

## 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 100 HP (75 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; cup holders  
 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 15 ft 10 in (4826 mm)  
 Height with cab 9 ft 7 in (2921 mm)  
 Width outside tires 8 ft 6 in (2591 mm)  
 Turning radius sweeping 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)

### Cab

Type Full, 14 gauge steel  
 Doors See-thru with sliding bubble windows  
   Opening From rear  
   Dust protection Rubber gasket sealed  
 Windows Safety glass with tinted windshield and padded sun visors, over 5000 sq in (3.23 m<sup>2</sup>) glass area, 360° visibility  
 Windshield wipers 2 speed with washers  
 Mirrors Inside (1); outside, dual west coast with convex inserts and (2) 6 in. eyeball (152 mm)  
 Seat(s) Foam cushion with belt(s)  
 Hydrostatic drive Single foot pedal for forward/reverse without clutch or shifting  
 Tires:  
   Front 11R22.5 14 ply (2)  
   Rear 9R17.5 16 ply (2)  
 Wheels:  
   Front Steel disk type  
   Rear Dual steel disk type mounted on alloy steel axle

### 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 Hydraulic/chain  
 Lift control In-cab hydraulic raise and lower  
 Drive Chain drive  
 Mounting Spring, shock absorber snubbed  
 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 Positive hydraulic positioning with spring cushion float  
 Drive Chain and sprocket/gear  
 Adjustment Up/down  
 Digging pressure/wear control Hydraulic/spring  
 Broom material Tempered steel wire

### Conveyor

Type Multiple ply reinforced rubber belt  
 Speed Variable with engine RPM  
 Flexibility 9 in (229mm) oscillation for large object passage  
 Drive Hydraulic gerotor motor, chain and sprocket drive  
 Bearings Sealed self-aligning, re-lube

### Debris Hopper

Capacity volumetric 3.5 yd<sup>3</sup> (2.7 m<sup>3</sup>)  
 Material volume 3.2 yd<sup>3</sup> (2.5 m<sup>3</sup>)  
 Hopper lift and dump control 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 17 sec

## Electrical System

Hot stamped and color coded wiring, alternator/regulator-unitized, 120 ampere, auto reset circuit breakers. **Battery** - 12 volt, group 31, 925 CCA, 180 min. reserve. **Lights** - sealed multiple beam headlights, combination stop and tail lights, adjustable side broom lights, directional signals with hazard switch. Safety horn, electronic back up alarm, auto reset circuit breakers

Design lift capacity 9,000 lbs (4,080 kg)  
 Frontal dumping Standard

### Hydraulic System

Hydrostatic Drive  
 Variable displacement pump  
 Variable displacement motor  
 Fittings 'O' ring face seal type  
 Reservoir capacity 28 gal (106 L)  
 Reservoir level Externally readable  
 Inlet strainer 100 mesh  
 Filter, return 10 micron, full flow with bypass  
 Filter restriction indicator In cab  
 Breather 10 micron, spin-on

### Water Spray System

Tank construction Polyethylene  
 Tank capacity 180 gal (681 L)  
 Fill hose 16 ft 8 in (5080mm) with hydrant coupling  
 Wash down Integral cascade hopper/conveyor wash  
 Pump Centrifugal, 5 gpm at 40 psi (19LPM @ 2.8 bar)  
 Spray nozzles Atomizing, adjacent to each broom  
 Controls On/off, variable in-cab  
 Filter Non-corrosive housing, 100 mesh screen

## Options

Dual controls - right and left side brooms, seats, and operator controls for operation from either side for sweeping in direction of traffic	Fresh air heater/ with defroster and cab dome light
Hydraulic main broom suspension - spring suspended, with positive power hydraulic positioning, position indicator in cab to show position of main broom & side brooms	Sprung guide wheel strut
Automatic lubrication system	Beacon light
Polyurethane hopper liner	Strobe light
Air conditioner in-cab	Light protector for beacon or strobe
	Electric side broom position indicator
	Broom mileage recorder
	Diesel cold weather start aid
	Limb guards
	Additional 40 gal (151 L) water tank
	Extended warranty
	Sliding rear window
	Litter Hose

## Finish

Powder Coat:  
 Undercarriage in standard Elgin gray. Body in choice of 186 colors.  
 Consult factory for color chart.

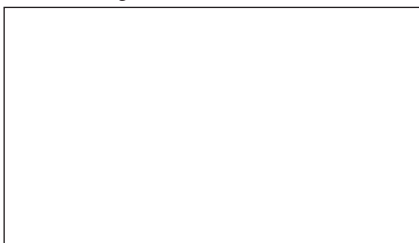
## Chassis

Unitized, fabricated and welded heavy steel plate, wishbone reinforced, 7 gauge, two tow hooks front and rear

## Warranty

<b>Sweeper</b>	<b>Engine</b>
1 year parts and labor	Consult factory

## Your Elgin Dealer is:



Subsidiary of Federal Signal Corporation

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