

ELGIN®



WATERLESS EAGLE®

Waterless Advantage. Elgin Performance.



Have a limited water supply? Need to sweep year-round in all weather conditions? All while having to maximize your operator's productivity and sweeping efficiency? Then look no further than the popular Elgin Eagle, equipped with a new, patented Waterless Dust Control System and with proven PM10 and PM 2.5 pickup, proven low dust emissions and proven dry sweep performance.*

With the Waterless Eagle, you get the incredible sweep performance that has made the Eagle a favorite, but you control dust without using water. And since there's no water, sweeping in freezing weather conditions is possible, helping you meet the growing demand for quick pick-up of winter-time road sand, salt and cinders. As a result, you significantly reduce time spent on spring clean-up.

To increase productivity, Eagle's Waterless Dust Control System means operators sweep more and spend less time filling tanks. Without water, mud doesn't build up on components, which can reduce clean-up time at the end of a shift. In addition, the process of dry sweeping provides environmental benefits, including a reduction in your water footprint and less road silt that can be left as a film from water-based dust control sweepers.

*For information on performance test results consult factory.



Regular cleaning of streets and catch basins reduces sediment loads in runoff that would otherwise end up in local waterways



Wide Sweep Path

Hydraulically driven main and side brooms create a wide 10 ft (3,048 mm) sweeping path for maximum productivity. The hydraulically driven main broom has in-cab variable broom speed for flexibility in varying sweeping conditions. Down pressure can be adjusted from the cab while moving. The main broom is mounted on a full-floating, trailing arm design with shocks to follow road contours. The 42 in (1,067 mm) free-floating, trailing arm side brooms provide powerful digging action and a full four-way motion and sideway protection when passing close to obstacles. Variable speed and down pressure for digging and wear control are controlled from in the cab. This means deep digging or light touch for maintenance sweeping.

No-Jam Conveyor

The Eagle conveyor features molded-in, full-width cleats that move large debris without jamming. High-strength belt material provides long wear and maximum uptime. Controlled from the cab, including reverse, the conveyor assures efficient loading of heavy granular debris as well as bulky materials such as tire re-treads, hub caps, mufflers and more. The high speed of the belt throws material to the front of the hopper for more effective loading. Built-in washdown allows quick, easy clean-up.

Minimal Noise Levels

Cab, chassis and sweeping system are designed for low in-cab and drive-by noise levels, providing maximum operator comfort and safety.

Variable Height Dump Hopper

The 4.5 yd³ (3.4 m³) volumetric hopper can be emptied anywhere from 32 inches (813 mm) to 10 ft 2 in (3,100 mm) and an 11 in (280 mm) right side shift enhances container or dump truck unloading. The hopper raises on a trouble-free, twin cylinder, dual stage mechanism, capable of lifting up to an 11,000 lb (5,000 kg) load. The center position keeps the weight between the dual tires during dumping operations and maintains proper weight distribution as the sweeper unloads. The load is clearly visible, and the dump angle is 50° for excellent dump performance and easy slide-out of material.



Supplemental Water System

Every unit has a standard full water system to give operators the flexibility of using water should circumstances or preferences require it. It includes an in-cab controlled water flow for the main and side brooms. The 320 gal (1,210 L) system features removable, rustproof polyethylene water tanks and a self-priming centrifugal run-dry type pump that provides 6 gpm (22.7 L/min) @ 80 psi (5.8 bar).

Proven Cab-Over Chassis

The Eagle is mounted on a high-visibility, commercial chassis and is available with right hand only drive or fully right and left dualized with chassis OEM components. The typical chassis features a 230 hp engine and five speed overdrive transmission and meets all FMVSS standards. The short 155 inch (3,937 mm) wheelbase provides a tight turning radius. The unique full air ride suspension provides comfort during transport, and the ability to deflate the airbags and provide a ridged axle for sweeping and dumping stability. (Consult factory for additional chassis options.)

Easy In-Cab Operation

A center-mounted console provides access to all sweeper controls from either driving position. This includes hopper, conveyor, rear suspension, vacuum fan assist, adjustable spray water, broom controls, plus a full load indicator. Broom speed, conveyor speed and digging pressure are adjustable independently of truck rpm. Reverse gear automatically raises sweeping components to prevent damage. A complete set of auxiliary engine gauges keeps the operator informed at all times, including a tachometer, hour meter, voltmeter, fuel level, coolant temperature, oil pressure, hydraulic oil filter, engine running and air filter conditions.

Convenient Maintenance Features

The Waterless Eagle is as easy to maintain as a standard Eagle. Four access doors (with locks) open wide for access to all sweep system components, auxiliary engine and the dry dust control components, including the fan and filter. Built-in steps and a steel service platform provide stable work surfaces. All wiring harnesses are color-coded and labeled for easy maintenance and troubleshooting. All connectors are weatherproof to prevent moisture from getting into the connection. Access to the side and main brooms is quick and requires no tools. The shrouds are hinged and easily latch and unlatch making routine maintenance trouble-free.



Powerful Auxiliary Engine

A reliable 99 hp John Deere 4045 diesel auxiliary engine powers all sweep and dust control systems. The dedicated sweep system engine produces superior digging at required ground speed. The truck engine rpm and ground speed do not affect broom or conveyor speed.

Dust Control System

The Eagle with Waterless Dust Control features a patented dust suppression system with a powerful vacuum fan to create an airstream, main and side broom skirting for dust capture, and a long-life, low maintenance filter between the hopper and the vacuum fan. Together, these components create a highly effective method for controlling fugitive dust that may occur during sweeping.

