**Sweep System—Power**

**Engine**
- Make: John Deere 4045 Tier 4 Final
- 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) @ 2,400 RPM
- Torque: 224 ft-lbs (304 Nm) @ 1,600 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)
- Carb 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**
- Front: 11R22.5 load range H (2)
- Rear: 215/75R 17.5 load range H (2)
- Wheels:
  - Front: Steel disk type
  - Rear: Dual steel disk type mounted on alloy steel axle
- Guide wheel with rear swing-arm suspension

**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 disposal

**Windshield wipers:** 2 speed intermittent, with washers

**Mirrors:**
- Inside (1); outside, dual west coast with convex inserts and (2) in oval
- Seat(s): 21 in wide deluxe foam cushion with belt(s)

**Steering:**
- Tilt and telescoping steering column

**In-Cab Air Conditioning**

**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
- Strobe light with protector

**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
- Lift control: In-cab hydraulic raise and lower
- Drive: Hydraulic motor
- Mounting: Hydraulic cylinder suspended
- Speed: Variable with engine RPM

**Side Broom**
- Type: Vertical 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 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

**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, adjustable to each broom
- Controls: On/off, volume high/low-in-cab
- Filter: Non-corrosive housing, 100 mesh screen

**EcoInfused Technology®** Combining science and innovation to produce more environmentally efficient products.

**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

**Warranty**
- **Sweeper:** 1 year parts and labor
- **Engine:** Consult factory

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