVENIENCE

Access platform behind cab
Low pressure wash-down

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.

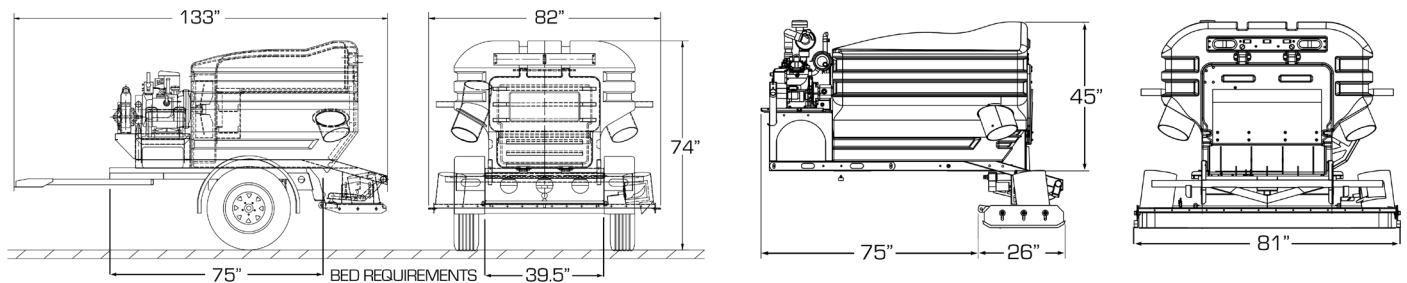
SuperVac Aero

2 Cubic Yard Portable Slide-In/Trailer Sweeper



SuperVac Aero

2 Cubic Yard Portable Slide-In/Trailer Sweeper



* TYPICAL MEASUREMENTS SHOWN. EXACT DIMENSIONS DEPENDING ON OPTIONS AND TRAILER MANUFACTURER

AUXILIARY ENGINE:

Manufacturer	Robin Subaru
Model	EH-65
Number of cylinders	V-twin cylinder [4-cycle]
Displacement	39.90 cu in (653 cc)
Compression ratio	8:3:1
Brake horsepower	22.0 hp @ 3,600 rpm
Starting system	Electric start
Fuel	Gasoline; 5 gal tank capacity
Oil filter	1.64 qt (1500 cc)
Charging system	12 V; 15 amp

DEBRIS HOPPER:

Volumetric capacity	2.0 cu yd (1.53 cu m)
Construction	Impact and abrasion-resistant polyethylene
Dust separator	Replaceable
Separator screen	Slide-in replaceable

FAN SYSTEM:

Type	Radial blade
Drive	Belt driven; 3V
Number of blades	6
Speed	3600 rpm
Diameter	20 in
Construction	Welded; abrasion-resistant steel
Mounting	Pillow block bearings

SWEEPING HEAD:

Type	Debris-moving blast and suction
Suspension	2 trailing arms
Construction	Steel
Width	78 in (1981 mm)
Flap design	2 flaps
Skids	Tungsten Carbide
Suction hose diameter	10 in (254 mm)
Pressure hose diameter	10 in (254 mm)
Lift/Lower	Manual crank winch

UNIT:

Stands	4; one at each corner
Curb Weight	1000 lbs (approximately)

WATER SYSTEM:

Type	Gravity-to-intake
Location	At sweeping head;
Controls	Outside at water tank
Tank capacity	25 gal (94.6 L)
Tank construction	Non-corrosive plastic

STANDARD EQUIPMENT:

Pulse-type fuel pump
Full pressure lubrication
Manual throttle & choke with remove cables
Full flow spin-on oil filter
Solenoid fuel shutdown carburetor
Cast iron cylinder sleeves
Oil pressure shut-off switch
Large dual element air cleaner
Large ball bearing on PTO side
12 V electric starter with remote mount key switch
Wireless rear view camera with 7" color monitor

OPTIONAL EQUIPMENT:

Strobe light
Flood light
Mounted clean air blower
Backpack blower rack
Trailer mounted

Note: design and specifications subject to change without notice.

