**Sweep System Components**

### Basic Specifications

**Approximate weights:**
- One side broom: 21,000 lbs. (9454 kgs)
- Two side brooms: 21,300 lbs. (9682 kgs)
- Rear overhang: 7'10" (2388mm)
- Cab: 108" (2743)
- Sweeper Length: 12'10" (3912mm)
- Width outside side broom drive: 8'0" (2483 mm)

**Sweeping paths:**
- One side broom: 8'5" (2591 mm)
- Two side brooms: 10'0" (3048 mm)
- Two side brooms: 12'0" (3658 mm)

**Axle capacities:**
- Front: 10,000 lbs. (4545 kgs)
- Rear: 23,000 lbs. (10,454 kgs)
- Total GVWR: 33,000 lbs. (15,000 kgs)

### Side Broom

- **Type:** 4 or 5 segment plastic disposable
- **Diameter:** 44" (1188 mm)
- **Wearing edge:** Steel disc (to take curb contact wear)
- **Constant forward Speed**
- **Flexibility:** Free-floating and full sideways oscillation
- **Drive:** Full hydraulic
- **Adjustment:** Adjustment for tilt, pressure and wear
- **Lift control:** Pneumatic
- **Broom material:** 26" wire (660 mm)

### Main Broom

- **Diameter:** 34 1/2" (876 mm)
- **Length:** 58" (1473 mm)
- **Dispensable core:** Polypropylene
- **Control hydraulic lift:** Drive
- **Drive hydraulic motor:** with chain and sprocket
- **Mounting:** Full-floating
- **Speed:** Constant
- **Bearings:** Self-aligning

### Dirt Conveyor

- **Type:** Squeegee with replaceable rubber edging
- **Material:** Elevator bottom: Bolt-in 2 piece abrasion resistant steel plates
- **Constant forward Speed**
- **Flexibility:** Lift independent (for large object passage)
- **Drive:** (forward and reverse) Hydraulic motor
- **Adjustment:** Hydraulic chain adjustment
- **Lift control:** Hydraulic (independent of rear broom)
- **Bearings:** Self-aligning
- **Elevator chain:** Constant radius chain and sprocket
- **Steel chain on urethane sprockets**

### Dirt Hopper

- **Capacity:** 350 gallons (1325 L)
- **Water fill hose:** 15" (4572 mm) with 2.5" (64 mm) NST hydrant coupling
- **Pump:** Electric centrifugal type
- **Spray nozzles:** Across front bumper and over each gutter broom
- **Controls:** Independent valves
- **Filter:** Plastic housing - fine mesh screen
- **Water tank:** Corrosion resistant with manhole cover

### Engine

- **Make in:** Freightliner Cummins ISC
- **Type:** 6 cylinder
- **Horsepower:** 240 @ 2200 RPM
- **Torque:** 560 lb. ft. (898 Nm)
- **Engine accessories:** Engine mounted lube-oil cooler, centrifugal water pump, spin-out fuel filter, spin-on oil filter, oil fill and level

### Fuel Tank

- **Capacity:** 45 U.S. gallons (170 L)

### Power Train

- **Allison automatic “World Transmission” model:** RDS 3500 with push button range selection with automatic shifting in 5 forward speeds.
- **Rear axle 2-speed**
- **Vehicle governed speed:** 58 mph (95 kph)

### Vehicle Hydraulic System

- **Pump:** Variable displacement piston type with controlled flow for all rotation and lift functions, load sensing
- **Steering:** Power assisted recirculating ball gearbox with direct coupled manual steering capacity.
- **Wheels:**
  - Front 10 stu. hub piloted steel disc, 22.5"/8.25" rims
  - Rear 10 stu. hub piloted steel disc, 22.5"/8.25" rims
  - Type 10 hole heavy-duty disc
- **Brakes:**
  - Service: 4 wheel air
  - Parking: Spring applied rear wheel - Drum and Shoe

### Electrical System

- **Engine: Electric centrifugal type**
- **Hood and Fenders:** Steel disc (to take curb contact wear)
- **Hood:** Full-floating
- **Free floating and full sideways oscillation**
- **Data sheet:** 58 mph (95 kph)
- **Transmission:** Across front bumper and over each gutter broom

### Instrumentation

- **Fuel gauge, coolant temperature gauge, oil pressure gauge, voltmeter, speedometer/odometer, tachometer, transmission temperature, and hour meter.**

### Hood and Fenders

- Utilized, corrosion resistant, molded and reinforced fiber-glass and forward tilting.

### Paint, Sweeper Body

- Elgin White Powder coat finish

### Miscellaneous

- Combination operator and maintenance manual and parts book

### Options

- Spray bar in front of main broom
- Elevator jam warning device
- Hydrant wrench
- PM-10 Compliant
- Additional Body Colors

### Warranties

- Chassis OEM supplied
- Engine OEM supplied
- Transmission OEM supplied
- Rear axle OEM supplied
- Sweeper 1 year parts and labor

Extended warranty for sweeper components available.
Contact factory for details. Consult your local Elgin dealer for details on all OEM supplied warranties. Specifications are subject to change without notice and without responsibility to units previously sold.

The ESC warranty shall not apply to major components or trade accessories such as, but not limited to, trucks, engines, hydraulic pumps and motors, tires and batteries that have a separate warranty by the original manufacturer.

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**Your local Elgin Dealer is:**

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