

# ELGIN®



# INDUSTRIAL EAGLE®

# WATERLESS EAGLE®

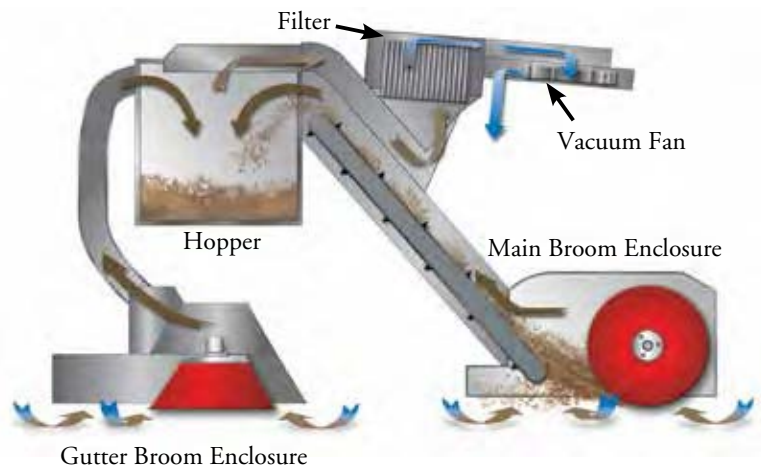
## (Patented Dust Control System PM10/2.5)

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. Sweeping through water and or during rain and snow will not affect the filter since it's blind to incoming debris or moisture.

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.



Elgin's filter is waterless dust suppression technology as patented - U.S. #7,281,296 B2, U.S. #6,584,157 B2.



*Elgin Sweeper has a network of more than 50 dealer locations in North America. So no matter where you work, Elgin Sweeper and your Elgin dealer are there to support your investment upon delivery and beyond with local parts, service and training!*

# ELGIN INDUSTRIAL EAGLE®

## Waterless Advantage. Elgin Performance. Year Round Sweeping

The Elgin Industrial Eagle combines maneuverability, highway transport speeds, water and waterless PM-10 and PM 2.5 sweeping, serviceability and variable height side dump capability with a sweep system that easily handles heavy, compacted dirt and bulky debris as well as smaller particles found in industrial applications. The patented dry dust control system allows increased pick up of fine particles, proven year-round sweeping and safe removal of water reacting materials.

The Industrial Eagle is a robust outdoor sweeper with incredible digging power and comes standard with:

- Choice of conventional or Cab-Over chassis with a dedicated auxiliary sweep engine
- Dual cab controls for ease of operation
- Pick up debris up to 9 inches in size with heavy duty chevron belt to load bulky or fine material
- Variable height, side dump hopper with side shift



## PERFORMANCE

### PATENTED WATERLESS DUST CONTROL SYSTEM

- A powerful vacuum fan to capture fugitive dust during sweeping
- Main and side broom skirting for dust capture and containment
- Long-life, low maintenance filter between the hopper and the vacuum fan
- This system is rated at PM-10/2.5 to meet strict EPA standards

### SUPPLEMENTAL WATER SYSTEM

- Ability to switch from waterless to water dust control while sweeping
- In-cab variable controlled water flow for the main and side brooms
- 320 gal (1,210 L) removable, rustproof polyethylene water tanks
- A self-priming centrifugal run-dry type pump - 6 gpm (22.7 L/min) @ 80 psi (5.8 bar)

## PRODUCTIVITY

### WIDE SWEEP PATH

- Hydraulically driven main and side brooms for 10 ft (3,048 mm) sweep path
- Main broom has in-cab variable broom speed for varying sweeping conditions
- Down pressure can be adjusted from cab while sweeping over variable terrain such as rail crossings, asphalt imperfections, and ramps
- Main broom is mounted on a full-floating, trailing arm design with shocks to follow road contours
- 42 in (1,067 mm) free-floating, trailing arm side brooms provide powerful digging action and 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 cab for deep digging or light touch for maintenance sweeping

### NO-JAM CHEVRON CONVEYOR BELT

- Chevron conveyor features molded-in, full-width cleats that move 9 inch large debris without jamming
- High-strength belt material provides long wear for large or fine material
- Controlled from the cab, including reverse, conveyor assures efficient loading of heavy granular debris as well as bulky materials due to self centering and direct drive
- High speed of belt throws material to front of hopper for more effective loading
- Built-in wash down system of the conveyor allows quick, easy clean-up