SuperVac
Aero

SuperVac Updraft

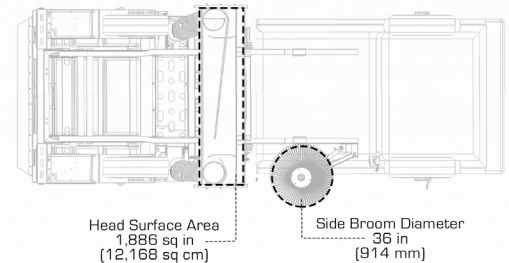
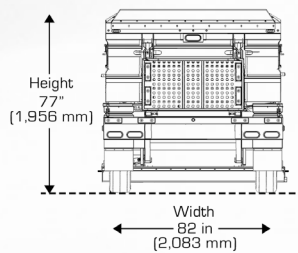
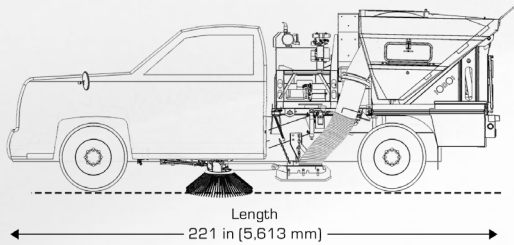
2 Cubic Yard Low Profile Parking Area Sweeper



SuperVac Updraft

2 Cubic Yard Low Profile Parking Area Sweeper

SuperVac
Updraft



GENERAL SPECIFICATIONS:

Total empty weight	6200 lbs (2812 kgs)
Wheelbase	133 in (3378 mm)
Sweeping width	81 in (2057 mm)
With one gutter broom option	97 in (2464 mm)
Turning radius	274 in (6960 mm)
Overall length	221 in (5613 mm)
Overall height (without beacon)	77 in (1956 mm)
Overall width	89 in (2261 mm)

AUXILIARY ENGINE:

Manufacturer	Kohler
Horse power	30
Type	Water cooled gasoline
Warranty	3 year

DEBRIS HOPPER:

Volumetric capacity	2.0 cu yd (1.53 cu m)
Dumping	Hydraulic high dump
Material	Stainless steel
Dump height	67 in (1702 mm)
Dumping tilt angle	88°
Inspection doors	1 on left side 1 on right side
Controls	Electric; in-cab
Paint	Imron Elite®

ELECTRICAL SYSTEM:

Battery	1 @ 12 V, 750 cca each
Controls	Electric; in-cab
Circuit protection	Resettable circuit breakers
Rear view camera	Color; dash mounted

FAN SYSTEM:

Type	Whisper wheel turbine
Drive	Belt driven
Number of blades	10
Diameter	24 in (610 mm)
Construction	Welded abrasion-resistant steel
Housing liner	Bolt-in corded rubber
Mounting	Pillow block bearings
Vacuum enhancer	For heavy/light material

HYDRAULIC SYSTEM:

Type	Belt driven gear pump
Fluid capacity	3 gal (11.4 l)
Purpose	Power gutter broom
Dump system hydraulics	12 V power unit

PICKUP HEAD:

Type	Debris-moving blast and suction
Material	Stainless steel
Operating direction	Forward and reverse
Suspension	2 trailing arms; 4 springs balanced
Length	81 in (2057 mm)
Pressure hose diameter	10 in (254 mm)
Suction hose diameter	10 in (254 mm)
Flap design	3 flaps
Controls	Hydraulic raise and lower
Skids	Tungsten carbide

OPTIONAL WATER SYSTEM:

Type	Diaphragm
Tank capacity	12 gal (46 l)
Construction	Aluminum
Pump	Electric 12 V dc
Controls	Electric; in-cab
Filter	100 mesh screen
Mounting	Removable
Fill diameter	3 in (76.2 mm)
Nozzles	2 on broom; 2 inside hopper
Optional	Front spray bar

SIDE BROOM:

Type	Poly wafer
Wafers	2 - disposable wafers
Diameter	36 in (914 mm)
Drive	Hydraulic torque motor
Speed	Variable
Mounting	Trailing arm design
Location	Left hand side
Suspension	Free floating
Wear adjustment	Automatic
Impact protection	Spring
Tilt angle adjustment	Manual; at broom

OPTIONAL EQUIPMENT:

Polyethylene tool box
Rear trash bag rack
Cab mounted strobe
Extra flood light
Air compressor with in-cab controls

Note: design and specifications subject to change without notice.

