



## Tough on debris. Easy on the operator.

When contractors and municipalities need a durable sweeper that's easy and comfortable to operate, the Elgin Broom Bear is the sweeper of choice. From heavy-duty construction debris to light street maintenance, Broom Bear has quickly proven to be one of the most rugged and efficient sweepers in the industry.

Equipped with a Caterpillar™ C7 230 hp engine in a Freightliner™ Business Class M2 106 chassis, it's never short on muscle. But the real strength of Broom Bear is its intelligent design. With a powerful collection of features and innovations, Broom Bear gives operators the flexibility to take on virtually any application with ease.

Armed with a larger hopper and increased water capacity, Broom Bear reduces the number of stops throughout the day. Plus, with variable dumping height and 11 inches of side-shift capability, operators are able to enjoy cleaner, more efficient dumping action.

A short wheelbase and large brooms make Broom Bear ideal for operating in tight cul-de-sacs. Its dual free-floating gutter brooms adjust to variable surfaces, while the fully floating main broom is designed to take on the toughest road-paving obstacles – even protruding manhole covers.

With its unsurpassed flexibility, innovative design and unmatched durability, the Elgin Broom Bear brings maximum efficiency and superior sweeping performance to a wide range of applications:

- Residential street maintenance
- Road construction cleanup
- Crosstown emergency cleanup
- City/highway maintenance
- General urban street sweeping
- Milling and chip-and-seal road construction
- State highway and tollway cleaning

Broom Bear Heavy-duty, single-engine, mechanical broom sweeper.



### PARTS

Common parts are located in the elevator lift system, side broom and main broom. Plus, with Elgin's extensive dealer network, off-the-shelf replacement parts are readily available for quick maintenance and maximum uptime.

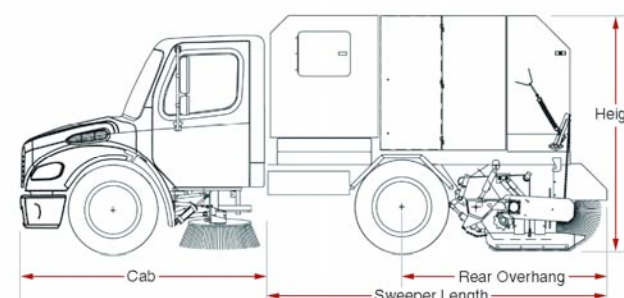


### SERVICE

Service support is available through an extensive network of factory-trained dealers located throughout the world.



**LifeLiner® Hopper System:** Introducing the LifeLiner® hopper system, a specially designed hopper liner and finish system that greatly improves the life, durability, and functionality of a sweeper hopper.



### Basic Specifications

#### Approximate Weights

- One side broom–21,000 lb (9,526 kg)
- Two side brooms–21,300 lb (9,662 kg)

#### Width Outside Side Broom Drive (Retracted)

- 8'0" (2,438 mm)

#### Sweeping Paths

- One side broom–8'5" (2,565 mm)
- Two side brooms–Standard Reach 10' (3,048 mm)
- Two side brooms–Extended Reach 12' (3,658 mm)

#### Axle Capacities

- Front–10,000 lb (4,536 kg)
- Rear–23,000 lb (10,433 kg)

#### Total GVWR

- 33,000 lb (14,969 kg)

#### Dimensions on Freightliner M2

- Turning Radius–19'0" (5,791 mm)
- Height–9'0" (2,743 mm)
- Width (w/o mirrors)–96" (2,348 mm)
- Sweeper Length–12'10" (3,912 mm)
- Rear Overhang–7'10" (2,388 mm)
- Cab Length–108" (2,743 mm)

### Additional Options (partial list)

- Elevator Stall Alarm
  - Rear Broom Spray Bar
  - Elevator Flush-Out System
  - Hopper Full Indicator
  - Hopper Up Indicator
  - Auto Lube System
  - Dual Spray-Water Pump
  - RH/LH Side Broom Tilt
- Contact factory for additional options.

### Value-Added Services

Elgin's commitment to the customer continues long after the sale.

- On-Time Delivery
- Factory-Trained, Worldwide Dealer Network
- Genuine Performance-Matched Parts
- Elgin Training Center

Your local Elgin Dealer is:

### Warranty

Elgin Sweeper Company backs the Broom Bear sweeper with a one-year, limited warranty. The Broom Bear is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty details.



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**1 SHORT WHEELBASE**

With its short wheelbase, the Broom Bear provides a tight, 19-foot turning radius. This compact design increases maneuverability and makes the Broom Bear ideal for sweeping in narrow streets and cul-de-sacs.

**2 VARIABLE-HEIGHT DUMP**

The standard variable-height dump feature allows operators to unload from ground level to dump truck height and anywhere in between. With this lift system, the hopper can be emptied at heights from 32 inches to just over 10 feet, providing easy roll-off and clean dumping action. With its side-shift capability, the hopper can shift to the right 11 inches, allowing for material to be unloaded into the center of a truck or container. The Broom Bear variable dump system is powered by a unitized, twin-cylinder, double-scissors lift for maximum strength, rigidity and trouble-free operation. With a lift capacity designed for loads up to 11,000 pounds, the hopper can be raised to full height, dumped and retracted in as little as 70 seconds, with short dump intervals as fast as 20 seconds.

