Searching for a solution that eliminates maintaining and servicing an auxiliary engine on a regenerative air sweeper? Elgin Sweeper Company has the answer. The Crosswind® eliminates all things associated with a diesel auxiliary engine, providing value to customers that extends beyond having one less engine. The Crosswind® has undergone years of customer focused testing and validation; ensuring a design that exceeds expectations!

**ELIMINATES:**
- Maintaining two engines
- Complex aftertreament system, and maintenance
- Untimely auxiliary engine regenerations
- Cost exposure resulting from “missed” auxiliary engine regenerations
- Cumbersome belt tensioning systems
- Auxiliary engine noise and vibration

**CUSTOMER FEEDBACK:**
- Increases productivity
- Easy to use and learn; single push-button on-the-fly operation
- Quiet operation
- Reduces daily checks

**EXHAUSTIVELY PROVEN OVER:**
Years of testing and validation, with thousands of miles and hours in operation, and customers market driven feedback to ensure a design that exceeds expectations.
**Sweep System - Single-Engine**

**Variable Speed Device (VSD)**
Replaces auxiliary engine; installed between the chassis engine and the Allison transmission.

In “Road Mode” VSD produces 1:1 speed ratio between chassis and transmission.

In “Work Mode” VSD allows chassis accelerator pedal to control input to transmission and engine speed remains constant - fan speed is adjustable.

Singular in-cab push button control
No parking brake requirement
No complex EPA off-highway aftertreatment system

**Single-engine System**
Make: Variable Speed Device
Type: Planetary Gearbox Design
Horsepower: 240 (179 kW) approved input rating
Torque: 560 ft-lb approved input rating
Air Cleaner: Dual safety element dry type
Alarm: For Low Hyd Oil / High Hyd Temp

**Chassis Engine**
Make: Cummins ISB 6.7 or equivalent
Type: in-Line 6 cylinder, turbocharged diesel
Displacement: 409 cu. In. (6.7 L)
Horsepower: 200 (150 kW) @ 2400 RPM
Torque: 520 ft-lbs (708 Nm) @ 1600 RPM
Fuel Tank Capacity: 50 gal (189 L)

**Electrical System**
Chassis Battery Rating: 12 volt
Sweeper Battery Rating: 1000CCA
Chassis Engine Alternator: 160 amperes

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

**VSD mounted Oil Level Sight Gauge**

**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 Jaw-type coupling with hydraulic 2.87 cu-in (47 cc) displacement bent axis motor
Blower Construction: Hardox brand steel
Blower Housing: 10 gauge (3.4 mm) Steel, replaceable urethane-lined for extended wear

**Pipe Diameter**
Length: 90 in (2,286 mm)
Head Area: Approx. 2,700 in² (17,420 cm²)
Hose Diameters
- Pressure: 14 in (355 mm)
- Suction: 12 3/4 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

**Available Enhancements**
- Glycol recovery system
- FSX Airport Application 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
- Wandering hose 8 in (203 mm) diameter
- Auto lubrication system
- LifeLiner® Hopper System
- Stainless steel hopper
- Hopper inspection door(s)
- Hopper deluge washout system
- Quiet Pak™ acoustical insulation on front winging and access doors
- Hopper drain
- Center broom in pick-up head
- High/low pressure washdown
- Auxiliary water tank capacities
- Water system air purge
- PM-10 water system
- Caster pick-up head wheels
- Full-width magnet
- Cast aluminum side air blast nozzle
- Aluminum refillable side broom segments
- Extended warranty

**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
VSD: 3 year parts and labor

Your Elgin Dealer is:

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Specifications subject to change without notice.
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*Chassis dependent
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