



Specially built for the most demanding jobs. Yet, cleverly designed to be the least demanding to operate.

The Elgin® Road Wizard® is making a clean sweep across the nation, featuring a simplified, dual-engine design that offers the best of both worlds: increased operator efficiency and productivity, along with the latest technology for superior results.

Mounted on a commercial cab-over chassis equipped with a 200 hp engine, and a five-speed-overdrive automatic transmission, the Road Wizard reaches a top speed of 65 mph on the highway. The sweep system is powered by an 80 hp John Deere®4045 diesel engine, the largest standard auxiliary engine available on a mechanical sweeper.

The availability of a cab-over chassis provides excellent forward visibility, and gives operators a great vantage point for dumping operations. Other chassis configurations, and a skid model version for mounting on a customer's chassis, are also available.



The control console, located between the operator stations, provides quick, easy access. All sweep function switches have tactile-feel surfaces, so operators can work the panel while keeping their eyes forward, for added safety and efficiency.

With dual free-floating gutter brooms that adjust to variable road surfaces, a sweep path of 14-feet, and a powerful, free floating direct-drive main broom, you are ensured reliable pickup and a highly productive sweeper. Superior dust control is maintained through an in-cab controlled, dual water pump system and a 340 gallon water tank.

The Road Wizard's large hopper features a double-scissors lifting mechanism that is center-mounted for greater stability, rigidity and trouble-free operation. Plus, its dumping height is adjustable up to 11-feet.





Conventional Chassis

Available for mounting on conventional style chassis if preferred.



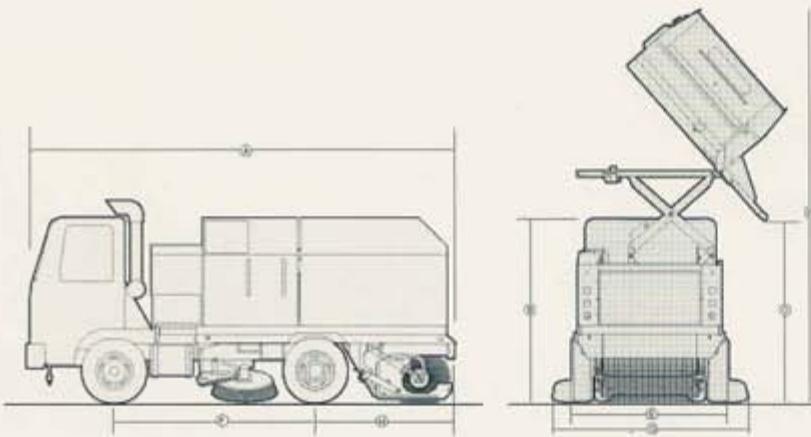
Camera System

Camera system, strategically mounted to monitor sweep functions, dumping, and backup movements.



Skid

Available to ship as skid and mount locally on conventional or cab-over chassis.



Basic Specifications

Weight, empty: 20,000 lbs (9,216 kgs)
 Width (side brooms retracted): 8'
 Sweep path with 2 brooms: 10'
 Axle capacities:
 • Front: 12,000 lbs (5,455 kgs)
 • Rear: 20,000 lbs (9,090 kgs)
 • GVWR: 32,000 lbs (14,528 kgs)

Dimensions (on Sterling SC8000 Chassis)

A. Overall length: 22' 7"
 B. Height: 9' 6"
 C. Dump height at chute: 11'
 D. Fully extended hopper height: 21' 9"
 E. Body width: 8'
 F. Wheelbase: 10' 8"
 G. Width: 10' 7"
 H. Rear overhang: 91"
 Turning Radius: 18' 7"

Additional Options

- In-cab, side broom down pressure control
- In-cab, main broom down pressure control
- In-cab, elevator speed control
- Main broom spray bar
- Water system line purge
- Strobe lamp
- Arrow board
- Automatic lubrication system
- Fire extinguisher
- Camera system

Value Added Services

- Elgin's commitment to the customer continues long after the sale.
- On-time delivery
 - Factory-trained worldwide dealer network
 - Genuine Performance Matched Parts
 - Elgin Training Center
 - Customized leasing and financial services
 - Highest resale value in the industry

Warranty

Elgin Sweeper Company backs the Road Wizard sweeper with a one-year limited warranty. The Road Wizard is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty information.

Your local Elgin Dealer is:

1300 West Bartlett Road • Elgin, Illinois 60120-7529
 Phone: 847-741-5370 • Fax: 847-742-3035
 E-mail: sales@elginsweeper.com • www.elginsweeper.com

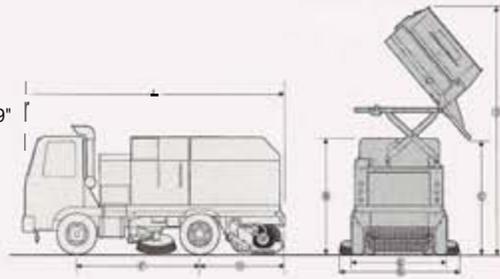
Dimensions (on Sterling SC8000 Chassis)

