



Sweep System – Components

General Specifications

Measured sweeping path (with 36" side broom):

- Suction nozzle only
35 in. (890 mm)
- Suction nozzle and one side broom
52 in. (1320 mm)
- Suction nozzle and extension broom
78 in. (1981 mm)
- Suction nozzle, extension, and one side broom
95 in. (2413 mm)
- Dual suction nozzles, side brooms and extension broom
144 in. (3658 mm)

Blower

- Drive Fluid coupler and 5-groove banded power belt with adjustable idler pulley
- Speed 3400 RPM
- Blower Rating 20,000 CFM (562 m³/min.) @4000 RPM
- Blower Construction Abrasion resistant steel
- Blower Housing 10 gauge (3.4 mm) steel, linatex lined for extended wear

Vacuum Nozzle and Hoses

- Nozzle Width 30 in. (762 mm)
- Pickup Area 174 in² (1119 cm²)
- Construction Abrasion resistant steel components
- Hose Connection Quick disconnect type at lower area near vacuum nozzle
- Hose Construction Flexible rubber, steel reinforced
- Hose 11 in. (280 mm) inside diameter

Side Broom

- Diameter
 - 28 in (711 mm) on 133" WB Sterling SC8000
 - 36 in (914 mm) on 152" WB Sterling SC8000
 - 36 in (914 mm) on 164" WB Freightliner M2 Disc
- Construction Steel plate
- Speed Constant
- Drive Hydraulic motor, protected by relief valve
- Mounting Free floating trailing arm
- Motion Pneumatically inward/outward, raised/lowered
- Tilt Adjustment Inward/outward, forward/backward
- Digging Pressure/Wear Control Pneumatic in cab
- Type Segment set disposable
- Material Oil tempered steel wire

Extension Broom

- Diameter 16 in. (406 mm)
- Length 54 in. (1372 mm)
- Speed Constant
- Drive Hydraulic motor, protected by relief valve
- Digging Pressure/Wear Control Pneumatic outside cab

- Lift Control Pneumatic from control panel
- Type Polypropylene prefab, disposable
- Location Center of sweeper

Debris Hopper

- Volumetric Capacity 8.0 yds³ (6.0 m³)
- Floor Angle 10°
- Dump Angle 50°
- Construction 10 gauge (3.4 mm) steel sides and top, 1/4" gauge (6.4 mm) steel floor
- Lifting Double acting hydraulic cylinder
- Hopper Dump Door Hydraulic open/close and lock/unlock
- Full Load Indicator Weight actuated with in-cab warning light
- Hopper Screens Hinged, quick release, steel
- Safety Prop Steel bar under body and inside rear door
- Hopper Dumping Controls Hydraulic levers on right side of unit

Spray Water System

- Water Tank Construction Dual polyethylene, removable
- Water System Capacity 335 gal. (1268 L) standard
- Pump Type Twin diaphragm with run-dry capability
- System Flow 8 GPM (30 LPM) (2 - 4 GPM Pumps)
- System Pressure 40 PSI (2.8 bar)
- Spray Nozzles (Quick Disconnect Type)
 - 7 inside each suction nozzle
 - 4 at extension broom
 - 2 at each side broom
- Controls On/off at control panel
- Filter 100 mesh, cleanable
- Anti-Siphon Fill Standard
- Hydrant Fill Hose 16 ft. 8 in. (5080 mm) with coupling

Hydraulic System

- Purpose: Powers hydraulic motors on side broom, extension broom, and hopper cycle
- Hydraulic Pump Capacity 8.3 GPM (31 LPM) @ 2500 RPM, each section (16.6 GPM Total)
- Hydraulic Pump Direct gear driven, tandem type
- Reservoir Capacity 23 gal (87 L)
- Filter 10 micron, spin-on type with in-cab restriction indicator



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Sweep System – Power

Engine

- Make John Deere 4045 TF275
- Type 4 cylinder Turbocharged Diesel
- Displacement 276 in³ (4.5 L)
- Horsepower 115 (86 kW) @ 2500 RPM
- Fuel Tank Capacity 50 gal (189 L)
- Air Cleaner Two stage, dry type
- Oil Filter Spin-on, full flow

Electrical System

- Alternator 95 amperes
- Battery 12 volt, 1000 CCA
- Lights Side broom, rear clearance, rear identification
- Reversing Safety Electric back-up alarm, sweep components raise automatically
- Circuit Breakers Manual reset
- Wiring Harnesses Color coded, function stamped and labeled every 4 in (100mm)

Major Options

- Extra 280 Gallon Water For total of 615 gal
- High Volume 13 inch Leaf Suction Hose(s)
- Wandering Hose
- Side Broom Tilt
- Front Spray Bar
- Stainless Steel Hopper Floor, Sides & Rear Door
- LifeLiner® Hopper Liner
- Inspection Doors
- Rear Flood Light(s)
- Rotating Beacon Light
- Automatic Lubrication System
- Variable Broom Speed
- PM-10 Compliant
- LED Clearance Lighting
- 10yd³ Hopper
- Auxiliary Hydraulic System
- In Cab Dumping Controls
- High Pressure Washdown

Your local Elgin Dealer is:



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