

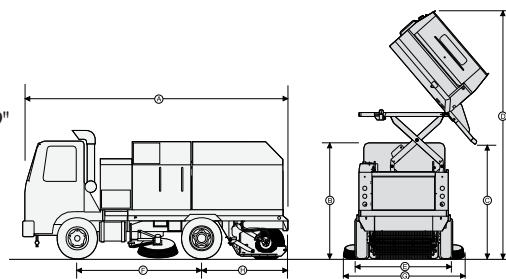
Dimensions (on Sterling SC8000 Chassis)

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: 10' 7"
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 (296 N.m)
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 chain drive
Lift control: Hydraulic
Clearance: Liftable to 12" (305 mm) for bulk object passage
Drive: Reversible hydraulically-driven steel chain on urethane sprockets

Hopper

Capacity volumetric: 5.45 yd³ (4.16 m³)
Material volume: 3.8 yd³ (2.9 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: 2 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
- Belt drive squeegee

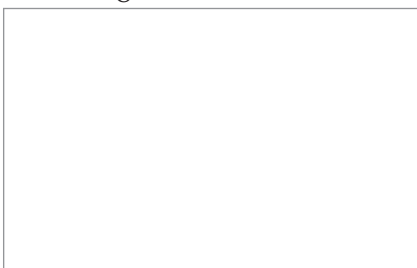
Warranty

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

Paint

Body: High-gloss white powdercoat
Undercarriage: Grey powdercoat

Your Elgin Dealer is:



Chassis

Contact your Elgin Dealer for detailed chassis specifications.



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