

ELGIN®



INDUSTRIAL PELICAN®

PATENTED FILTRATION SYSTEM



The key to the Pelican's superior waterless dust control, filtration capacity and ability to completely fill the hopper without the dust overwhelming the filter is the patented filtration system. Unlike systems that simply mount a filter in the hopper, the Pelican's integrated system uses the hopper as a key component in the dust removal process.

1. Powerful vacuum fan on sweeper creates air stream through debris hopper, conveyor and skirted areas.
2. Inward rushing air carries airborne dust into debris hopper where it settles out with rest of swept debris.
3. Majority of fugitive dust falls into hopper with only small amount of dust getting to filter because of torturous air flow path, that separates the air from the debris.
4. Hopper capacity is optimized and media filter is required to capture only minimal fugitive dust rather than entire dust load.
5. A long life, low maintenance dry filter element is installed between debris hopper and vacuum fan to prevent dust from being pulled from the hopper and blown out the vacuum fan exhaust.
6. When filter becomes loaded, it can be mechanically cleaned with on-board switch that activates cleaning system so sweeping can continue.



***PM10 Certified**
ISO-9001
Made in the USA



PERFORMANCE

Outstanding Maneuverability

- Tight turning radius for quick turns, sweep extremely close to obstacles.
- Dual tire guide wheels increase stability and steering traction.
- Rear steering allows for better control of main broom position for a more precise sweep path.

Single Engine Powered

- John Deere 4045T, 4 cylinder turbocharged diesel engine.
- Lower cost to operate.

Patented Dry Dust Control

- Control fugitive dust without the use of spray water.
- Patented Torturous air path and filtration system design for outstanding performance.
- Year round sweeping of bulky or small, wet or dry material.



PRODUCTIVITY

Variable Height Front Dump Hopper

- Debris hopper can be dumped from the ground level up to 9 ft. 6 in. high.
- 3.5 cubic yard capacity.
- Capable of lifting up to 9,000 lbs.

Main Broom

- 35 in. x 66 in. hydraulically driven. Polypropylene main broom with variable speed in cab float controls.
- Main broom raises automatically when the sweeper is reversed.

Side Brooms

- 36 in. hydraulically driven rugged side brooms.
- Protrude up to 13 in. outside tire while sweeping to capture more debris.

No-Jam Debris Conveyor

- Heavy duty conveyor system with molded-in chevron cleats, positioned at optimal angle to move large debris without jamming.
- Built-in wash down for quick and easy clean-up.



OPERATOR CONVENIENCE

Comfortable Operator Cab

- Quiet, comfortable and spacious isolation-mounted, pressurized cab.
- Large windows, see through doors and a full width windshield for 360 degree visibility.
- Center console easily accessed from both left and right driving positions.

Rear Wheel Suspension

- Single-sided swing-arm rear suspension increases comfort in the cab.
- Reduces stress on sweeper frame-especially when operating on rough, uneven roads and surfaces.





Dry Disc Brake Wheel Motor



Debris Conveyor



Debris Hose Stored



Debris Hose extended 12'

DRIVABILITY

Servicability

- O-ring hydraulic connectors for long life and leak free operation.
- Waterproof, snap-together electrical connectors and color coded wires with identification stamped for quick troubleshooting.

High Performance Drive System

- Unitized, dry disc brake, wheel motor and planetary gear reduction assembly, delivers outstanding power with minimal maintenance.
- Easily navigates steep grades.
- Large, heavy duty truck tires provide a smooth ride and ample traction.
- Safety backup camera, standard.
- Pelican brake testing completed on a maximum of 30% grade.

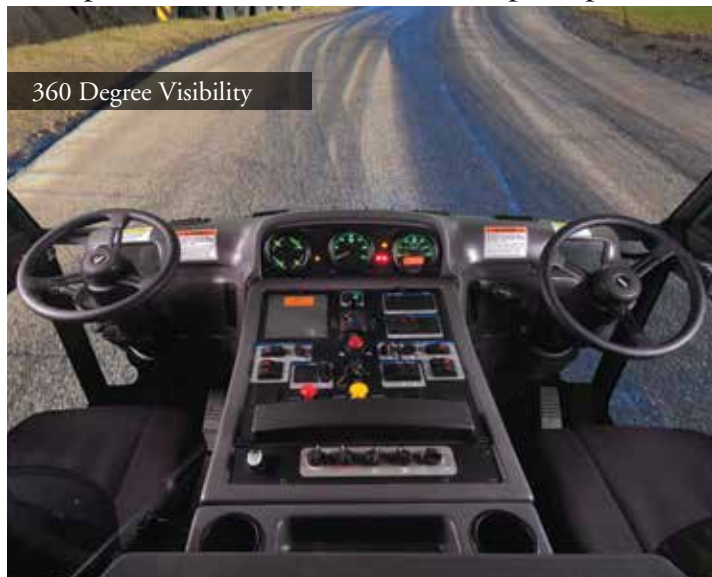
Durable, Purpose-Built Chassis

- Heavy duty construction and compact frame ensures a tight turning radius and years of reliable, low maintenance operation.
- Hopper load is positioned low between the two front wheels for balance and safety.

