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

Engine (Freightliner M2)
Make: M2 Cummins ISC with DEF
Type: 6 cylinder
Displacement: 8.3 L
Horsepower: 260 @ 2200 RPM
Torque: 660 lb. ft. (898 Nm)
Aspiration: Turbo charged

Main Broom
Type: Prefab disposable
Polypropylene filled
Diameter: 34” (864 mm)
Broom Material: Polypropylene
Length: 60” (1,524 mm)
Core Type: Disposable steel tube
Speed: Constant
Drive: Hydraulic motor with direct drive
Digging Pressure & Wear Control
Closed loop hydraulic spring
Lift Control: Hydraulic
Mounting: Full-floating trailing arm
Down Pressure Indicator: In cab dial

Side Broom
Type: 5 or 6 segment plastic disposable
Diameter: 46” (1188 mm)
Broom material: 26” wire (660 mm)
Disc Construction: Steel
Speed: Adjustable on side of machine
Drive: Full hydraulic
Digging Pressure & Wear Control
Pneumatic, from cab
Lift Control: Pneumatic
Flexibility: Free-floating and full sideways oscillation
Mounting: Trailing Arm

Conveyor
Type: Squeegee with replaceable rubber edging
Material (elevator bottom): Bolt-in multi section abrasion resistant steel plates
Speed: Constant, forward and reverse
Flexibility: Lift independent (for large object passage)
Drive: (forward and reverse)
Hydraulic motor
Adjustment: Hydraulic chain adjuster
Lift Control: Hydraulic (independent of rear broom)
Ground Clearance: Liftable to 12” (305 mm) for bulk object passage
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 (Chassis)
Twelve Volt Negative Ground System
160 amp alternator
Battery: 2- Group 31, 1850 CCA
Circuit Protection: Activated by ignition switched constant duty solenoid (except lights)
Wiring: Hot stamp identified with weatherproof connectors

Hydraulic System
Sweep System Pump
Variable displacement
Capacity: 22 gpm
Fittings: O-ring face seal
Reservoir Capacity: 23 gal
Inlet Strainer: 100 mesh
Return Filter: 6 micron
Filter Restriction Indicator: 10 micron
Breather: Externally mounted
Valves: Electro-hydraulic

Hopper
Volumetric Capacity: 4.5 yd³ (3.4 m³)
Material Volume: 3.3 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: 11,000 lb (4,990 kg)
Lifting mechanism: Two stage scissors with hydraulic cylinders

Water Spray System
Tank Construction: Polyethylene
Tank Capacity: 360 gallons (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 control

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

Chassis
Freightliner M2, Autocar Xpt, or International 4400. Contact your Elgin Dealer for detailed chassis specifications.

Warranty
Sweeper: 1 year parts and labor
Engine: Consult Factory

Your local Elgin Dealer is:

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