

Dimensions (on Sterling SC8000 Chassis)

Basic Specifications

Weight, empty: 20,300 lbs (9,216 kgs)

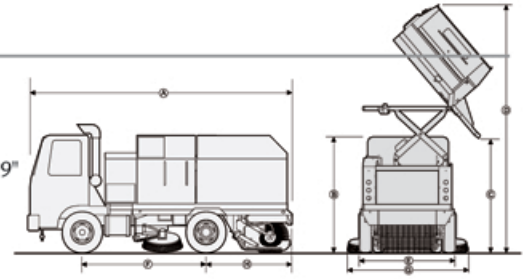
Width (side brooms retracted): 8'

Sweep path with 2 brooms: 10'

Axle capacities:

- Front: 12,000 lbs (5,455 kgs)
- Rear: 21,000 lbs (9,545 kgs)
- GVWR: 32,000 lbs (14,528 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 (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
- Broom raise in reverse

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: 50" (1,270 mm)

Type: Disposable segment

Speed: Variable with engine RPM

Lift control: Hydraulic

Suspension: Hydraulic with automatic wear compensation

Adjustment:

- Inward/outward
- Forward/backward
- Broom raise in reverse

Conveyer

Type: 9-flight chain drive squeegee

Lift control: Hydraulic

Clearance: Liftable to 12" (305 mm) for bulk object passage

Drive: Reversible hydraulically-driven metal sprockets with replaceable, hardened teeth

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

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
- 9-Flight belt drive squeegee

Warranty

Sweeper: 1-year parts and labor

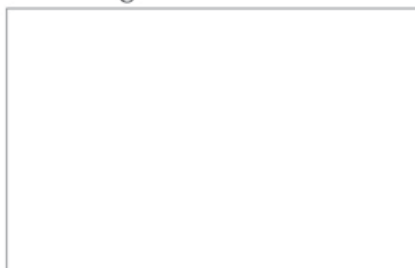
Chassis and sweeper engine: Consult factory

Paint

Body: High-gloss white polyurethane

Undercarriage: Grey powder coat

Your Elgin Dealer is:



Chassis

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



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