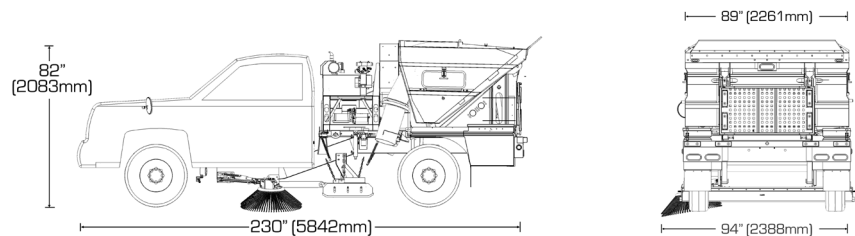
SuperVac Super Updraft

3 Cubic Yard Low Profile Parking Area Sweeper



SuperVac Super Updraft

3 Cubic Yard Low Profile Parking Area Sweeper



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

Standard GVWR	12,000 lb (5,443 kg)*	Sampling and angle	30°
Optional GVWR	14,500 lb (6,577 kg)**	Inspection doors	1 on left side 1 on right side
Transmission	6L90 6 speed automatic	Controls	Electric; in-cab
Tires	(6) Tubeless steel-belted radials	Paint	Imron Elite®
* 12,000 GVW	215/85R16E (10-ply)	ELECTRICAL SYSTEM:	
** 14,500 GVW	225/70R19.5G (14-ply)	Battery	1 @ 12 V, 750 cca each
Wheels	Steel construction	Controls	Electric; in-cab
Steering	Integral power;	Circuit protection	Resettable circuit breakers
Brakes	Vacuum/hydraulic with 4-channel ABS	Rear view camera	Color; dash mounted
GENERAL SPECIFICATIONS:		FAN SYSTEM:	
Wheelbase	133 in (3378 mm)	Type	Whisper wheel turbine
Sweeping width	81 in (2057 mm)	Drive	Belt driven
With one gutter broom option	94 in (2388 mm)	Number of blades	10
Turning radius	274 in (6960 mm)	Diameter	24 in (610 mm)
Overall length	230 in (5842 mm)	Construction	Welded abrasion-resistant steel
Overall height (without beacon)	82 in (2083 mm)	Housing liner	Bolt-in corded rubber
Overall width	89 in (2261 mm)	Mounting	Pillow block bearings
AUXILIARY ENGINE:		Vacuum enhancer	For heavy/light material
Manufacturer	B&G Vanguard Big Block	PICKUP HEAD:	
Horse power	25	Type	Debris-moving blast and suction
Type	Air cooled gasoline	Operating direction	Forward and reverse
Air cleaner	Centrifugal multi-stage	Suspension	2 trailing arms; 4 springs balanced
Cylinder	Cast iron cylinder sleeve	Length	80 in (2032 mm)
Warranty	3 year	Pressure hose diameter	10 in (254 mm)
SIDE BROOM:		Suction hose diameter	10 in (254 mm)
Type	Vertical digger	Flap design	3 flaps
Bristle	Wire or poly	Controls	Hydraulic raise and lower
Diameter	26 in (660 mm)	Skids	Tungsten carbide
Drive	Hydraulic torque motor	HYDRAULIC SYSTEM:	
Speed	Variable	Type	Belt driven gear pump
Mounting	Trailing arm design	Fluid capacity	3 gal (11.4 l)
Location	Left hand side	Purpose	Power gutter broom
Suspension	Free floating	Dump system hydraulics	12 V power unit, 1 gal (3.8 l)
Wear adjustment	Automatic	OPTIONAL EQUIPMENT:	
Impact protection	Spring	Polyethylene tool box	
Tilt angle adjustment	Manual; at broom	Rear trash bag rack	
HYDRAULIC SYSTEM:		Cab mounted strobe	
Type	Belt driven gear pump	Extra flood light	
Fluid capacity	3 gal (11.4 l)	Curb blower.	
Purpose	Power gutter broom	Note: design and specifications subject to change without notice.	
Dump system hydraulics	12 V power unit, 1 gal (3.8 l)		
OPTIONAL EQUIPMENT:			
Polyethylene tool box			
Rear trash bag rack			
Cab mounted strobe			
Extra flood light			
Curb blower.			

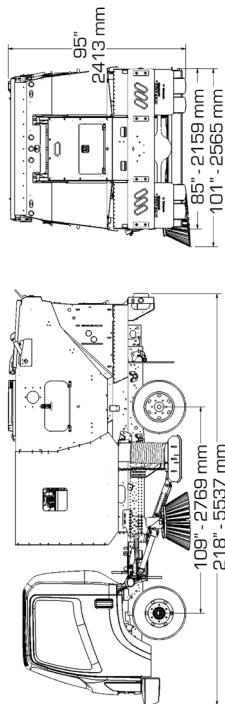
SuperVac Vortex

4.5 Cubic Yard Parking Lot Sweeper



SuperVac Vortex

4.5 Cubic Yard Parking Lot Sweeper



GENERAL SPECIFICATIONS:

