

## Sweep System - Power

### Engine

**Make** John Deere 4045 Tier 4 Final  
**Type** 4 cylinder diesel  
**Displacement** 276 cu in (4.5 L)  
**Bore** 4.19 in (106.43 mm)  
**Stroke** 5.0 in (127 mm)  
**Compression ratio** 19:1  
**Horsepower** 74 HP (55 kw) @ 2,400 RPM  
**Torque** 224 ft-lbs (304 Nm) @ 1,600 RPM  
**Fuel tank capacity** 35 gal (132.5 L)

## Sweep System - Components

### General Specifications

**Wheel base** 127.4 in (3236 mm)  
**Overall length** 16 ft (4877 mm)  
**Height with cab** 9 ft 10.5 in (3010 mm)  
**Width outside tires** 8 ft 6 in (2591 mm)  
**Curb to curb turning radius** 15 ft (4572 mm)

### Sweeping path:

**One side broom** 8 ft (2438 mm)  
**Two side brooms** 10 ft (3048 mm)

### Weight:

**One side broom** 13,590 lbs (6170 kg)  
**Two side brooms** 14,290 lbs (6482 kg)

**Travel speed** Up to 20 mph (32 Km/h)

**Hydrostatic drive** Single foot pedal for forward/reverse

### Hydraulic Service Brakes

#### Tires:

**Front** 11R22.5 load range H (2)  
**Rear** 215/75R17.5 load range H (2)

#### Wheels:

**Front** Steel disk type  
**Rear** Dual steel disk type mounted on alloy steel axle  
 Guide wheel with rear swing-arm suspension

### Cab

**Type** ISO mounted

Structural steel tube frame  
 Sealed w/ 100% filtered air intake, sound insulated

**Doors** Full view glass

**Opening** From rear

**Dust protection** Rubber gasket sealed

**Windows** Safety glass with tinted windshield and tinted sun visors, 360° visibility  
 Tinted upper glass

### Dome light

**Heater pressurizer with defroster** Multi-vent air disbursement

**Windshield wipers** 2 speed intermittent, with washers

**Mirrors** Inside (1); outside, dual west coast with convex inserts and (2) 10 in oval

**Seat(s)** 21 in wide deluxe foam cushion with belt(s)

**Steering** Tilt and telescoping steering column

**In- Cab Air Conditioning**

## Available Enhancements

- Dual controls - right and left side brooms, seats, and operator controls for operation from either side
- Remote adjustment
- Heated mirrors
- Side broom tilt
- Automatic lubrication system
- Lifeliner® hopper liner
- Beacon light with protector
- Strobe light with protector
- Electric side broom tilt indicator
- Broom hours and mileage recorder
- Diesel cold weather start aid
- Limb guards
- Extended warranty
- Sliding rear window
- Air suspension seat(s)
- Conveyor, lower roller washout

### Standard Accessories

Full flow oil filter, electronic engine throttle control, dual safety element dry-type air cleaner with in-cab restriction indicator, fuel filter, counterbalanced, wet sleeve

### Instrumentation

**Panel** Full vision, illuminated

**Gauges** Speedometer/odometer, tachometer, engine hour meter, engine temperature, oil pressure, voltmeter, fuel, hydraulic oil temperature, water fill, and on-board diagnostics.

### Main Broom

**Diameter** 35 in (889 mm)

**Length** 66 in (1676 mm)

**Type** Prefab. disposable, polypropylene double wrapped at both ends

**Core** Steel reversible

**Digging pressure & wear control** in cab  
 Hydraulic float

**Lift control** In-cab hydraulic raise and lower

**Drive** Hydraulic motor

**Mounting** Hydraulic cylinder suspended

**Speed** Variable with engine RPM

### Side Broom

**Type** Vertical digger

**Diameter** 36 in (914 mm)

**Disc construction** Steel plate

**Speed** Variable with engine RPM

**Flexibility** In-cab positioning hydraulic float

**Drive** Hydraulic motor

**Mounting** Free floating

**Adjustment** In/out (recoil spring), up/down

**Digging pressure/wear control**

Hydraulic, in cab, pressure sensing

**Broom material** Tempered steel wire

### Conveyor

**Type** Chevron cleat reinforced rubber belt

**Speed** Variable with engine RPM

**Flexibility** 9 in (229 mm) oscillation for large object passage

**Drive** Hydraulic motor, chain and sprocket drive

**Bearings** Sealed self-aligning, re-lube

### Debris Hopper

**Capacity volumetric** 3.6 yd<sup>3</sup> (2.8 m<sup>3</sup>)

**Material volume** 3.5 yd<sup>3</sup> (2.6 m<sup>3</sup>)

**Hopper lift and dump control** Electro-hydraulic in-cab

**Maximum dump height** Up to 9 ft 6 in (2895 mm)

**Time to tilt hopper** 17 sec

**Time to retract to working position** 21 sec

**Design lift capacity** 9,000 lbs (4,080 kg)

**Frontal dumping** Standard

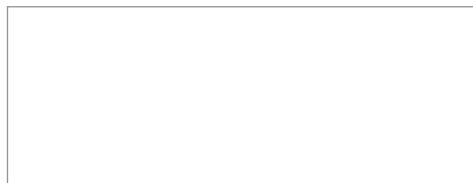
## Finish

**Undercarriage:**  
 Grey powder coat  
**Body:**  
 High gloss powder coat  
 Custom colors available

## Chassis

Chassis is fully welded;  
 formed channel and boxed  
 tube style with jack points

Your Elgin Dealer is:



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## Electrical System

**Wires** Hot stamped and color coded wiring, alternator/regulator-unitized, 95 A

**Battery** 12 volt, group 31, 925 CCA, 180 min. reserve.

**Lights** Halogen sealed multiple beam headlights, combination stop and tail lights, adjustable side broom lights, directional signals with hazard switch. Safety horn, electronic back up alarm, sweep flashers.

### Hydraulic System

**Hydrostatic drive** Electronically controlled

**Variable displacement pump**

**Variable displacement motor**

**Fittings** 'O' ring face seal type

**Reservoir capacity** 33 gal (106 L)

**Reservoir level** Externally readable

**Inlet strainer** 100 mesh

**Filter Return** 10 micron absolute, full flow

**Filter restriction indicator** In cab

**Breather/fill cap** 10 micron

### Water Spray System

**Tank construction** Polyethylene

**Tank capacity** 220 gal (832 L)

**Fill hose** 16 ft 8 in (5080 mm) with hydrant coupling

**Wash down** Integral cascade hopper/conveyor wash

**Pump** Diagram with run dry capability

**Spray nozzles** Atomizing, adjacent to each broom

**Controls** On/off, volume high/low in-cab

**Filter** Non-corrosive housing, 100 mesh screen  
 Cleanable anti-siphon fill standard

### Brake System

**Service** Multi caliper disc type

Hydraulically applied

Power assisted

**Park** Wet disc multi pack with spring applied hydraulically released push/pull activation

Interlock to prevent drive through if applied

**EcoInfused Technology®** Combining science and innovation to produce more environmentally efficient products.

## Warranty

### Sweeper

1 year parts and labor

### Engine

Consult factory



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