

Sweep System - Power

Engine

Make John Deere 4045TF150
Type 4 cylinder, turbocharged diesel
Displacement 276 cu. in. (4.5 L)
Horsepower 115 (75 kW) @ 2500 RPM
Torque 291 ft-lbs (395 Nm) @ 1400 RPM
Oil Filter Spin-on full flow
Air Cleaner Dual safety element dry type

Sweep System - Components

General Specifications

Sweeping path:

Pickup Head only
 90 in (2,286 mm)
Pickup Head & one Side Broom
 117 in (2,971 mm)
Pickup Head & two Side Brooms
 144 in (3,658 mm)
Travel speed Up to highway speed

Blower

Drive Direct 5-groove banded power belt with automatic adjusting idler pulley
Speed 4000 RPM
Blower Rating 20,000 CFM (562 m³/min.)
Blower Construction abrasion resistant steel
Blower Housing 10 gauge (3.4 mm) Steel, rubber lined for extended wear

Pickup Head

Length 90 in (2,286 mm)
Head Area Approx. 2,700 in² (17,420 cm²)
Hose Diameters
Pressure 14 in (355 mm)
Suction 10 in (254 mm)
Control Hydraulic raising and lowering
Vacuum Enhancer Electrical, in-cab control
Hose Connection Quick disconnect type near pickup head at lower area of suction hose
Hose Construction Flexible rubber steel reinforced

Options

Auxiliary Hydraulic System
Auto Shutdown For Low Oil / High Temp
In Cab Hopper Dump Controls
In Cab Controlled Side Broom Tilt
Rotating Beacon or Strobe Light
Light Guard
Automatic Lubrication System
Diesel Cold Weather Start Aid-Auxiliary Engine
Wandering Hose 8 in (203 mm) diameter, 12 ft (3658 mm) long, hydraulic power assisted, boom supported
Rear Flood Light(s)
Hand-held Lifter Hose
Front Spray Bar
Right-side Hopper Inspection Door
Left-side Hopper Inspection Door
Lifestart Hopper Lining
Hopper Deluge Washout System
Aluminum Refillable Side Broom Segments
Auxiliary Water Tanks one 140 gal capacity or two 140 gal capacity (280 gal 1060 L total)
High Pressure Washdown with 24 in hand lance, 30 ft hose
Extended Warranty

Instrumentation

Rocker switches in swivelling and rotating console containing:
 Tachometer, hour meter, oil pressure, fuel, voltmeter, coolant temperature, spray water level gauge, hopper up, hopper rear door open, full load indicator

Side Broom

Diameter 42 in (1067 mm)
Disc Construction Steel plate
Speed Constant
Drive Hydraulic motor, protected by relief valve
Mounting Free floating trailing arm
Motion Pneumatically inward/outward, raised/lowered
Adjustment Inward/outward, forward/backward
Digging Pressure/wear control pneumatic in cab
Sweep Position Fully extended or in front of pickup head
Type Segment set disposable

Debris Hopper

Volumetric Capacity 8 yd³ (6 m³)
Dump Angle 42 degrees
Floor Angle 10 degrees
Dust Separator Self-cleaning, centrifugal
Lifting Hydraulic, two-stage telescoping cylinder
Hopper Dump Door Hydraulic open/close and lock/unlock
Hopper Dumping Control Hydraulic levers on right side of unit
Hopper Screens Hinged, quick release, steel

Paint

Powder Coated, standard Elgin white and gray

Turbo charged engine John Deere 4045TF 115 hp
Side Air Blast(s)
Pick-Up Head Caster Wheels

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Electrical System

Voltage 12 volt
Sweeper Battery Rating 925CCA
Sweeper Engine Alternator 95 amperes

Hydraulic System

Purpose Powers hydraulic motors on side brooms and activates hopper dump cycle
Hydraulic Pump Capacity 7.7 GPM (29 LPM) @ 2500 RPM
Hydraulic Pump Direct Gear Drive
Reservoir Capacity 23 gal (87 L)
Filter 10 micron, spin-on type

Spray Water System

Water Tank Construction Polyethylene with lifetime warranty against rust-thru
Water Tank Capacity 240 gal (908 L)
Fill Hose 16 ft 8 in (5,080 mm)
Pump Type Centrifugal with run-dry capability
Pump Capacity 15 GPM (57 LPM)
Pump Pressure 20 PSI (1.4 bar)
Spray Nozzles Total of 18
 7 in pickup head
 3 in suction tube
 6 (3 each) side brooms
 2 in hopper entry
Controls On-off switches in-cab
Filter 100 mesh, cleanable

Chassis

Consult Factory

Warranty

Sweeper
 1 year parts and labor
Engine
 Consult Factory

ELGIN

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