

## 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 (2447 mm)  
 Curb to curb turning radius 15 ft (4572 mm)  
 Sweeping path:  
 One side broom 7 ft 4 in (2362 mm)  
 Two side brooms 9 ft 6 in (2895 mm)  
 Weight:  
 One side broom 13,440 lbs (6096 kg)  
 Two side brooms 14,140 lbs (6414 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/ 75R 17.5 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, mechanical governor, 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 60 in (1524 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 3.4 yd<sup>3</sup> (2.6 m<sup>3</sup>)  
 Material volume 3.3 yd<sup>3</sup> (2.5 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

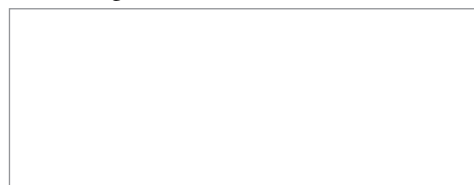
## Finish

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 207 gal (784 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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Effective 09/18  
 Specifications subject to change without notice.  
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# Pelican NE with EcoInfused® Technology

## 3 Wheel Broom Sweeper

