

## Sweep System - Power

### Engine

**Make** John Deere 4045TF150  
**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** 17:1  
**Horsepower** 99 HP (74 kw) @ 2,500 RPM  
**Torque** 274 ft-lbs (372 Nm) @ 1,400 RPM  
**Fuel tank capacity** 35 gal (132.5 L)

### 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 and water fill

## Sweep System - Components

### General Specifications

**Wheel Base** 127.4 in (3236 mm)  
**Overall Length** 16 ft 0 in (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

### Hyd service brakes

### Tires:

**Front** 11R22.5 14ply (2)  
**Rear** 10R17.5 16 ply (2)

### Wheels:

**Front** Steel disk type  
**Rear** Dual steel disk type mounted on alloy steel axle  
 Sprung guide wheel

### Cab

**Type** ISO mounted

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

**Doors** See-thru with sliding upper windows

**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 dispurment

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

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

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

**Steering** Tilt and telescoping steering column

### 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

### Gutter 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** Oil 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

## Electrical System

Hot stamped and color coded wiring, alternator/regulator-unitized, 120 ampere, **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 (5080mm) with hydrant coupling

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

**Pump** Twin 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

## Available Enhancements

### Waterless Dust Control

**Dual controls** - right and left side brooms, seats, and operator controls for operation from either side for sweeping in direction of traffic

### Remote adjustment

Heated mirrors

Side broom tilt

Automatic lubrication system

Polyurethane hopper liner

Air conditioner in-cab

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

Litter hose

Front Broom

## Finish

Powder Coat:

Undercarriage in standard

Elgin gray

Body in choice of

186 colors

Consult factory for color chart

## Chassis

Fabricated and welded

heavy steel, 1/4 channel

section and 3/8 side-

plates, two tow hooks

front and rear with jack

points

## Your Elgin Dealer is:



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## Warranty

### Sweeper

1 year parts and labor

### Engine

Consult factory



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Specifications subject to change without notice

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