

Pelican® Three-Wheel Broom Sweeper



S Model – Mechanical



PW Model – Hydraulic Waterless



P Model – Hydraulic



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To assure that the legendary Elgin Pelican® continues to meet the needs of its customers and the industry, Elgin Sweeper raised the bar and set a new benchmark for the industry standard. Based on a design that has been continually perfected since 1914, the new and improved Pelican combines maneuverability, economy, serviceability, and single-lane dumping with a sweep system that easily handles heavy, compacted dirt and bulky debris, as well as smaller particles found in the street.

If you need an all-around sweeper with incredible digging power the Pelican is the perfect solution.

- Isolation-mounted cab for cleaner, quieter, more comfortable operation
- Improved visibility
- Enhanced ease of operation
- Increased durability, stability, and maneuverability
- Easier access for service and maintenance

With so much to offer - and customized with your choice of options - the new Pelican is sure to fit your needs.

Your Choice of Sweep Systems

Equip your Pelican with the sweep system that best suits your needs. Both hydraulic and mechanical systems provide exceptional digging power in heavy, compacted dirt, as well as effective pickup of light or bulky debris.

P Hydraulic Sweep System

Controlled by engine rpm and operated independently of ground speed and direction, the Pelican's broom speed provides digging power at slow or zero ground speeds. A foot pedal controls speed and sweeper direction through the hydrostatic transmission.

S Mechanical Sweep System

Also controlled by engine rpm and operated independently of ground speed and direction, the S design provides exceptional digging performance by driving the brooms directly through an integrated hydraulic clutch for higher broom torque.

PW Hydraulic Sweep System with Waterless Dust Control

All the advantages of the standard P, with the added benefit of vacuum fugitive dust control that provides superior dust containment without the use of water.

1 Outstanding Maneuverability

The Pelican features a high steering angle and a small turning radius, so you can make quick turns, sweep extremely close to obstacles and follow curbs without climbing or scuffing tires. Dual tire guide wheels increase stability and steering traction.

2 No Jam™ Debris Conveyor

The exclusive conveyor system features molded-in full width cleats that move large debris without jamming. The high-strength belt material on the conveyor delivers long wear for maximum uptime. A built-in washdown provides quick and easy clean-up.

3 Variable Height Front Dump Hopper

Ideal for single-lane dumping for minimal traffic interruption and increased safety, the hopper can be dumped from ground level up to 9 ft 6 in (2895 mm) high. The load can be easily observed from the cab by lifting and rolling the hopper. The hopper's large, 3.6 yd³ (2.8 m³), 9,000 lb (4082 kg) capacity provides maximum sweeping time. For easy inspection, the hopper rolls out and rests on the ground.



4 Sprung Guide Wheel

The shock-absorbing, two-spring suspension design increases your comfort in the cab while reducing stress on the sweeper frame-especially when operating in pothole conditions or on rough, uneven roads.

5 Durable, Purpose-built Chassis

The Pelican's heavy-duty construction and compact frame ensures a tight turning radius and years of reliable, low-maintenance operation. A balanced design provides stable sweeping and dumping. The hopper load is positioned low between the two front wheels for outstanding balance and safety. The axle support and hopper lift system are integral parts of the chassis.

6 Low-Maintenance Drive System

Featuring a unique wheel motor design that delivers outstanding power with minimal maintenance, the Pelican can handle steep grades with no problem. Integrated sensors provide precise road speed measurement and adjust power requirements according to the load.

7 Heavy-Duty Brake System

The Pelican features three caliber, full-power disc brakes and a dynamic braking design that significantly reduces wear on service brakes. All brake components are easy to access and economical to maintain.

8 Corrosion-Resistant Water System

Corrosion resistant polyethylene water tank supplies the dust suppression system with 220 gallons (833 L) of water. The exclusive Elgin water pump on the Pelican can run dry without damaging the machine's water system. For operator convenience and ease of maintenance, a water level gauge is fully visible from the cab.

9 Long Life, Low Maintenance Components

Easy servicing lowers ownership costs and increases sweeper usage. O-ring face seal hydraulic fittings assure leak-free connections, while the electrical system's waterproof snap-together connectors and stamped color-coded wires provide quick identification. To ensure easy monitoring of fluid levels, the hydraulic tank directly behind the cab features a sight glass inspection tube.

10 Efficient, Comfortable Cab

The clean, quiet, comfortable and spacious isolation-mounted cab features large windows, wide see-through doors and a full-width windshield for 360° visibility. The center console is easily accessed from both left and right driving positions. Fingertip controls include illuminated and graphically identified gauges and rocker switches.



Quick Specs

Wheel Base	127.4 in (3236 mm)
Overall Length	16 ft (4877 mm)
Height with cab	9 ft 10.5 in (3010 mm)
Width outside tires	8 ft 6 in (2591 mm)
Curb-to-curb turning radius	15 ft (4572 mm)
Sweeping path:	
• One side broom	8 ft (2438 mm)
• Two side brooms	10 ft (3048 mm)
Empty Weight:	
• One side broom	13,590 lb (6170 kg)
• Two side brooms	14,262 lb (6482 kg)
Travel speed	20 mph (32 Km/h)
Engine (make and type)	John Deere 4045TF150
Horsepower	99 hp (74 kW) @ 2,500 RPM

Available Enhancements

Front Third Broom

The third broom enhancement adds a new dimension in productivity. This front-mounted tool can be used for weed removal on its fixed-height, high speed broom rotation setting and extended reach broom sweeping on its full-floating, normal speed setting.

Limb Guard

Heavy-duty guards surround cab and protect sweeper by guiding low-hanging tree limbs up and over the Pelican.

Additional Enhancements

- Auto-Lube™ automatic lubrication system
- LifeLiner™ hopper liner
- Air conditioner
- Rotating beacon or strobe light
- Air suspension seat
- Conveyor, lower roller washout
- Sliding rear window
- In-cab side broom tilt

Value-Added Services

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

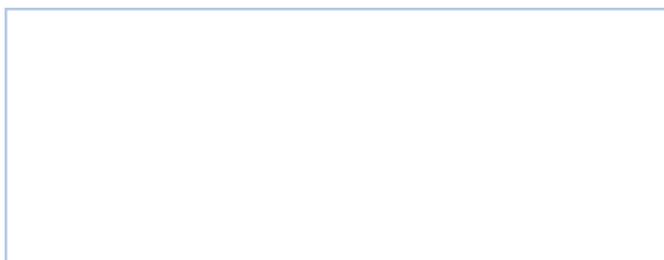
- Genuine Performance Matched Parts
- Elgin Training Center
- Customized leasing and financial services
- Highest resale value in the industry



Warranty

Elgin Sweeper Company backs the Pelican sweeper with a one-year limited warranty. The Pelican 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 information. The ESCO/FSM 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:



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