

ELGIN[®]



PELICAN[®]

Industrial

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The Elgin Pelican, based on a design that has been continually perfected since 1914, 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 dry dust control system allows increased pick-up of fine particles, proven year-round sweeping and safe removal of water reacting materials.

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

- Isolation-mounted cab for cleaner, quieter and more comfortable operation
- Improved 360 degree visibility
- Enhanced ease of operation
- Heavy duty belt conveyor for reliability and ability to load bulky material
- Efficient dry dust control system to eliminate use of water for dust suppression
- Variable height front dump hopper
- Increased durability, stability and maneuverability
- Easy access for service and maintenance.

And customizable with a wide range of options ensure an industrial sweeper that meets each unique application.

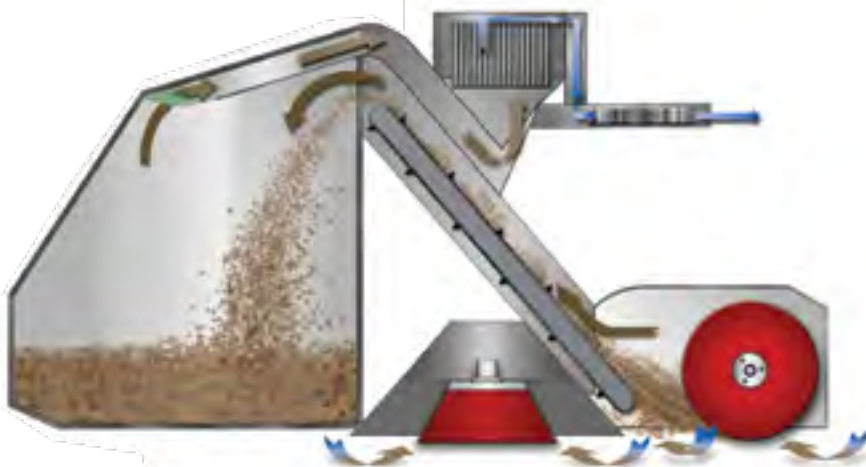


PATENTED FILTRATION SYSTEM



The key to the Pelican's superior 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 cleaning system so sweeping can continue.





Dry Dust Control

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 diesel engine.

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.



Front Dump Hopper

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.



Easy-Access Center Console

OPERATOR CONVENIENCE

Comfortable Operator Cab

- Quiet, comfortable and spacious isolation-mounted 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.

Sprung Guide Wheel

- Shock absorbing, two spring suspension increases comfort in the cab.
- Reduces stress on sweeper frame-especially when operating on rough, uneven roads and surfaces.



Sprung Guide Wheel



Dry Disc Brake Wheel Motor



Debris Conveyor



DRIVABILITY

High Performance Drive System

- Unitized, dry disc brake, wheel motor and planetary gear reduction assembly, delivers outstanding power with minimal maintenance.
- Navigates steep grades with no problem.
- Large, heavy duty truck tires provide a smooth ride and ample traction.

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.

Electrical and Hydraulic Systems

- 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.

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.



Specifications

Frame construction: Welded box steel	Operator positions: Left and right	Main broom: 35" X 66" Polypropylene tube style	Broom skirts: Quick release; easy access and cleaning
Cab: All weather with heater pressurizer. 100% filtered intake air	Gauges: Full vehicular with rear view camera and dust control status	Side broom: 36" Vertical digger, steel wire	Dust separation: Torturous path through hopper and filter housing
Max speed: 20 mph Loaded gradability 30%	Lighting: Full vehicular with halogen headlamps	Sweep system protection: Raise in reverse	Filter location: Isolated from debris hopper
Wheelbase: 127.4" with 15' turning radius	Tires: Commercial truck 11R22.5 and 10R17.5	Hopper capacity: 3.5 yds	Dust filter: Long life synthetic media; envelope type
Size: Overall length 16' Height 9.4', Width at tires 8.5'	Drive: Hydrostatic planetary reduction with disc brakes	Hopper lift and dump: 9' 6" and 9,000 lbs	Dust fan: Three speed load sense
Empty weight: 14,290 lbs	Suspension: Heavy duty spring on rear guidewheel	Hopper construction: Steel, with LifeLiner® option	Filter cleaning: In-cab, envelope flexing eccentric with sequence timer
Diesel fuel capacity: 35 gals, 8 hrs	Engine: John Deere 4045T diesel 99 HP	Loading conveyor: 45° Rubber belt with chevron cleats	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.



VacuWand Hose

The optional hand held front VacuWand hose attachment allows remote cleaning into hard to reach areas such as under conveyers 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

- Auto-Lube automatic lubrication system
- Air conditioner
- Air suspension seats
- Sliding rear and side windows
- In-cab side broom tilt
- Extended warranties
- Poly side broom
- Front vacuum attachment
- 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.

Your Local Elgin Dealer is:



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