Sweep System – SharedPower

**Auxiliary Engine**
- **Make:** John Deere 4045T Tier 4 Final
- **Type:** 4 cylinder, turbocharged diesel
- **Displacement:** 276.4 cu. in. (4.5 L)
- **Horsepower:** 74 (55 kW) @ 2400 RPM
- **Torque:** 224 ft-lbs (304 Nm) @ 1600 RPM
- **Oil Filter:** Spin-on full flow
- **Air Cleaner:** Dual safety element dry type
- **Auto Shutdown For Low Oil / High Temp Electronic Throttle**

**Instrumentation / Controls**
- **Rocker switches in central console gauges:**
  - Tachometer, hour meter, oil pressure, fuel, voltmeter, coolant temperature, spray water level gauge, hopper up, hopper rear door open, full load indicator

**Electrical System**
- **Voltage:** 12 volt
- **Sweeper Battery Rating:** 1000CCA
- **Sweeper Engine Alternator:** 95 amperes

**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 adjustable idler pulley
- **Blower Construction:** Hardox brand steel
- **Blower Housing:** 10 gauge (3.4 mm) Steel, replaceable urethane-lined for extended wear

**Availability Enhancements**
- **Glycol recovery system**
- **MemorySweep®**
- **Broom hour meter**
- **Full broom retract**
- **In-cab vac enhancer control**
- **Enhanced water control**
- **Aux. lighting packages**
- **In-cab side broom tilt**
- **Variable broom speed**
- **Auxiliary hydraulic system**
- **Wandering hose**
  - 8 in (203 mm) diameter
- **Auto lubrication system**
- **LifeLiner® Hopper System**
- **Stainless steel hopper**
- **Hopper inspection door(s)**
- **Hopper deluge washout system**
- **Hopper drain**

**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
- **Powers hydraulic motors on side brooms and activates hopper dump cycle**
- **Valve Type Segment set disposable**

**Hydraulic System**
- **Purpose:** Powers hydraulic motors on side brooms and activates hopper dump cycle
- **Hydraulic Pump Capacity:** 7.7 GPM (29 LPM) @ 2500 RPM
- **Reservoir Capacity:** 7.7 GPM (29 LPM) @ 2500 RPM
- **Filter:** 10 micron, spin-on type

**Debris Hopper**
- **Volumetric Capacity:** 8 yd³ (6 m³)
- **Effective Dump Angle for FSX:** 50 degrees
- **Dust Separator:** Self-cleaning, centrifugal
- **Lifting:** Hydraulic, two-stage telescoping cylinder

**Available Enhancements**
- **Paint**
  - Powder Coated, Standard Elgin white and gray

**Chassis**
- **Consult factory**

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

*Specifications subject to change without notice.
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