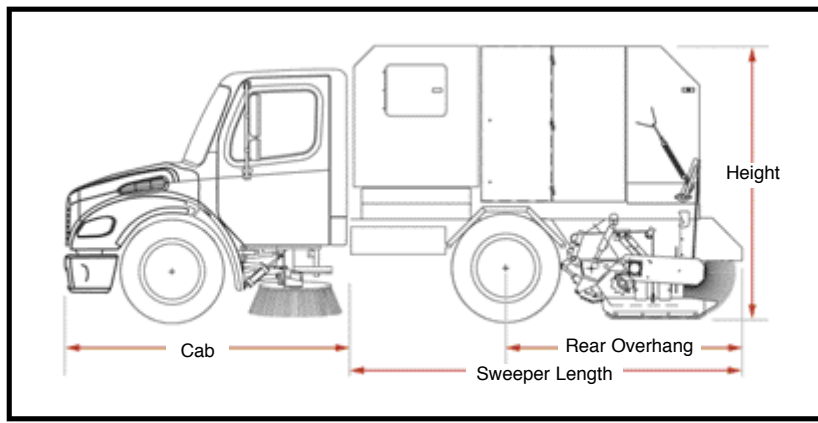


## Sweep System - Components



### Basic Specifications

#### Approximate weights:

One side broom	21,000 lbs. (9545 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 (retracted) 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)
Height	9'10" (2743)
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)

**Speed** Constant forward

**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)

Replaceable, polypropylene broom material 26" (660 mm)

**Control** Hydraulic lift

**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

**Speed** Constant, forward and reverse

**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

**Elevator jam warning device** (optional) Panel-mounted

### Dirt Hopper

**Capacity, volumetric** 4.5 yd<sup>3</sup> (3.4 m<sup>3</sup>)

**Material volume** 3.3 yd<sup>3</sup> (2.5 m<sup>3</sup>)

**Hopper and dump controls** Electro/hydraulic in cab

**Maximum dump height** 10' (3048 mm)

**Minimum dump height** 38" (965 mm)

**Body to discharge door at dumping height** 2' 3" (686 mm)

**Maximum hopper dump angle** 50 degrees

**Dump cycle** 70 seconds

**Lift mechanism** Two stage scissors with hydraulic cylinders

**Design lift capacity** 11,000 lbs. (5000 kgs)

### Constant Pressure Water System

**Capacity of tank** 350 gallons (1325 L)

**Water fill hose** 15' 0" (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** CAT® C7

**Type** 6 cylinder

**Horsepower** 230 @ 2200 RPM

**Torque** 660 lb. ft. (898 Nm)

**Engine accessories** Engine mounted lube-oil cooler, centrifugal water pump, spin-on fuel filter, spin-on oil filter, oil fill and level

### Fuel Tank

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

### Power Train

Allison 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 hydraulics

### Steering

Power assisted recirculating ball gearbox with direct coupled manual steering capacity.

### Wheels

**Front** 10 stud, hub piloted steel disc, 22.5"/8.25" rims

**Rear** 10 stud, hub piloted steel disc, 22.5"/8.25" rims

**Type** 10 hole heavy-duty disc

### Brakes

**Service** 4 wheel air

Front with 16" chambers (406 mm)

Rear with 30" chambers (762 mm)

**Type** Drum and shoe

**Parking** Spring applied rear wheel - Drum and Shoe

### Electrical System

Twelve volt negative ground system with 160 amp alternator. Battery: 2- Group 31, 1900 CCA. All circuits protected activated by ignition switched constant duty solenoid (except lights).

### Cab

All aluminum; intermittent electric windshield wipers; windshield washer, fresh air heater and defroster; individual seats with seat belts; two rear view mirrors mounted on doors; sun visors; all sweeper controls in cab on center console. Dual gutter broom models have dual steering wheels, throttle pedals, brake pedals, turn indicator lights. Tinted safety glass throughout. And an Arm rest.

### Seats

**Drivers l/h** Hi-back air suspension

**Drivers r/h** Hi-back air suspension

### Instrumentation

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

### Hood and Fenders

Unitized, corrosion resistant, molded and reinforced fiberglass and forward tilting.

### Paint, Sweeper Body

99 RAL Colors 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

### 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.

Your local Elgin Dealer is:

