**Sweep System–Power**

**Engine**
- Make: John Deere 4045
- Type: 4 cylinder, diesel
- Displacement: 276 cu in (4.5L)
- Bore: 4.16 in (106.43 mm)
- Stroke: 5.0 in (127 mm)
- Compression ratio: 19:1
- Horsepower: 74 HP (55 kW) @ 2,400 RPM
- Torque: 195 ft-lbs (265 Nm) @ 1,700 RPM
- Fuel tank capacity: 50 gal (190 L)

**Sweep System–Components**

**General Specifications**
- Sweeping path:
  - Main broom only: 60 in (1524 mm)
  - Main broom and one side broom: 90 in (2286 mm)
  - Main broom and two side brooms: 120 in (3048 mm)

**Main Broom**
- Diameter: 35 in (889 mm) Length: 60 in (1524 mm)
- Type: Prefab, disposable, polypropylene filled
- Core diameter: 8.5 in (216 mm)
- Digging pressure & wear control: Pneumatic, in-cab
- Lift control: Pneumatic, in-cab
- Drive: Hydraulic motor/direct drive
- Mounting: Full floating, trailing arm, with shocks
- Speed: Variable with auxiliary engine RPM
- Bearings: Sealed, self-aligning, re-lube
- Pressure gauge: In-cab

**Gutter Broom**
- Type: 5 segment nylon disposable with wire fill
- Diameter: 42 in (1067 mm)
- Disc construction: Steel plate
- Speed: Variable independent of auxiliary engine RPM
- Flexibility: Spring biased sideways oscillation
- Drive: Direct hydraulic, reversible, from cab
- Mounting: Free floating, trailing arm
- Adjustment: Inward, outward/forward, backward
- Digging pressure/wear control: Pneumatic, from cab
- Lift control: Pneumatic lift with hydraulic extend
- Broom material: 26 in (660 mm) wire

**Available Enhancements**
- Extended Warranty on sweeper
- Strobe light
- Rotating beacon
- Light protector for beacon or strobe
- Fire extinguisher
- Carbide/rubber dirt shoes
- Front spray bar
- Arrowboard
- In-cab side broom tilt with visual indicator

**Paint**
- Powder Coat:
  - Undercarriage in standard Elgin gray
  - Body in choice of 186 colors
- Consult factory for color chart

**Chassis**
- Contact your Elgin dealer for detailed specifications.

**Hydraulic System**
- **Sweep System Pump:** Three section gear drive with dual inlet
- **Capacity:** 26 GPM (98 LPM) @ 2500 RPM
- **Dust Control System:** Pump Single Section
  - Piston: 25 GPM (LPM) @ 2500 RPM
- **Fittings:** 'O’ ring seal type
- **Reservoir capacity:** 32 gal (121 L)
- **Reservoir level:** Externally readable
- **Inlet strainer:** 100 mesh
- **Filter, return:** 10 micron, full flow with bypass
- **Filter restriction indicator:** In-cab
- **Breather:** 10 micron, spin-on

**Wet Dust Control System**
- **Tank construction:** Polyethylene, removable
- **Tank capacity:** 320 gal (1210 L)
- **Fill hose:** Anti-siphon, 16 ft 8 in (5080 mm) with strainer and 2.5 in (64 mm) NST coupling
- **Wash down:** Lower conveyor
- **Conveyor Brusher:** Built-in cascade-type
- **Pump:** Centrifugal, 6 GPM @ 80 psi (22.7 LPM @ 5.8 bar)
- **Broom dust control atomizing nozzles**
- **Controls on/off in-cab**
- **Non corrosive housing:** 100 mesh screen

**Dry Dust Control System**
- **Centrifugal dust evacuation fan:** Large envelope filter with hydraulic shaker for dust removal.
- **Dust control skirts on side and main brooms. Dust separator screen in hopper.**

**Warranty**
- **Sweeper:** 1 year parts and labor
- **Chassis & Aux. Engine:** Consult factory

**Your Elgin Dealer is:**

Elgin Sweeper Company
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Specifications subject to change without notice.
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