Pickup head only	80 in [2,032 mm]
Pickup head and one gutter broom	96 in [2,438 mm]
Pickup head and two gutter brooms	112 in [2,845 mm]

AUXILIARY ENGINE

Type	V-twin liquid cooled gas
Manufacturer	Kohler
Displacement	45.6 cu in [747 cc]
Brake horsepower	30 @ 3500 rpm
Cooling system	Liquid-cooled
Air cleaner	Dual element dry-type
Safety shutdown	Three-point automatic
Warranty	3 Year

DEBRIS HOPPER

Volumetric Capacity	4.5 cu yd. [3.4 cu m]
Construction	Stainless Steel
Type of Dumping	Hydraulic
Inspection Doors	1 on each side of hopper
Controls	Electric; in cab
Dumping Height	77 in [1956 mm]
Dumping Tilt Angle	88 degrees
Exterior Coating	Sealer/primer; polyurethane

ELECTRICAL SYSTEM

Voltage	12 volt
Battery	1 @ 750 CCA
Alternator	145 amp chassis
Circuit breakers	Resettable type

SIDE BROOMS

Type	Vertical steel digger
Location	Left and/or right, forward of pickup head
Diameter	26 in [660 mm]
Drive	Hydraulic torque motor
Wear adjustment	Automatic
Pressure	Manual
Speed	Variable, non-reversing
Segments	Bolt-on disposable; tempered steel wire filled
Tilt adjustment	Manual

HYDRAULIC SYSTEM

Type	Fixed displacement gear
Drive	Belt
Maximum pressure	2500 psi [173 bar]
Reservoir	8.4 gal [31.8 L]
Filter	10 micron, spin on
Protection	Pressure relief valve
Controls	Electro-hydraulic
Filter	80 mesh

PAINT

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

Note: Design and specifications subject to change without notice.

DUST CONTROL SYSTEM

Type	Electric diaphragm, run dry capable
Capacity	93 gal [352 L] standard opt. to 159 gal [601.8 L]
Tank construction	Polyethylene
Filter	50 mesh, cleanable
Fill diameter	4 in [102 mm]
Controls	Electric; in-cab
Nozzles	2 on each broom; 2 inside hopper
Optional	Hopper or front spray bar

PICKUP HEAD

Type	Blast to suction
Operating direction	Forward and reverse
Suspension	4 adjustable spring balanced
Length	80 in [2032 mm]
Hose Diameters	10 in [254 mm]
Controls	Hydraulic raise and lower
Skids	Tungsten carbide
Construction	Bolt in replaceable steel transitions.

FAN SYSTEM

Type	Closed-face radial
Drive	Banded belt
Construction	Hardox steel
Balance	1.5 grams on both sides
Diameter	24 in [610 mm]
Housing lining	Bolt-in corded rubber
Mounting	2 sealed bearings
Vacuum enhancer	For heavy/light material

CHASSIS

Model / type	NPR Gas
Manufacturer	Isuzu
Engine	GM V8 Vortec 6.0 Liter
Fuel	Gas, 30 Gal In Frame Tank
Air filter	Dry type; heavy duty
Standard GVWR	12,000 lb [5,443 kg]*
Optional GVWR	14,500 lb [6,577 kg]**
Transmission	6L90 6 speed automatic
Tires	(6) Tubeless steel-belted radials
	* 12,000 GWW
	** 14,500 GWW
Wheels	Steel construction
Steering	Integral power;
Brakes	Vacuum/hydraulic with 4-channel ABS



*On Standard Stainless Steel Hopper

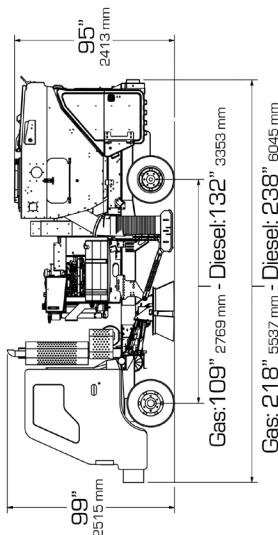
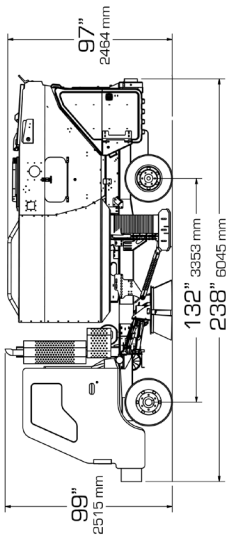
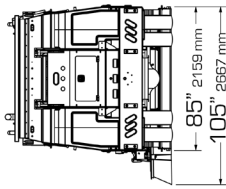
SuperVac Gale Force

