

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 yd³ (2.8 m³)

Material volume 3.5 yd³ (2.6 m³)

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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Effective 1/07

Specifications subject to change without notice

P/N: 0705332-A