

Sweep System - Power

Engine

Make John Deere 4045 Tier II
Type 4 cylinder Turbocharged Diesel
Displacement 276 in³ (4.5 L)
Horsepower 99 (75 kW) @ 2500 RPM
Fuel Tank Capacity 50 gal (189 L)
Air Cleaner Two stage, dry type
Oil Filter Spin-on, full flow
Auto Shutdown for high temp/low oil pressure with visual indicator
Engine Pre-Cleaner Standard

Sweep System - Components

General Specifications

Sweeping path:

Suction nozzle only
 30 in (762 mm)
Suction nozzle and one side broom
 50 in (1270 mm)
Suction nozzle and extension broom
 83 in (2108 mm)
Suction nozzle, side and extension broom
 102 in (2591 mm)

Blower

Drive Fluid Coupler
Speed 2500 RPM
Blower Rating 15,560 CFM (441 m³/min.) @ 2500 RPM
Blower Construction Abrasion resistant steel vanes
Blower Housing 10 gauge (3.4 mm), rubber 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 pickup head
Hose Construction Flexible rubber, steel reinforced smooth bore
Hose 11 in (280 mm) inside diameter
Automatic Shutter Door

Options

<p>Dual Sweeping Left side vacuum nozzle and hose assembly, side broom, water system, pivoting extension broom</p> <p>Wandering Hose 8 in. (203 mm.) inside diameter, 12 ft. (3658 mm.) long, hydraulic power assisted, boom supported</p> <p>Automatic Lubrication System</p> <p>Diesel Cold Weather Start Aid</p>	<p>Side Broom Tilt</p> <p>Front Spray Bar</p> <p>Stainless Steel Hopper</p> <p>Floor, Sides and Rear Door</p> <p>Epoxy Hopper Liner</p> <p>Inspection Door</p> <p>Hydraulic Aux. Pump</p> <p>Rear Flood Light(s)</p> <p>Rotating Beacon Light</p> <p>Infinitely Variable Side Broom Speed</p> <p>Beacon or Flood Light Protector</p> <p>High Pressure Wash Down</p>
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Instrumentation

Tachometer, hour meter, oil pressure, fuel, volt-meter, engine temperature, air intake restriction indicator, hydraulic filter restriction indicator, low spray water, hopper up, full load indicator

Side Broom

Diameter 28 in (711 mm)
Disc Construction Steel plate
Speed Constant
Drive Hydraulic motor, protected by relief valve
Mounting Free floating trailing arm
Adjustment Inward/outward, forward/backward
Digging Pressure/Wear Control Pneumatic in cab
Lift Control Pneumatic from control panel
Type Segment set disposable
Material Oil tempered steel wire

Extension Broom

Diameter 16 in (406 mm)
Length 60 in (1524 mm)
Speed Constant, non-reversible
Drive Hydraulic motor, protected by relief valve
Digging Pressure/Wear Control Pneumatic in cab
Lift Control Pneumatic from control panel
Type Polypropylene prefab, disposable
Location Center of sweeper

Hydraulic System

Purpose Powers hydraulic motors on side broom, extension broom, and hopper cycle
Hydraulic Pump Capacity 16 GPM (61 LPM) @ 2500 RPM
Hydraulic Pump Direct gear driven, tandem type
Reservoir Capacity 23 gal (87 L)
Filter 10 micron, spin-on type with in-cab restriction indicator

Paint

Powder Coated, standard Elgin white and gray (for other colors consult factory)

Your Elgin Dealer is:



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Electrical System

Alternator 120 amperes
Battery 12 volt, group 31, 1000 CCA
Lights Side broom, rear clearance, rear identification
Reversing Safety Electric back-up alarm, sweep components raise automatically
Circuit Breaker Auto reset
Wiring Harnesses Color coded, hot stamped and labeled every 4 in (100mm)

Debris Hopper

Volumetric Capacity 8.0 yds³ (6.0 m³)
Floor Angle 10°
Dump Angle 60°
Construction 7 gauge (4.5mm) steel sides and top, 7 gauge (4.5mm) steel floor
Lifting Double acting hydraulic cylinder
Hopper Dump Door Opens and closes hydraulically, latches automatically
Clearance required when dumping 13 ft 1 in (3988 mm)
Full load indicator Weight actuated with in-cab warning light
Hinged Hopper Screens
Safety prop Steel bar under body

Spray Water System

Water Tank Construction Polyethylene, removable
Water Tank Capacity 330 gal (1250 L)
Pump Type Centrifugal with run-dry capability
Pump Capacity 5 GPM (19 LPM)
Pump Pressure 40 PSI (2.8 bar)
Spray Nozzles 7 inside each suction nozzle
 4 at extension broom
 2 at each side broom
Controls Variable flow switches located on control panel
Filter 100 mesh, cleanable
Anti-Siphon Fill Standard
Hydrant Fill Hose 16 ft 8 in (5080 mm) with coupling

Standard Equipment

Washdown Hose 25 ft (7620 mm) with nozzle

Chassis

Consult factory

Warranty

Sweeper
 1 year parts and labor
Engine
 Consult factory



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