EASE OF OPERATION

Hydraulic Sweep System

- Controlled by engine RPM and operated independently of ground speed and direction.
- Broom speed provides digging power at slow or zero ground speeds.
- Foot pedal controls speed and sweeper direction through the hydrostatic transmission.
- One button controls the sweeping activation.
- Optional debris hose for remote pickup.



360 Degree Visibility

Pelican[®] Industrial - 4 Season Sweeping

The Elgin Industrial Pelican combines maneuverability, economy, serviceability and variable height front dump capability with a sweep system that easily handles heavy, compacted dirt and bulky debris as well as smaller particles found in industrial sweeping applications. The waterless dust control system allows increased pick-up of fine particles, proven year-round sweeping and safe removal of water reacting materials. It can also sweep through wet material and not damage the filter system.

The Industrial Pelican is an all around robust, outdoor sweeper with incredible digging power and comes standard with:

- Isolation-mounted, pressurized cab for cleaner, quieter and more comfortable operation
- Improved 360 degree visibility
- Enhanced ease of operation with dual operator controls and single switch to activate sweeping mode
- Heavy duty, no jam conveyor for reliability and ability to load bulky material up to 9 inches in diameter
- Efficient waterless dust control system to eliminate use of water for dust suppression
- Variable height front dump hopper
- Single engine - lower cost of operation
- Easy access, without tools, for service and maintenance

And customizable with a wide range of options ensure an industrial sweeper that meets each unique application. Elgin has over 50 dealers in North America to provide after-the-sale service, parts, and support.



Specifications

Frame construction:

Welded box steel, powder coated

Cab: All weather with heater pressurizer. 100% filtered intake air

Max speed: 20 mph

Loaded gradability 30%

Wheelbase: 133.4"

with 15' turning radius

Size: Overall length 16.75'

Height 9.4', Width at tires 8.5'

Diesel fuel capacity: 35 gals, 8 hrs

Operator positions: Left and right

Gauges: Full vehicular with rear view camera and dust control status

Lighting: Full vehicular with halogen headlamps

Tires: Commercial truck 11R22.5 and 215/75R17.5

Drive: Hydrostatic planetary reduction with disc brakes

Suspension: Heavy duty spring on rear guidewheel

Engine: John Deere 4045T diesel 99 HP

Main broom: 35" X 66" Polypropylene tube style

Side broom: 36" Vertical digger, steel wire

Sweep system protection: Raise in reverse

Hopper capacity: 3.5 yds

Hopper lift and dump: 9' 6" and 9,000 lbs

Hopper construction: Steel, with LifeLiner® option

Loading conveyor: 45° Rubber belt with chevron cleats

Broom skirts: Quick release; easy access and cleaning

Dust separation: Torturous path through hopper and filter housing

Dust filter: Long life synthetic media; envelope type

Dust fan: Three speed load sensing

Filter cleaning: In-cab, envelope flexing eccentric with sequence timer

Dumping dust control: Wetting spray bar at dust filter housing exit

Options



LifeLiner® Hopper System

The LifeLiner® Hopper system is a specially designed hopper liner and finish system that greatly improves the life, durability, and functionality of a sweeper hopper.



Front Debris Hose

The optional hand held front debris hose attachment allows remote cleaning into hard to reach areas such as under conveyors and tight corners.



Lighting Packages

The Pelican can be equipped with a variety of lighting options for increased safety and visibility, including rotating beacons and arrowboards.

Additional Options

- Air conditioner
- Air suspension seats
- Sliding rear and side windows
- In-cab side broom tilt
- Auto-Lube Automatic Lubrication System
- Extended warranties
- Poly side broom
- See dealer for additional options

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.

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Your Local Elgin Dealer is:



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Specifications subject to change without notice.

Some photos shown with optional equipment.

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ISO-9001 and PM-10 Advantages

The Pelican® is manufactured in an ISO-9001 facility. John Deere is a registered trade mark of Deere & Company. Covered under US Patent # 7,281, 296 B2 & 6,584,157 B2, and Canadian Patent # CA2475362.