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  Variable with engine RPM, adjustable on side of machine
Drive  Full hydraulic
Digging Pressure & Wear Control
- Closed loop control hydraulic spring
- Lift control  Hydraulic
- Flexibility  Free-floating and full sideways oscillation
- Mounting  Trailing Arm
- Down Pressure Indicator  In cab dial

Conveyor

Type  Squeegee with rubber edging
Material  (elevator bottom) Bolt-in multi section abrasion resistant steel plates
Speed  Variable with engine, forward and reverse
Flexibility  Lift independent (for large object passage)
Drive  Reversible hydraulically-driven steel chain on polyurethane sprockets
Clearance  Lifttable to 12” (305 mm) for bulk object passage
Adjustment  Hydraulic chain adjuster
Lift Control  Hydraulic
Cascade Washdown  With fill diverter

Instrumentation/Controls

Warning Lamps & Buzzer
- 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
Circuit Protection  Activated by ignition switched constant duty solenoid (except lights).
Wiring  Hot stamp identified with weatherproof connectors

Hydraulic System (Sweeper)

Sweep System Pump  Quad gear pump
Capacity  24 GPM @ 1,200 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

Paint

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

Chassis

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

Hopper

Volumetric Capacity  5.45 yd³ (4.16 m³)
Material volume  3.8 yd³ (2.9 m³)
Dumping  Right side
Hopper Lift and Dump Controls
- Hydraulic in-side
Inspection Door
- Offload
  - Right Side
  - Minimum dump height 38” (965 mm)
  - Maximum dump height 11’ 2” (3,404 mm)
Design Lift capacity  11,000 lbs (4,990 kg)
Lifting mechanism  Two stage scissors with hydraulic cylinders

Water Spray System

Tank construction  Polyethylene
Tank capacity  360 gals (1,362 l)
Fill Hose  15’0” (4,572 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

Available Enhancements

- Outside cab, side broom down pressure control
- Outside cab, main broom down pressure control
- LED strobe
- Arrow stick
- Automatic lubrication system
- Fire extinguisher
- Broom camera system (rear standard)
- Front spray bar
- Hydrant wrench
- Lighting bundles
- In cab side broom speed
- Cleated belt conveyor

Warranty

Sweeper  1 year parts and labor
Engine  Consult Factory

Your Elgin Dealer is:

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Effective 6/19
Specifications subject to change without notice.
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