4.5 Cubic Yard Parking Lot Sweeper



SuperVac Gale Force

4.5 Cubic Yard Parking Lot Sweeper



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

GENERAL SPECIFICATIONS

Total empty weight	10,480 lb (4753.64 kg)
Overall width	85 in (2159 mm)
Overall length	238 in (6045 mm)
Overall height	99 in (2515 mm)
Wheelbase	132.5 in (3365 mm)
Turning radius	20 ft curb to curb
Sweeping width (Head only)	82 in (2083 mm)
Sweeping width (1 broom)	103 in (2617 mm)
Sweeping width (2 brooms)	124 in (3150 mm)

STANDARD ENGINE

Type	QSF2.8 diesel Tier 4F
Manufacturer	Cummins
Displacement	171 cu in (2.8 L)
Brake horsepower	74 @ 2500 rpm
Cooling system	Liquid-cooled
Air cleaner	Dual element, dry-type with restriction indicator; centrifugal pre-cleaner
Safety shutdown	Three-point automatic
Instrumentation	Digital display tachometer; hourmeter; voltmeter; temperature; oil pressure.

DEBRIS HOPPER

Volumetric Capacity	4.5 cu yd. (3.4 cu m)
Construction	Stainless steel* (A36 carbon optional)
Dumping	Hydraulic to the rear
Dump door	Twin cylinder hydraulic
Inspection doors	1xpr side (10in x 24in)
Controls	In cab
Dumping height	77in
Dump angle	88 degrees
Dust separator	Centrifugal
Intake tube	Bolt-in AR steel

SWEeper WARRANTY

- 12 months / 1200 hours
- 60 month limited on hydraulics

PICKUP HEAD

Type	Blast to suction lateral transfer
Suction side	Left (Driver side)
Suspension	4 x adjustable springs
Construction	Single piece A36 steel formed channel
Width	82 in (2083 mm)
Suction diameter	10 in (254 mm)
Blast diameter	10 in (254 mm)
Skids	Carbide on adjustable side plates
Rubber flaps	2 x front; 1 x rear

SIDE BROOM

Type	Vertical steel digger
Diameter	39 in (991 mm)
Drive	Direct-drive hydraulic torque motor
Speed	Variable
Segments	4 x bolt-on disposable

FAN SYSTEM

Design	WhisperWheel™
Diameter	30 in (762 mm)
Type	Radial pressure backward incline
Drive	Banded belt
Construction	Hardox AR steel
Balance	Less than 1.5 grams
Housing liner	Bolt-in corded rubber

DUST CONTROL SYSTEM

Pump	Heavy duty electric diaphragm
Capacity	130 gal (Diesel chassis); 65 gal (Gas chassis)
Tank construction	Polyethylene
Filtration	Cleanable 50 mesh filter
Nozzles	Hopper; pickup head; side broom
Optional tank	45 gal

TOOL STORAGE

Location	Two at rear of sweeper
Capacity	17.25 cu ft (0.489 m³)
Latches	Lockable and adjustable
Shovel rack	2 x 2 inch tubes side to side

HYDRAULIC SYSTEM

Type	Fixed-displacement gear pump
Capacity	15 gal (57 L)
Drive	Direct mount to engine
Filtration	10 micron element
Hoses	Rough-service double wire

CONTROL SYSTEM

Location	In cab
Switches	Heavy-duty rocker
Labeling	International symbol
Throttle	Electronic
Vacuum enhancer	Electric actuator with indicator
Gauges	Tachometer; hour-meter; oil pressure; water temperature

CHASSIS (PRIMARY)

Make	Isuzu
Model	NPR HD
Type	Cab-over engine (COE)
GVWR/GCWR	14,500 lb / 20,500 lb (5152 kg / 9298 kg)
Engine	Diesel 215 hp turbo charged 4HK1-TC
Transmission	6 speed automatic with double overdrive
Frame	11.89 cu in section modulus
Tires	215/85R-16E (10 ply)
Wheels	6 hole steel disc
Brakes	Vacuum / hydraulic with 4 channel ABS
Steering	Integral hydraulic with tilt & telescopic
Electrical	12 volt
Alternator	140 amp
Batteries	Dual 750 cca
Exhaust	Vertical

PAINT

Hopper	DuPont Imron Elite
Underbody	Textured black urethane

SAFETY EQUIPMENT

- Hopper safety props
- 4 way LED flashing lights
- Dual rear facing strobes
- Rear view camera system
- Back-up alarm
- Optional: strobes; beacons; arrow boards

Note: design and specifications subject to change without notice.

