**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)
- **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)
- **Travel speed**: Up to 20 mph (32 Km/h)
- **Sweep System–Components**
- **Hydrostatic drive**: Single foot pedal for forward/reverse
- **Hydraulic Service Brakes**: Guide wheel with rear swing-arm suspension
- **Cab**: ISO mounted Structural steel tube frame
- **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 disbursement
- **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
- **In-Cab Air Conditioning**:
- **Conveyor**: Lower roller
- **Lifeliner® hopper liner**
- **Automatic lubrication**
- **Heated mirrors**
- **Remote adjustment from either side**
- **Strobe light with protector**

### Sweep System – Power

#### 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 diameter
- **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**: 5.5 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 retract**: 17 sec
- **Time to tilt hopper**: 17 sec
- **Design lift capacity**: 9,000 lbs (4,080 kg)
- **Frontal dumping**: Standard

### Sweep System – Power

#### Water Spray System
- **Tank construction**: Polyethylene
- **Tank capacity**: 220 gal (832 L)
- **Fill hose**: 16 ft 8 in (5080 mm) with hydrant coupling
- **Discharge**: 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
- **Cleansable anti-siphon fill standard

#### Brake System
- **Service**: Multi caliper disc type
- **Hidraulically 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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