Basic Specifications

Weight, empty: 20,300 lbs (9,216 kgs)
Width (side brooms retracted): 8'
Sweep path with 2 brooms: 10'
Axle capacities:

- Front: 12,000 lbs (5,455 kgs)
- Rear: 21,000 lbs (9,545 kgs)
- GVWR: 33,000 lbs (15,000 kgs)

A. Overall length: 22' 7"
B. Height: 9' 6"
C. Dump height at chute: 11'
D. Fully extended hopper height: 21' 9"
E. Body width: 8'
F. Wheelbase: 127"
G. Width: 107"
H. Rear overhang: 91"
Turning Radius: 18' 7"



Sweep System Power

Engine

Make: John Deere 4045
Type: In-line 4-cycle diesel
Displacement: 276 in³ (4.5 l)
Horsepower: 80 (60 kw) @ 2500 RPM
Torque: 215 lb ft (323 nm)
Fuel tank capacity: Common 62 gals (235 l)

Standard Accessories

Heavy duty, dry-type dual-stage air cleaner in-line pre-cleaner

Auto shutdown:

- High temperature
- Low oil pressure

Sweeper Instruments and Controls

- Tachometer with hour meter
- Engine oil pressure gauge
- Engine coolant temperature gauge

Warning lamps and buzzers: Low hydraulic oil, low engine oil pressure, conveyer stall

Warning lamps: Hydraulic oil temperature, hydraulic filter restriction, high coolant temperature, low spray water, broom position, hopper position

Sweep System Components

Main Broom

Diameter: 35" (889 mm)
Length: 60" (1,524 mm)
Type: Prefab disposable Polypropylene filled
Core diameter: 8" (204 mm)
Suspension: Hydraulic with automatic wear compensation
Lift control: Hydraulic
Mounting: Full-floating trailing arm
Speed: Variable with engine RPM
Bearings: Sealed, self-aligning
Pressure gauge: In engine compartment

Side Broom

Diameter: 44" (1,188 mm)
Type: Disposable 40.5 segment, plastic
Speed: Variable with engine RPM
Lift control: Hydraulic
Suspension: Hydraulic with automatic wear compensation
Adjustment:

- Inward/outward
- Forward/backward

Conveyer

Type: 11-flight squeegee reinforced belt-drive
Lift control: Hydraulic
Clearance: Lifiable to 12" (305 mm) for bulk object passage
Drive: Reversible hydraulically-driven steel chain on urethane sprockets.

Hopper

Capacity volumetric: 5.45 yd³ (3.5 m³)
Material volume: 3.8 yd³ (2.66 m³)
Dumping: Right side
Lift control: Hydraulic, in-cab
Maximum dump height: 132" (3,353 mm) at bottom of chute
Minimum dump height: 20" (508 mm) at bottom of chute
Lifting method: Twin Hydraulic cylinder, two-stage scissors
Lift capacity: 12,000 lbs (5,448 kgs)
Maximum dump angle: 48 degrees

Hydraulic System

Pump: Tandem gear
Capacity: 24 GPM @ 1200 RPM
Reservoir: 70 gal (264 l)
Inlet strainer: 100 mesh
Return filter: 40 micron
Breather: 10 micron
Cooler: Externally mounted
Valves: Electro-hydraulic

Spray Water System

Tank construction: Polyethylene, removable
Tank capacity: 340 gals (1285 l)
Pump: Electric diaphragm, 3 GPM
Spray nozzles:

- 6 on front bumper
- 3 on each gutter broom
- 3 on main broom

Filter: 80 mesh
Fill: Hydrant fill hose with air gap

Sweeper Electrical System

Sweeper engine alternator: 120 amp
Circuit breakers: Manual reset
Wiring: Function/number hot-stamped
Wire connections: All soldered

Available Enhancements

- In-cab, side broom down pressure control
- In-cab, main broom down pressure control
- In-cab, elevator speed control
- Main broom spray bar
- Water system line purge
- Strobe lamp
- Arrow board
- Automatic lubrication system
- Fire extinguisher
- Camera system
- Broom raise in reverse

Warranty

Sweeper: 1-year parts and labor
Chassis and sweeper engine: Consult factory

Paint

Body: High-gloss white polyurethane
Undercarriage: Black acrylic enamel

Your Elgin Dealer is:



Chassis

Sterling SC8000 or Freightliner FL70
Contact your Elgin Dealer for detailed chassis specifications.



