

Built By Elgin® **X** Designed By You

RELIABLE, 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®

X Available on Non-CDL* 26K GVW Chassis

X 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

X 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

X 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

X 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

ELGIN
Subsidiary of Federal Signal Corporation

SWEEP SYSTEM

AUXILIARY ENGINE

Make John Deere 4045T
Type 4 cylinder, turbocharged diesel
Displacement 276 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

Indicator lamps Full load, screen down, hydraulic oil level
Indicator lamps (when optioned); hopper up, door open, hydraulic oil temp

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

SWEEP SYSTEM – COMPONENTS

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

PICKUP HEAD

Length 90 in (2,286 mm)
Head Area Approx. 2,700 in² (17,420 cm²)
Hose Diameters
 - Pressure: 14 in (355 mm)
 - Suction: 13 in (330 mm)
Control Hydraulic raising and lowering
Vacuum Enhancer External, cable-controlled with in-cab lever
Hose Connection Quick disconnect type near pickup head at lower area of suction hose and upper area of suction hose
Hose Construction Flexible rubber steel reinforced

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

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

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)
 - Quick release brass for ease of cleaning or service
 - 3 in suction tube
 - 6 (3 each) side brooms
Controls Hi-Lo off switch in cab
Filter 100 mesh, cleanable
Fittings Prestomatic Push-To-Lok type with thermoplastic tubing

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

SWEEPER
1 year parts and labor

ENGINE
Consult Factory

Your Elgin Dealer is:



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