

**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** 136"  
**Warranty** Sweeper, 1 year parts & labor

**ENGINE (FREIGHTLINER M2)**

**Make** M2 Cummins L9  
**Type** 6 cylinder  
**Displacement** 8.9 L  
**Horsepower** 260 @ 2200 RPM  
**Torque** 860 lb. ft. (1,166 Nm)  
**Aspiration** Turbo charged  
**\*Compressed Natural Gas (CNG)**  
 Chassis Available

**MAIN BROOM**

**Type** Prefab disposable  
**Polypropylene** filled  
**Diameter** 34" (864 mm)  
**Length** 60" (1,524 mm)  
**Core Type** Disposable steel tube  
**Speed** Constant  
**Drive** Hydraulic motor with direct drive  
**Digging Pressure & Wear Control**  
 Variable geometry spring  
**Lift Control** Hydraulic  
**Mounting** Full-floating trailing arm

**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  
**Mounting** Free floating trailing arm  
**Motion Pneumatically** inward/outward, raised/lowered

**AVAILABLE ENHANCEMENTS**

- Chevron conveyor belt
- LifeLiner® Hopper Lining
- Outside cab, side broom down pressure control
- LED strobe
- Arrow stick
- Automatic lubrication system
- Broom camera system (rear standard)
- Front spray bar
- Lighting packages
- In cab side broom tilt and extended reach

**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** Lifiable 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)**

**Voltage** 12 V.D.C. / negative ground  
**Alternator** 160 amp  
**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** 15.3 gpm  
**Fittings** O-ring face seal  
**Reservoir Capacity** 23 gal  
**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 powdercoat  
**Custom colors available**  
 Undercarriage: Grey powdercoat

**CHASSIS**

Freightliner M2.  
 Contact your Elgin Dealer for detailed chassis specifications.

Your local Elgin Dealer is:



**HOPPER**

**Volumetric Capacity** 4.5 yd<sup>3</sup> (3.4 m<sup>3</sup>)  
**Material Volume** 3.3 yd<sup>3</sup> (2.5 m<sup>3</sup>)  
**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** 50°  
**Design lift capacity** 11,000 lb(4,990 kg)  
**Lifting mechanism** Two stage scissors with hydraulic cylinders

**WATER SPRAY SYSTEM**

**Tank Construction** Polyethylene/SS  
**Tank Capacity** 360 gallons (1,363 L)  
**Fill Hose** 15' 0" (4,572 mm) with 2.5" (64 mm) NST hydrant coupling  
**Pump** Electric diaphragm  
**Spray Nozzles** 3 total: 3 main broom, 3 left, 3 right side brooms  
**Water Filter** 80 mesh / plastic housing  
**Controls** In cab pump control and flow control valves at each side broom

**HYBRID SYSTEM**

**Architecture** Parallel - electric or mechanical drive  
**Mode Selection** None - fully automated  
**Battery Type** Lithium Ion / high voltage  
**Controls** Battery Management System  
**Plug-in Charging** Level 2 (J1772) 6.6 kW or higher recommended  
**Pause Sweep** Energy Conservation System

**WARRANTY**

**SWEEPER**  
 1 year parts and labor  
**ENGINE**  
 Consult Factory  
**HIGH-VOLTAGE BATTERY**  
 Consult Factory



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 Specifications subject to change without notice.  
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