

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 19:1
Horsepower 74 HP (55 kw) @ 2,200 RPM
Torque 195 ft-lbs (265 Nm) @ 1,700 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 10R17.5 load range H (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 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 dispurment
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

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
- Air conditioner in-cab
- 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 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 yds (2.8 m³)
Material volume 3.5 yds (2.6 m³)
Hopper lift and dump control Electro-hydraulic in-cab
Maximum dump height Up to 9 ft 6 in (2895 mm)

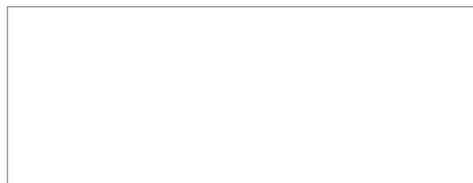
Finish

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-untized, 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.

Debris Hopper (cont.)

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

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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Specifications subject to change without notice.
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