

## Vacuum System - Components

### Blower

**Drive** Fluid coupler and 5-groove banded power belt with adjustable idler pulley

**Speed** 2600 RPM

**Blower Rating** 30,000 CFM (843 m<sup>3</sup>/min.)

**Blower Construction** Abrasion resistant steel

**Blower Housing** 10 gauge (3.4 mm) steel, linatex lined for extended wear

### Rear Vacuum Hose

**Hose Connection** Quick disconnect type at rear of hopper

**Hose Construction** Flexible rubber, steel reinforced

**Hose** 12 in. (305 mm) inside diameter  
164 in (4166 mm) length

### Articulated Hose Boom

Double articulated, both joints hydraulic powered  
Hydraulic raise and lower

**Lift Capacity** 830lb - 1400lb depending on articulation

**Boom Controls** Wired pendant with up/down, left/right swing, and articulate, engine throttle control

### Debris Hopper

**Volumetric Capacity** 10 yds<sup>3</sup>-13 yds<sup>3</sup> (6.0 m<sup>3</sup>-12.0 m<sup>3</sup>)

**Floor Angle** 10°

**Dump Angle** 50°

**Construction** 10 gauge (3.4 mm) steel sides and top, 1/4" gauge (6.4 mm) steel floor

**Lifting** Double acting hydraulic cylinder

**Hopper Dump Door** Hydraulic open/close and lock/unlock

**Full Load Indicator** Weight actuated with in-cab warning light

**Hopper Level Indicator**

**Hopper Screens** Hinged, quick release, steel

**Safety Prop** Steel bar under body and outside rear door

**Hopper Dumping Controls** Push button on right side of unit

**In Cab Dumping Controls** Standard

### Spray Water System

**Water Tank Construction** Dual polyethylene, removable

**Water System Capacity** 335 gal. (1268 L) standard

**Pump Type** Triple diaphragm with run-dry capability

**System Flow** 23 GPM

**System Pressure** 290 PSI (20 bar)

**Spray wand** with ball valve

**Controls** On/off at control panel

**Filter** 100 mesh, cleanable

**Anti-Siphon Fill** Standard

**Hydrant Fill Hose** 16 ft. 8 in. (5080 mm) with coupling

### Hydraulic System

**Purpose:** Powers boom, spray pump, and hopper cycle

**Hydraulic Pump Capacity** 8.3 GPM (31 LPM) @ 2500 RPM, each section (16.6 GPM Total)

**Hydraulic Pump** Direct gear driven, tandem type

**Reservoir Capacity** 23 gal (87 L)

**Filter** 10 micron, spin-on type with in-cab restriction indicator

### If Equipped with Optional Sweep Gear Single Left, Right, or Dual

#### General Specifications

Measured sweeping path (with 36" side broom):

Suction nozzle only

35 in. (890 mm)

Suction nozzle and one side broom

52 in. (1320 mm)

Suction nozzle and extension broom

78 in. (1981 mm)

Suction nozzle, extension, and one side broom

95 in. (2413 mm)

Dual suction nozzles, side brooms and extension broom 144 in. (3658 mm)

### Vacuum Nozzle and Hoses

**Nozzle Width** 30 in. (762 mm)

**Pickup Area** 174 in<sup>2</sup> (1119 cm<sup>2</sup>)

**Construction** Abrasion resistant steel components

**Hose Connection** Quick disconnect type at lower area near vacuum nozzle

**Hose Construction** Flexible rubber, steel reinforced

**Hose** 11 in. (280 mm) inside diameter

### Extension Broom

**Diameter** 16 in. (406 mm)

**Length** 54 in. (1372 mm)

**Speed** Variable

**Drive** Hydraulic motor, protected by relief valve

**Digging Pressure/Wear Control** Pneumatic outside cab

**Lift Control** Pneumatic from control panel

**Type** Polypropylene prefab, disposable

**Location** Center of sweeper

### Side Broom

**Diameter**

36 in (914 mm) WB Chassis Specific Construction

Steel plate

**Speed** Variable

**Drive** Hydraulic motor, protected by relief valve

**Mounting** Free floating trailing arm

**Motion** Pneumatically inward/outward, raised/lowered

**Tilt Adjustment** Inward/outward, forward/backward

**Digging Pressure/Wear Control**

Pneumatic in cab

**Type** Segment set disposable

**Material** Oil tempered steel wire

## Major Options

**Extra 280 Gallon Water** For total of 615 gal

**Side Broom Tilt**

**Front Spray Bar**

**Stainless Steel Hopper Floor, Sides & Rear Door**

**LifeLiner® Hopper Liner**

**Inspection Doors (10 yd)**

**Rear Flood Light(s)**

**Rotating Beacon Light**

**Automatic Lubrication System**

**Auxiliary Hydraulic System**

**High Pressure Washdown ILO standard pump**

## Blower System - Power

### Engine

**Make** John Deere 4045 TF

**Type** 4 cylinder Turbocharged Diesel

**Displacement** 276 in<sup>3</sup> (4.5 L)

**Horsepower** 115 (86 kW) @ 2400 RPM

**Fuel Tank Capacity** 50 gal (189 L) Cab Over 100 gal (378 L) Conventional

**Air Cleaner** Two stage, dry type

**Oil Filter** Spin-on, full flow

## Electrical System

**Alternator** 95 amperes

**Battery** 12 volt, 1000 CCA

**Lights** Side broom, rear clearance, rear identification

**Reversing Safety** Electric back-up alarm, sweep components raise automatically

**Circuit Breakers** Manual reset

**Wiring Harnesses** Color coded, function stamped and labeled every 4 in (100mm)

**LED Clearance Lighting** Standard

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