Road and Asphalt Repair Patchers



Patchers

Road and Asphalt Repair Units

Repairs:

- Potholes
- Alligator Cracks
- Utility Cuts
- Shoulder Work
- Depressions
- Edge Raveling

Roadpatcher™

Mounts on various cabover chassis to meet requirements

Spray Patcher Street Max

Fed from a standard dump body with pintle hitch

Spray Patcher Load King

Self contained unit carries its own aggregate and emulsion, and can be towed with a one-ton pickup

AUXILIARY ENGINE

Manufacturer	Perkins T4F	Deutz T4F	Perkins T4F
Model	404F-E22TA	TD2.9	404F-E22TA
Horsepower	67 HP @ 2600 rpm	74 HP @ 2600 rpm	67 HP @ 2600 rpm
Starting system	Electric	Electric	Electric
Charging system	12 volt; 85 amp	12 volt; 85 amp	12 volt; 85 amp
Battery	12 volt; 550 cca	12 volt; 550 cca	12 volt; 550 cca
Fuel tank	40 gallon	40 gallon	40 gallon

BLOWER SYSTEM

Type	Lobe-Type Air Blower	Lobe-Type Air Blower	Lobe-Type Air Blower
Drive	Direct Drive	Direct Drive	Direct Drive
Output	435 cfm	670 cfm (18.97 cubic meters per minute) @ 2200 RPM	435 cfm
Dimensions	4 in x 6 in (102 mm x 152.4 mm)	5 in x 5 in (127 mm x 127 mm)	4 in x 6 in (102 mm x 152.4 mm)

AGGR. DELIVERY HOSE

Type	Rubber lined, abrasion resistant, spiral reinforced, non-kinking	Wire reinforced, flexible, gum lined tri-folding system	Rubber lined, abrasion resistant, spiral reinforced, non-kinking
Inner diameter	2 1/2 in (63 mm)	4 in (101.6 mm)	3 1/2 in
Hose length	35 ft	19 ft	19 ft
Maximum flow	150 lbs per minute	150 lbs per minute	125 lbs per minute

AGGREGATE HOPPER BODY

Capacity	6.5 cu yd	2 cu ft	2 cu yd
Cover	n/a	n/a	Nylon/Hinged Metal Doors
Conveyance	Conveyer to air lock air flow system	Venturi air flow system	Gravity fed with vibration assist; Venturi air flow system
Construction	10 gauge Steel	10 gauge Steel	10 gauge Steel
Fill opening	9'10" x 6'10"	n/a	5'3" x 5'3"

EMULS. STORAGE & DEL.

Emulsion capacity	300 to 400 gallon	300 gallon	100 gallon
Compressor	18 cfm	12 cfm	12 cfm
Delivery pressure	70psi	70psi	70psi
Heating element	110 volt, 2000 watt; thermostatically controlled	110 volt, 2000 watt; thermostatically controlled	110 volt, 2000 watt; thermostatically controlled
Nozzle temp	160°F	160°F	160°F
Flush Tank Capacity	30 gallon	30 gallon	30 gallon
Tank Insulation	Polyurethane Foam	Polyurethane Foam	Polyurethane Foam
Insulation R-Value	20	20	20

SAFETY EQUIPMENT

Lighting	Amber LED strobe light;	Amber LED strobe light;	Amber LED stobe light;
Signage	Slow moving vehicle emblem; warning triangle; optional directional arrow board	Slow moving vehicle emblem; warning triangle; optional directional arrow board	Slow moving vehicle emblem; warning triangle; optional directional arrow board
Alarm	Backup alarm	Backup alarm	Backup alarm
Fire	5 lb fire extinguisher	5 lb fire extinguisher	5 lb fire extinguisher

PAINT

Application	One coat sealer/primer; two coats polyurethane	One coat sealer/primer; two coats polyurethane	One coat sealer/primer; two coats polyurethane
Brand	Axalta Imron Elite	Axalta Imron Elite	Axalta Imron Elite
Color	Standard white	Standard yellow	Standard yellow

Note: Design and specifications subject to change without notice.



Schwarze is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Schwarze.



The People You Know. The Products You Trust.

Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

Schwarze Industries, Inc.
1055 Jordan Road, Huntsville, AL 35811
800.879.7933 - www.schwarze.com