**3 EASY-ACCESS CONTROLS AND FLAT CENTER CONSOLE**

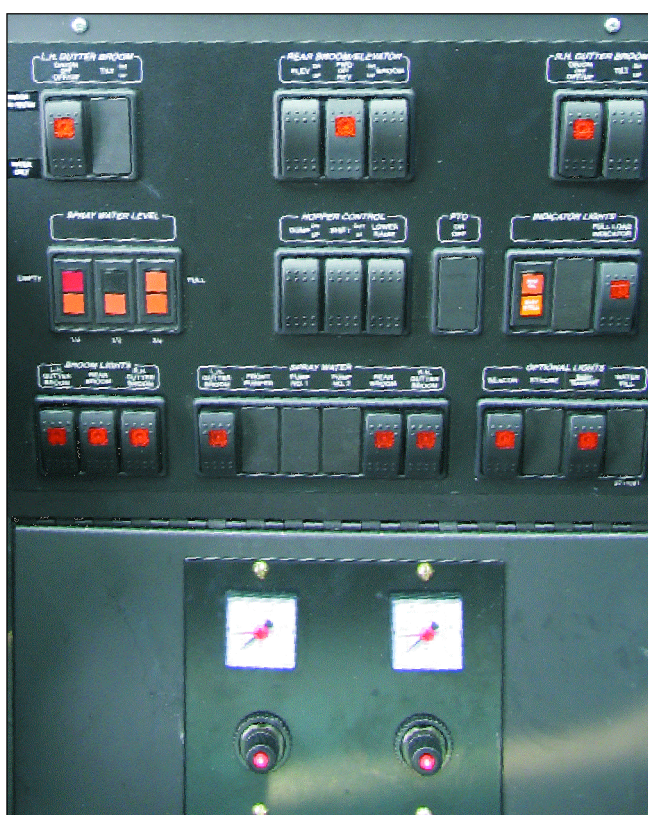
This comprehensive control panel is centrally mounted on the transmission tunnel, making it accessible and easily viewed from both the left and right operator stations. All sweep, dump, spray-water and hopper operations are controlled from this single console. For added safety, tactile controls allow operators to work by feel, enabling them to maintain visual contact with the work area outside.

**4 COMMERCIAL CHASSIS/SINGLE ENGINE**

A 230 hp C7 Caterpillar engine is teamed with a Freightliner Business Class chassis to create one of the most powerful and reliable single-engine packages in the industry. The straightforward, single-engine layout provides greater fuel efficiency and simple maintenance. And the commercial chassis enhances safety and comfort, while lowering the overall cost of operation.

**5 LARGE HOPPER**

With a capacity of 4.5 cubic yards volumetric and 3.3 cubic yards of material, the Broom Bear features one of the largest hoppers in its class. All hopper lift and dump controls are hydraulic and easily operated from inside the cab. A 50-degree dump angle provides superior dump performance and efficient off-loading of material.



**6 SIDE BROOMS**

Large 44-inch dual side brooms feature a free-floating trailing arm designed to offer four-way motion, along with steel plate sideways construction to protect against obstacles. Pneumatic lift and extension control provide unique sweeping action in front of the main broom. Plus, the brooms can be pinned out to provide up to 12 feet of coverage, making it easy to reach deep into curves, cul-de-sacs and other tight areas.

A hydraulic motor creates a powerful rotation and rugged digging capability, while constant speed is matched to the main broom and the conveyor. An in-cab pneumatic setting allows for precise control of down pressure, digging pressure and overall wear.

**7 WATER TANK SYSTEM**

One of the largest in its class, the 350-gallon single, removable tank allows operators to make fewer scheduled stops. The polyethylene construction provides maximum protection against rust and corrosion. Waterflow control for the side and main broom is located in cab, along with a low water indicator. One centrifugal pump (run-dry type) operates at 15 gpm, delivering effective dust control. There are two spray nozzles positioned on each side broom, and eight nozzles across the front bumper.



**8 POWERTRAIN**

An Allison™ 3500 RDS transmission, a 10,000-pound front axle and a 23,000-pound, 2-speed rear axle complement the powerful Caterpillar 230 hp single engine. Mile after mile, Broom Bear operators can be assured of powerful performance, unsurpassed reliability and hassle-free maintenance.

**9 CONVEYOR SYSTEM**

A steel roller chain drives an 11-flight, squeegee-type conveyor to load debris into the hopper. The chain operates on polyurethane sprockets, which last longer. Conveyor speed is constant and matched to the broom speed for optimal loading performance. Conveyor operating height can be raised from the cab up to three inches to avoid larger debris and other obstacles. Conveyor bearings are sealed and self-aligning for longer life.