

# Heavy-Duty Self-Propelled Broom



# ROADTEC

an Astec Industries Company

## Self-Propelled Broom from Roadtec: Robust and Versatile

Our broom stands up to the punishment your highway projects dole out. It's constructed the Roadtec way: solid, dependable, and durable. Roadtec axle capacity of 14,000 lbs (6,350 kg) comes in at twice the strength of competing models. Thanks to the telescoping broom head, the front-mounted FB-85 model allows the operator to switch brooms quickly. Our side shift feature prevents tire wear when sweeping next to a curb. You can mount the broom drive motor on the right or left side of the broom head. It's switched over easily so you can flush-sweep on both sides. Sealed brakes, easy engine access and a well-designed cab add even more value.



All maintenance items are easily accessed under the raiseable hood.



Broom head can pivot 33 degrees to each side.



Left-hand side entry, pressurized cab with easy to use controls, filtered climate control, and windshield wiper/washer.

## Your Work Goes Easier with the Right Tool

Now you don't need multiple broom heads for different brush widths. With our design you can use brush sizes from 72 to 96" width (183-244 cm) in one machine. Simply move the arms in or out to clamp in a different size broom. The Roadtec FB-85 broom will not be a 'disposable' piece of equipment but will serve you through many seasons. That's why it's important that engine access be optimal so you can service the machine like the rest of your construction equipment. A temperature-controlled, pressurized cab, steering wheel tractor control, plus a fingertip-control lever with push button controls contribute to operator productivity. You'll be getting your money's worth.



The side shift feature (for brooms wider than 72" (183 cm)) allows sweeping next to curbs or walls without damaging the sides of machine.



The broom drive motor can be switched to the right or left side to allow right-hand as well as left-hand flush-sweeping.

Please see full specifications on the back cover.



# FB-85 Self-Propelled Broom Specifications

**ENGINE:**

CAT® 3.4L, 4 cylinder, 83 HP (62 kW) diesel Engine @ 2,500 rpm, ACERT Tier III.

**ELECTRICAL SYSTEM**

90 amp alternator.  
12 Volt starting system.  
Heavy-duty 16 gauge wiring.

**BROOM**

Front-mounted.  
Core Sizes: 8-5/8" and 10" diameter (22 and 25 cm).  
Infinitely variable width broom head with side shift capability and 33° rotation to both sides.  
Broom drive motor easily switched from right to left for flush-sweep capability on either side.  
Minimum broom width 72" (183 cm).  
Maximum broom width 96" (244 cm).

**PROPEL SYSTEM:**

Closed loop hydraulic circuit.  
Load sense auxiliary hydraulic circuit.  
Planetary reduction at the wheels with sealed wet disc brakes.  
Travel speed 22 mph (35 km/h).  
Working speed 13 mph (21 km/h).

**SUSPENSION:**

Heavy-duty 14,000 lbs (6,350 kg) capacity axles.  
Front axle: Comer 068 Rigid Drive Axle.  
Rear axle: Comer 068 Steering Axle.  
Heavy-duty main frame.  
LT225-75 R15 tires with 15" (38 cm) heavy duty steel, highway tread wheels.

**CAB AND CONTROLS**

Left-hand entry into spacious cab.  
Excellent visibility.  
Expandable headlight bar with front and rear lights.  
Pressurized cab with filtered A/C and heat.  
Steering wheel control for tractor steering.  
Ergonomic control/joy stick with single hand access to seven functions.  
Fully adjustable reclining seat with armrests.  
Down pressure adjustment for broom.  
Speed adjustment for broom rotation.

**BRAKES:**

Sealed wet brakes with parking brake.

**MAINTENANCE ACCESS:**

Manual lift, removable hood raises up full 90 degrees for excellent engine, radiator, and cooler access.

**WINDSHIELD WIPER WITH WASHER**

**SERVICE CAPACITY:**

Fuel .....40 gal (151 l)  
Hydraulic system (total).....40 gal (151 l)

**OPTIONS:**

Water Spray  
Spare Tire  
In-Cab speed-of-broom adjustment (versus at valve bank)  
Blinkers & Brake Lights

**APPROXIMATE WEIGHT:**

7,500 lbs (3,400 kg)