### VARIABLE HEIGHT SIDE DUMP HOPPER

- 4.5 yd<sup>3</sup> (3.4 m<sup>3</sup>) volumetric hopper can be emptied from 32 inches (813 mm) to 10 ft (3,048 mm)
- An 11 in (280 mm) right side shift enhances container or dump truck unloading
- Hopper raises on a trouble-free, twin cylinder, dual stage mechanism, capable of lifting up to an 11,000 lb (5,000 kg) load
- Center position keeps weight between the dual tires during dumping and maintains proper weight distribution as the sweeper unloads
- The 50 degree dump angle provides easy material slide-out for excellent dump performance



## OPERATOR CONVENIENCE

### MINIMAL NOISE LEVELS

- Cab, chassis and sweep system are designed for low in-cab and drive-by noise levels, providing maximum operator comfort and safety
- OEM chassis cabs are pressurized; eliminating dust from entering when windows in up position

### CONVENIENT, EASY MAINTENANCE

- Four access doors (with locks) open wide to auxiliary engine and 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

## EASE OF OPERATION

### PROVEN CHASSIS

- Mounted on a high-visibility, commercial chassis and available fully right and left dualized with chassis OEM components
- The typical chassis features a 200 hp engine and five speed overdrive transmission and meets all FMVSS standards
- The short wheelbase on choice of Cab-Over or conventional provides a tight turning radius
- The unique full air ride suspension provides comfort during transport, and the ability to deflate airbags and provide a ridged axle for sweeping and dumping stability

### EASY IN-CAB OPERATION

- A center-mounted console provides access to all sweeper controls from either driving position. 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 independent 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



# OPTIONAL ENHANCEMENTS



## CAB-OVER CHASSIS

Cab-Over chassis provide outstanding visibility, comfort, safety and productivity. The short wheel base and unique steering geometry allows for maximum maneuverability.



## 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.



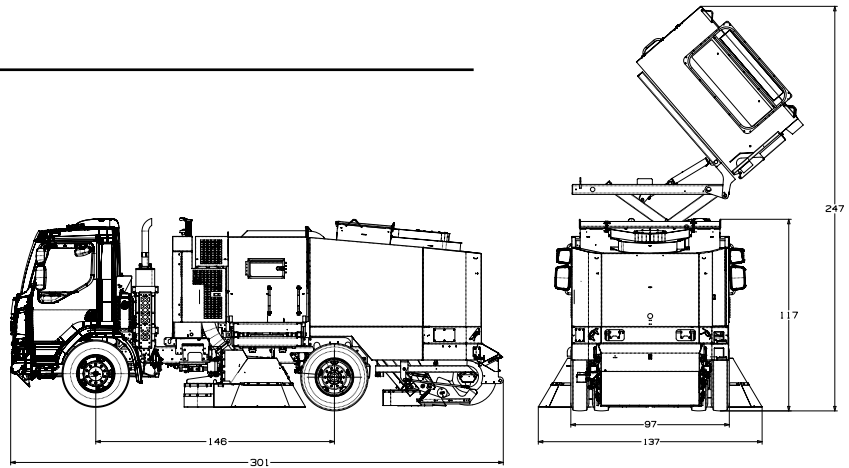
## IN-CAB SIDE BROOM TILT

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

## ADDITIONAL OPTIONS

- Rotating beacon or strobe light
- Carbide/boron dirt shoes
- Poly side brooms
- A wide variety of industrial safety lights
- 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 sweeper and chassis options.



## GENERAL SPECIFICATIONS

Travel speed: Highway speed, 65 mph  
 Sweep System: No-Jam chevron conveyor belt  
 Sweeping Path (max): 10 ft (3,048 mm)  
 Hopper Capacity (volumetric): 4.5 yd<sup>3</sup> (3.5 m<sup>3</sup>)  
 Dust Suppression: Waterless dust control system or with water  
 Auxiliary Water System: 320 gal (1,210 L) used with dust suppression system  
 Dumping Height (max): 10 ft (3,048 mm)  
 Dump Location: Right side, variable height  
 Engine: JD4045 T4F

## 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:



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 Subsidiary of Federal Signal Corporation  
 1300 W. Bartlett Road  
 Elgin, Illinois, U.S.A. 60120-7529  
 (847) 741-5370 Phone  
 (847) 742-3035 Fax  
 www.elginsweeper.com

ISO-9001 and PM-10 Advantages

Industrial FaceBook page: facebook.com/ElginIndustrialSweeping

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