RELIEABLE, SERVICEABLE, SIMPLE.

The Elgin innovation team traversed the country, speaking to hundreds of customers at all levels within the street sweeping industry, both municipal and contractor, in pursuit of true voice-of-the-customer insights. Months of real-world prototype testing and feedback refined the sweeper design to provide customers with exactly what they want and need, while proving the reliability and durability along the way. The input of service technicians, operators, and street sweeping supervisors shaped every detail of the new RegenX® mid-dump regenerative air street sweeper. Easy to use, easy to clean, and easy to maintain while delivering the quality and proven technology that is the hallmark of Elgin Sweeper products.

The new RegenX was built by Elgin, but designed by you.

Why RegenX®

- Available on Non-CDL* 26K GVW Chassis
- Roll-off Dump Height with 50° Dump Angle and 8 yd³ Hopper
  - Avoid double-handling, driving back to the facility to dump, and environmental ground-dumping restrictions
- Incredibly Easy to Clean
  - Simple hopper – rounded corners and external self-dumping dust separator
  - Easy-access washout doors for dust separator and pickup head
  - Cable-controlled drop-down screens standard
- Easy to Service
  - Easy to access components with locations determined by experienced service technicians
  - Bolt-on wear parts wherever possible (dust separator, hopper inlet, etc.)
  - Simple design with no control modules for sweeper functions
- Reliable
  - Better cleanout and easier serviceability
  - Highly efficient dust separator and large screen surface area reduce carryover and sand blasting
  - Overall simple design – less moving parts, more uptime

Don’t take our word for it – Call your dealer & request a demo!

*May vary based on local rules and regulations
Sweep System

Auxiliary Engine
Make: John Deere 4045T
Type: 4 cylinder, turbocharged diesel
Displacement: 2.76 cu. in. (4.5 L)
Horsepower: 74 (55 kW) @ 2400 RPM
Torque: 224 ft-lbs (304 Nm) @ 1600 RPM
Oil Filter: Spin-on full flow

Auto Shutdown: Low oil pressure, high coolant temp, hydraulic oil level, fuel temp, intake manifold air temp, water-in-fuel, very high soot loading

Electronic Throttle

Instrumentation / Controls
Rocker Switches: Central console
Display That Indicates: Tachometer, Engine Hour Meter, Oil Pressure, Coolant Temperature

Electrical System
Voltage: 12 volt
Sweeper Engine Alternator: 75 amperes

General Specifications

Sweeping Path:
- Pickup Head Only: 90 in (2,286 mm)
- Pickup Head & One Side Broom: 117 in (2,971 mm)
- Pickup Head & Two Side Brooms: 144 in (3,658 mm)

Travel Speed:
- Up to highway speed

BLOWER
Drive: Direct 2-groove banded power belt with spring-loaded idler belt tensioner
Blower Construction: Hardox brand steel
Blower Housing: 7 gauge (4.6 mm) Steel

Side Broom
Diameter: 42 in (1067 mm)
Disc Construction: Steel plate
Speed: Constant
Drive: Hydraulic motor, protected by relief valve
Mounting: Free floating trailing arm
Motion: Pneumatically inward/outward, raised/lowered
Adjustment: Inward/outward, forward/backward
Digging: Pressure/wear control pneumatic in cab
Sweep Position: Fully extended or in front of pickup head with optional full retract feature
Type: Segment set disposable

Hydraulic System
Purpose: Powers hydraulic motors on side brooms, activates hopper dump cycle, and raises/lowers pickup head
Hydraulic Pump Capacity: 7.7 GPM (29 LPM) @ 2500 RPM
Reservoir Capacity: 11 gal (42 L)
Filter: 10 micron, spin-on type

Debris Hopper
Volumetric Capacity: 8 yd³ (6 m³)
Effective Dump Angle: 50°
Dust Separator: Self-dumping, centrifugal with cleanout doors

Spray Water System
Water Tank Construction: Polyethylene
Water Tank Capacity: 265 gal (1003 L)
Fill Hose: 16 ft 8 in (5,080 mm)
Pump Type: Diaphragm with run-dry capability with HI or LO selectable pump speeds
Pump Capacity: 8 GPM (30 LPM)
Pump Pressure: 40 PSI (2.7 bar)
Spray Nozzles: (Total of 9)
- 3 in suction tube
- 40 PSI (2.7 bar)

Lifting: Hydraulic, two double acting cylinders
Hopper Dump Door: Hydraulic open/close and lock/unlock
Hopper Dumping Control:
- Lever on right side of unit
- In-cab dumping controls optional
Hopper Screens: Hinged, pneumatic drop down control on right side of unit, steel
Dump Height: Minimum of 56 in

Spray Water System

Available Enhancements
- Dual side broom scrub
- In-cab hopper dump
- Broom hour meter
- Left and right hand toolbox
- Aux. lighting packages
- In-cab side broom tilt
- Variable broom speed
- Auxiliary hydraulic system
- Wandering hose 8 in (203 mm) diameter
- LifeLiner® Hopper System
- Stainless steel hopper
- Hopper inspection door
- Hopper deluge washout system
- Hopper drain
- Centerbroom in pick-up head
- High/low pressure washdown
- Pickup head camera
- Left hand side camera
- Auxiliary water tank capacities
- PM-10 water system
- Extended warranty
- Idle down no water
- Flow blocker
- Hydraulic oil temperature shutdown

Paint
Powder Coated, standard Elgin white and gray

Chassis
Available on conventional and non-CDL chassis - consult factory

Warranty
1 year parts and labor

Engine
Consult Factory

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Federal Signal Corporation is listed on the NYSE by the symbol FSS

Specifications subject to change without notice.