**Sweep System – Power**

**Engine**
- Make: John Deere 4045T/F150
- Type: 4 cylinder diesel
- Displacement: 270 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)

**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
- Drive:
  - Front: In-cab positioning hydraulic float
  - Rear: Free floating

**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 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" wide deluxe foam cushion with belts(s)
- Steering: Tilt and telescoping steering column

**Available Enhancements**
- Waterless Dust Control
- 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
- Air conditioner in-cab
- Beacon light with protector
- Stroke 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

**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

**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
- Speed: Variable with engine RPM

**Lift control**
- In-cab hydraulic raise and lower
- Drive: Hydraulic motor

**Mounted**
- Hydraulic cylinder suspended
- In cab hydraulic raise and lower
- 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: Tempered steel wire

**Conveyor**
- Type: Chevron clear reinforced rubber belt
- Speed: Variable with engine RPM
- Flexibility: 9 in. (229 mm) oscillation for large object passage

**Drive**
- Hydraulic motor
- 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**

**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: External readtable
- 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 (5080 mm) with hydraulic coupling
- Washdown: Integral cascade hopper/convex washer
- 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
- Cleanable anti-siphon fill standard

**Brake System**
- Service: Multi Caliper Disc type
- Hydraulically applied
- Power Assisted
- Park: - Wet Disc multi pack with sprayer applied hydraulically released push/pull activation
- - Interlock to prevent drive through if applied

**Finish**
- Powder Coat:
- Undercarriage in standard Elgin gray
- Body in choice of 186 colors

**Chassis**
- Chassis is fully welded: formed channel and boxed tube style with jack points

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

Your Elgin Dealer is:

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