Elgin Sweeper Company
1300 W. Bartlett Rd.
Elgin, Illinois, U.S.A. 60120-7529
847-741-5370 Phone
847-742-3035 Fax
www.elginsweeper.com

Road Wizard

Price Summary

Part Number	Description	Quantity	Price
1035572	Fire Ext.2.5 Ibs JFMV	1	
1076932	AMIEM/CD Radio RW J	1	
1080160	Road Wizard/Cab Over	1	
1087585	Single Beacon w/Guard, Wire/Mount PS	1	
4810001	Paint Sweeper Elgin std white	1	
4820001	Cab to Remain Std White	1	
6206306	Mounting SC RW	1	
6207141	Oper./Service Manual RW	1	
6207151	SB Tilt Left RW	1	
6207795	SB Down Press. Control RW	1	
6207796	SB Tilt Right RW	1	
6207820	Hyd Filter Restrict Gauge RW	1	
9306848	13 Triangle Reflectors	1	
9999506	Freight to Florida	1	
Sweeper Price		1	\$ 130,653.00

Available Options for the Road Wizard/Cab O''~

Part Number	Description	Price
6206000	Conveyor speed control RVV	\$ 450.00
1080150	Heated Remote Control Mirrors RW	\$ 1,030.00
1061195	Hourmeter SC RW	\$ 260.00
1081086	AutoLube SC/Swpr RW	\$ 7,220.00
1081085	AutoLube Swpr Dual RVV	\$ 6,450.00
6207870	M/Hyd Temp Shutdown RVV	\$ 495.00
6207813	M/Low Cool Lvl Shutdown RW	\$ 485.00
1079946	Sterling Chassis RW ****	\$ 55,744.00
1061887	Dual Air Horns	\$ 665.00
1065157	Dual Electric Horns	\$ 150.00
1061291	Engineair, 300 Precleaner	\$ 620.00
1066236	Heater/Press/Fiber	\$ 2,810.00
1085852	AM/FM Radio w/CD SC FL	\$ 690.00
1079479	Extra Ignition Key SC8000 RW	\$ 10.00
1076932	AM/FM/CD Radio RVVJ	\$ 690.00
1063447	Transmission Oil Cooler F	\$ 1,350.00
1076530	Blue Stripe Hose SC	\$ 865.00
620786	Conveyor Belt Drive	\$ 0.00
1048642	Slow Moving Veh Emb F	\$ 60.00
6206021	Water Tank LevI Gauge RW	\$ 720.00
6207820	Hyd Filter Restrict Gauge RVV	\$ 40.00
6207141	Oper./Service Manual RW	\$40.00
700806	Sterling Parts Book	\$ 130.00
700807	Sterling Service Manual	\$ 315.00
700805	Sterling Operator Manual	\$ 20.00
1087585	Conw/Guard, Wire/Mount PS	\$ 585.00
1048467	Strobe - Whelen	\$ 310.00
6207819	Traffic Manager SY810 RW	\$ 1,220.00
6207818	(4) Oval LED Body Flash. RVV	\$ 540.00
1048468	Beacon Light - Fed. Sig.	\$ 140.00
6207836	Arrow Stik 770C RVV	\$ 750.00
1071626	Paint all Wheels	\$ 745.00
1035641	Reflectors, Set of 6 F	\$ 50.00
9306848	3 Triangle Reflectors	\$ 50.00
6207817	Rear 5 lb Fire Ext. RVV	\$ 165.00

1035572	Fire Ext.2.5 lbs JFMV	\$ 115.00
6207816	In-cab 5 lb Fire Ext., RW	\$ 220.00
1061726	1 HiBack Boström905 ClothSeat	\$ 660.00
1061725	2 HiBack Boström905 ClothSeat	\$ 1,325.00
1061293	1 Boström 905 Vinyl Seat	\$ 660.00
1061292	2 Boström 905 Vinyl Seats	\$ 1,325.00
6207796	SB Tilt Right RW	\$ 1,230.00
6207151	SB Tilt Left RW	\$ 1,230.00
6207802	Carbide Drag Shoes DRM RW	\$ 525.00
6207797	MB Down Press. Control RW	\$ 1,190.00
6207187	Leaf Deflector RW	\$ 415.00
6207803	Rubber Drag Shoes RW	\$ 145.00
1081129	Conveyor MasterBypass RW	\$ 230.00
6207795	SB Down Press. Control RW	\$ 1,105.00
6207806	Centrix Air Preclean. RW	\$ 460.00
6206007	Ether Start Assist RW	\$ 365.00
6207805	Coolant Filter RW	\$ 220.00
1078875	Aux Engine Block Heater F, FW, W	\$ 290.00
6207810	Extra Aux. Eng. Key RW	\$ 20.00
1081901	Spare Wheel&Tire FL & SC	\$ 735.00
1087551	Tool Kit ALL	\$ 495.00
1036150	Hydrant Wrench ALL	\$ 60.00
6660066	F RW 5th Yr Parts ****	\$ 3,280.00
6660012	F RW 2nd Yr Parts & Labor ****	\$ 1,608.00
6660013	F RW 2nd Yr Parts ****	\$ 964.00
6660063	F RW 3rd Yr Parts ****	\$ 1,832.00
6660040	F RW 5thYr Parts & Labor ****	\$ 5,464.00
6660065	F RW 4th Yr Parts ****	\$ 2,604.00
6660032	F RW 3rd Yr Parts & Labor ****	\$ 3,052.00
6660064	F RW 4th Yr Parts & Labor ****	\$ 4,340.00
1080989	V-ire Mount Rear	\$ 170.00
1081646	Rear Beacon Mounting Center	\$ 270.00

**** Chassis and Warranties at cost No Additional Discount