

GENERAL SPECIFICATIONS

GVWR	33,000 lbs
Wheel base	140 in
Overall length	24 ft 7 in
Overall width	8 ft 6 in
Sweeping path (two gutter brooms)	11 ft
Overall height	10 ft 6 in
Turning radius	21 ft
Axle capacity – front	12,000 lbs
Axle capacity – rear	21,000 lbs
Suspension type	Air ride

GUTTER BROOM

Type	5 segments
Diameter	44 in
Wearing edge	Steel
Speed	Constant (optional variable)
Flexibility	Free floating and sideways oscillation
Drive	Direct hydraulic w/ relief valve protection
Adjustment	In cab tilt, forward, reverse, and lift
Lift control	Hydraulic
Broom material	Flat wire

PICKUP BROOM

Diameter	44 in
Length	60 in
Type	Heavy duty Polypropelene
Lift	Hydraulic cylinders activated from cab
Suspension	Independent hydraulic pressure control
Control	StreetSmart™ system
Drive	Direct drive hydraulic
Mounting	Full Floating
Speed	Variable
Down Pressure	Variable

DIRT CONVEYOR

Type	Squeegee with replaceable flights
Width	60"
Clearance	Adjustable 4" – 10"
Flexibility	Oscillation for large objects
Drive – forward & reverse	Direct drive hydraulic
Adjustment	Self-tensioning
Lift control	Hydraulic
Elevator jam warning device	In cab audio/visual
Cleaning	Built-in hydrant flush

DIRT HOPPER

Capacity, volumetric	5 yds
Material volume	4 yds
Hopper and dump controls	Hyd. in cab
Dump Height	Variable 24" – 138"
Maximum hopper dump angle	48°
Lift mechanism	Double scissors
Design lift capacity	12,000 lbs

WET DUST CONTROL SYSTEM

Capacity of tank	340 gallon
Water fill hose length	20 ft
Pump	Hydraulic

Spray nozzles	Bumper, gutter brooms, main broom
Controls	Electronic
Filter	In-line, 100 mesh
Water tank	Polyethylene

ENGINE*

Make	Isuzu
Type	Diesel
Displacement	7.8L (475 cu in)
Bore	4.53 in
Stroke	4.92 in
Horsepower	215 hp @ 2200 rpm
Torque	560 lb ft @ 1450 rpm
Fuel Control	Electronic High Performance Common Rail with Pilot Injection

Engine accessories	Block heater, 160 amp alternator, dual batteries, dual element air cleaner, oil cooler, fast idle, engine hour meter, heated fuel water separator, cruise control and slow speed throttle lock
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Warnings	Low coolant level, low oil pressure, air cleaner restriction, coolant temp, voltmeter
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FUEL TANK

Capacity	70 gallons (2 x 35gal)
Type	Twin Tank with equalizer

AUXILIARY ENGINE

Make	John Deere Power Tech
Type	Turbocharged Diesel
Configuration	5 cylinder, 4 cycle
Displacement	3.05L (186 cu in)
Horsepower	99 hp @ 2,800 rpm
Torque	243 lb-ft @ 1,400 rpm
Compression Ratio	18:2:1
Air Cleaner	Dual stage dry type

VEHICLE HYDRAULIC SYSTEM

Pump	PFC pump, 37 gpm
Drive	Direct drive off auxiliary engine
Controls	Electric over Hydraulic
Backup	12 volt emergency back-up pump

POWER TRAIN*

Allison 2500 RDS (Rugged Duty Service)	5 speed
automatic transmission with manual range selection or automatic shifting in 5 forward speeds.	
Oil to air oil cooler.	

Rear axle	Two Speed
Vehicle governed speed	55 mph

STEERING*

Dual steering featuring integrated cross shaft connection.

WHEELS*

Number	2 front, 4 rear
Type	Heavy-duty disk

Gladiator Street Sweeper Specifications

2009

(Dual Engine Mechanical Sweeper)

HYDRA-KOOL

Oil Cooler	Hydraulic driven fan built-in
Reservoir Capacity	20 gal
Filter	Hi-flow integral 10 micron filter
Safety	Electronic temperature and level sensor
Features	Compact design, efficient oil cooler and filter

TIRES* (Tubeless Radials)

Front	11 R 22.5 G
Rear (dual)	11 R 22.5 G

BRAKES*

Service	4 wheel air assist
Type	Meritor, Q series
Parking	Air release, spring activated

ELECTRICAL SYSTEM*

12-volt negative ground system with 160 Amp alternator driven by propulsion engine. Two batteries (1500 CCA total), located rear of the cab. All sweeper circuits protected by fuses, activated by ignition switched constant duty solenoid (except lights, emergency flasher and brake backup system). All chassis circuits protected by fuses and manual reset circuit breakers.

LIGHTING SYSTEM*

DOT required lights plus various option packages

CAB*

Forward tilting, torsion assist. Suspended at 4 locations to frame by isolation mounts. Double wall doors. Power window on passenger side. Door latches with key lock. Dual electric windshield wipers. Windshield washer, fresh air heater and defroster; air conditioning, dual air ride seats & seat belts; Sun visors. All vehicle controls in cab on dash or center console. Tinted safety glass throughout. Dual tilt and telescopic steering wheels, throttle pedals, brake pedals, turn indicator lights. Dual rear view mirrors consisting of 7 inch x 16 inch and 8 inch round, all mounted on doors (one on each side); Front panels and inner fenders are molded fiberglass

INSTRUMENTATION *

Fuel gauge, coolant temperature gauge, oil pressure gauge, voltmeter, speedometer-odometer, tachometer. Dual instrumentation.

PAINT

Standard color	White
Optional color	(Call to Ask)

MISCELLANEOUS OPTIONS AVAILABLE

Carbide drag shoes. Various rotating, flashing, strobe warning lights. Rear mounted flashing arrow stick. Auto-Lube. 1-3 Color Camera kit with LCD monitor. DOT spec safety kit. Left side gutter broom. Gutter broom lights. Hydrant Conveyor Flush. Custom paint color and graphics.

Contact Wayne Sweepers for further options and details.

Refer to the Options section of the Price List for specific option details and pricing.

WARRANTIES

Sweeper (including parts and labor)	1 year/1200 hrs
Debris conveyor	2 years/2000 hrs
Water tank (polyethylene)	5 years/5000 hrs
Scissors (hopper lift)	2 years/2000 hrs
Cab	2 years/Unlimited Miles
Cab (corrosion)	5 years/Unlimited Miles
Engine	3 years/Unlimited Miles
Frame	5 years/Unlimited Miles
Rear axle	5 years/Unlimited Miles
Transmission	3 years/Unlimited Miles
Auxiliary Engine	1 year/Unlimited Hours
-or-	2 years/Less than 2000 Hours

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(Specifications subject to change without notice)
(Refer to separate chassis specifications list for more detailed chassis related specs.)

**See detailed Chassis specifications for more details.*

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