General Specs

Sweep Path:
- Main broom only: 60”
- Main broom & one side broom: 90”
- Main broom and 2 side Brooms: 120”

Chassis:
- Commercial Class 7
- Wheel Base: Chassis dependent

Warranty:
- Sweeper: 1 year parts & labor

Sweeper Engine

Make: Cummins Qsf 2.8 L
Type: 4 cylinder
Displacement: 2.8 L
Horsepower: 74 @ 2500 RPM
Torque: 221 lb. ft. (299 Nm)
Aspiration: Turbo charged

Main Broom

Type: Prefab disposable Polypropylene filled
Diameter: 34” (864 mm)
Broom Material: Polypropylene
Length: 60” (1,473 mm)
Core Type: Disposable steel tube
Speed: Variable with engine RPM
Drive: Hydraulic motor with direct drive
Digging Pressure & Wear Control: Closed loop control hydraulic spring
Lift control: Hydraulic
Mounting: Full-floating trailing arm
Down Pressure Indicator: In-cab dial

Side Broom

Type: Disposable 5 or 6 segment, plastic
Diameter: 46” (1,168 mm)
Broom material: 26” wire (660 mm)
Disc Construction: Steel
Speed: Reversible and variable with engine RPM
Drive: Full hydraulic
Digging Pressure & Wear Control: Pneumatic spring
Lift control: Pneumatic
Flexibility: Free-floating and full side-ways oscillation
Mounting: Trailing Arm
Down Pressure Indicator: In-cab gauge

Conveyor

Type: Belt with molded-in rubber cleats
Material (belt): Rubber reinforced fabric
Speed: Variable with auxiliary engine RPM
Cleat Clearance: Settable 1” to 4”, in cab raisable up to 6” while sweeping
Adjustment: Jack screw
Lift Control: Hydraulic
Cascade Washdown: With fill diverter

Instrumentation/Controls

Warning Lamps & Chime:
- Low hydraulic oil
- Conveyor stall

Warning Lamps:
- Hydraulic oil temperature
- Hydraulic oil filter restriction
- Low water spray
- Broom position
- Hopper position
- Water tank level

Electrical System (Sweeper)

Twelve Volt Negative Ground System
60 amp alternator
Battery: 12v 1000 CCA
Circuit Protection: Activated by ignition switched constant duty solenoid (except lights)
Wiring: Hot stamp identified with weatherproof connectors

Hydraulic System (Sweeper)

Sweep System Pump: Triple section gear pump
Capacity: 13.5 GPM @ 1200 RPM
Fittings: O-ring face seal
Reservoir Capacity: 35 gal (132 l)
Inlet strainer: 100 mesh
Return filter: 6 micron
Filter Restriction Indicator
Breather: 10 micron
Cooler: Externally mounted
Valves: Electro-hydraulic

Available Enhancements

- LED strobe
- Arrow stick
- Automatic lubrication system
- Fire extinguisher
- Broom camera system (rear standard)
- Front spray bar
- Hydrant wrench
- Lighting bundles
- Squeegee with rubber edging
- Extended side broom reach
- In-cab controlled variable speed side brooms

Paint

Body: High-gloss white powdercoat
Custom colors available
Undercarriage: Grey powdercoat

Chassis

Autocar Xpert, Freightliner M2, or International 4300.
Contact your Elgin Dealer for detailed chassis specifications.

Warranty

Sweeper:
- 1 year parts and labor

Engine:
- Consult Factory

Your Elgin Dealer is:

Elgin Sweeper Company
1300 W. Bartlett Rd.
Elgin, Illinois, U.S.A. 60120-7529
847-741-5370 Phone
847-742-3035 Fax
www.elginsweeper.com

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Hopper

Volumetric Capacity: 4.5 yd³ (3.4 m³)
Material volume: 3.5 yd³ (2.5 m³)
Hopper Lift and Dump Controls:
- Electro/Hydraulic in-cab

Inspection Door

Offload:
- Right Side
- Minimum dump height: 38” (965 mm)
- Maximum dump height: 11’ 2” (3,404 mm)
- Maximum hopper dump angle: 50º
- Design Lift capacity: 1,000 lb (4,990 kg)
- Lifting mechanism: Two stage with hydraulic cylinders

Water Spray System

Tank construction: Polyethylene
Tank capacity: 360 gals (1362 l)
Fill Hose: 16’ 8” (5,080 mm) with 2.5” (64 mm) NST hydrant coupling
Pump: Electric diaphragm
Spray nozzles: 3 across main broom and over each gutter broom
Water Filter: 80 mesh plastic housing
Controls: In cab pump control and flow control valves at each side broom

Body: High-gloss white powdercoat
Custom colors available
Undercarriage: Grey powdercoat

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