**Sweep System – SharedPower**

**SharedPower System (Patented Issued 4/21/2015 US # 9,010,467 B2)**
Chassis power is used to boost system performance by providing power to the auxiliary engine; either through excess horsepower available from the chassis engine or by reclaiming energy from chassis regenerative braking.

**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

### Pickup Head
- **Length:** 90 in (2,286 mm)
- **Head Area:** Approx. 2,700 in² (17,420 cm²)
- **Hose Diameter:**
  - **Pressure:** 14 in (355 mm)
  - **Suction:** 12 ½ in (324 mm)
- **Control:** Hydraulic raising and lowering
- **Vacuum Enhancer:** External, manually controlled
- **Hose Connection:** Quick disconnect type near pickup head with optional full retract feature
- **Hose Construction:** Flexible rubber steel reinforced

### 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
- **Digging:** Pressure/wear control pneumatic in cab
- **Sweep Position:** Fully extended or in front of pickup head with optional full retract feature
- **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:** 23 gal (87 L)
- **Filter:** 10 micron, spin-on type

### Debris Hopper
- **Volumetric Capacity:** 8 yd³ (6 m³)
- **Effective Dump Angle:** 50 degrees

### Spray Water System
- **Water Tank Capacity:** 240 gal (908 L)
- **Pump Type:** Diaphragm with run-dry capability
- **Pump Pressure:** 40 PSI (2.7 bar)
- **Spray Nozzles:** Total of 16 (21, with optional centerbroom)
- **Fittings:** Prestomatic Push-To-Lok type with thermoplastic tubing

### Available Enhancements
- Alt fuel package
- Glycol recovery system
- FSX Airport
- Application System
- MemorySweep®
- Boom 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
- Stainless steel hopper

### Paint
- Powder Coated, Standard Elgin white and gray

### Chassis
- Available on commercial cab-over and conventional Consult factory

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

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**Sweeper Battery Rating:** 1000CCA
**Sweeper Engine Alternator:** 95 amperes

**Specifications subject to change without notice.**

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P/N 0705299-0

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