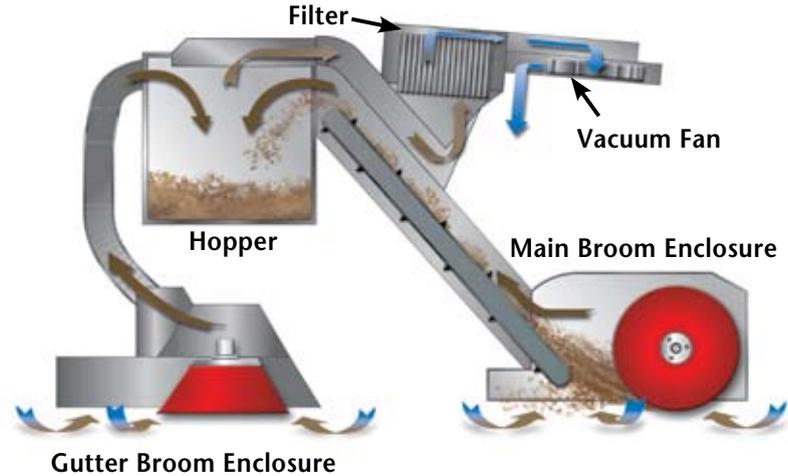
Waterless Eagle® Patented Dust Control System

A powerful vacuum fan on the sweeper creates an air stream through the debris hopper, conveyor and skirted areas. The inward rushing air carries the airborne dust into the debris hopper, where it's allowed to settle out with the rest of the swept debris.

A majority of the fugitive dust falls into the hopper with only a small amount of dust getting to the filter. When the filter becomes loaded, it can be mechanically cleaned with an on-board cleaning system so sweeping can continue.

A long life, low maintenance dry filter element is installed between the debris hopper and the vacuum fan to prevent dust from being pulled from the hopper and blown out the vacuum fan exhaust.

The fully flexible main and side broom skirting allow efficient dust capture, while still providing aggressive curb cleaning. These are fabricated from highly resilient polymer material for long wear and are easy to change and maintain.



Side Broom Maintenance - *Quick and Easy to Access!*



Elgin Sweeper has a network of more than 100 dealer locations worldwide. So no matter where you work, Elgin Sweeper and your Elgin dealer are there to support and protect your investment upon delivery and for years down the road.

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 sweep-hopper.



In-Cab Side Broom Tilt

Allows operator to sweep effectively in variably-pitched gutters. On-the-go pitch adjustment with a simple variable rocker switch ensures proper broom angle.



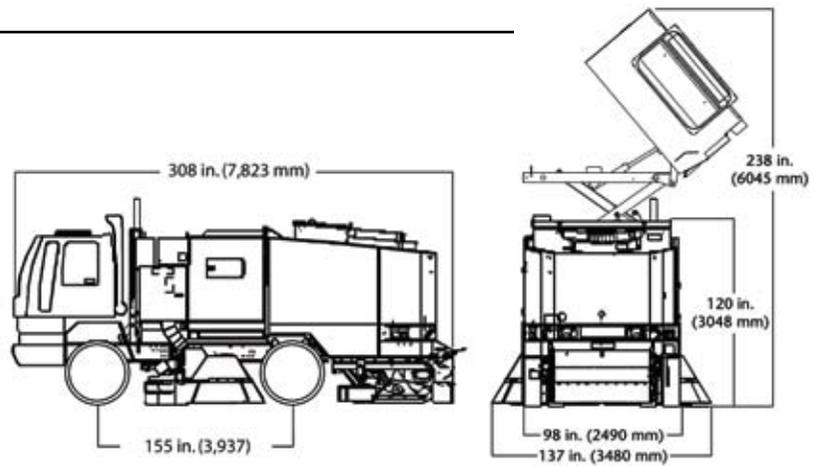
Cab-Over UD Chassis

UD 3300 chassis are built exclusively for Elgin and sweeping. This cab-over chassis provides outstanding visibility, comfort, safety and productivity. The short wheel base and unique steering geometry allows for maximum maneuverability. The UD 3300 can be equipped with full power single RH or dual steering. GMC Chassis also available.

Additional Options

- Rotating beacon or strobe light
- Rotating beacon or strobe light guard
- Carbide dirt shoes
- Arrow Board
- Auto-lube automatic lubrication system
- Automatic engine shutdown (high temp/low pressure)
- Main broom hour meter
- One-touch sweep resume system

Consult factory for additional options.



General Specifications

Sweep System: No-Jam Conveyor
Sweeping Path (Max): 10 ft (3,048 mm)
Hopper Capacity (volumetric): 4.5 yd³ (3.5 m³)
Dust Suppression: Waterless Dust Control System
Auxiliary Water System: 320 gal (1,210 L)
Dumping Height (max): 10 ft 2 in (3,100 mm)
Dump Location: Right Side

Warranty

Elgin Sweeper Company backs the Eagle sweeper with a one-year limited warranty. The Eagle 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 Sweeper dealer for complete warranty details.

Your Local Elgin Dealer is:



1.800.263.1262 | jjei.com
info@jjei.com



Elgin Sweeper Company
Subsidiary of Federal Signal Corporation
1300 W. Bartlett Road
Elgin, Illinois, U.S.A. 60120-7529
www.elginsweeper.com

ISO-9001 and PM-10 Advantages

The Eagle is manufactured in an ISO-9001 facility. John Deere is a registered trade mark of Deere & Company.