SINGLE-ENGINE 4 WHEEL VACUUM SWEEPER

Searching for a solution that eliminates maintaining and servicing an auxiliary engine on a vacuum sweeper? Elgin® Sweeper Company has the answer. The Whirlwind1™ eliminates all things associated with a diesel auxiliary engine, providing value to customers that extends beyond having one less engine. Elgin Sweeper single-engine technology has undergone years of customer focused testing and validation; ensuring a design that exceeds expectations!

ELIMINATES:
- Maintaining two engines
- Complex aftertreatment 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.
**VARIABLE SPEED DEVICE (VSD)**

Replaces auxiliary engine; installed between the chassis engine and the Allison transmission

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

“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 EFA off-highway aftertreatment system

**SINGLE-ENGINE SYSTEM**

Make Variable Speed Device

Type Planetary Gearbox Design

**Horsepower** 240 (179 kW) approved input rating

**Torque** 560 lb-ft approved input rating

**Air Cleaner** Dual safety element dry type

**Alarm** For Low Hyd. Oil / High Hyd. Temp

**CHASSIS ENGINE**

Make Cummins ISB 6.7L 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

**Lights** Side broom, rear clearance, rear identification

**REVERSING SAFETY**

Electric back-up alarm, sweep components raise automatically

**WIRING HARNESSES**

Color coded, function stamped and labeled every 4 in (100 mm)

**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

**Memory Sweep**

Sweep resume feature

**VSD Mounted Oil Level Sight Gauge**

**Available Enhancements**

- Hopper drain
- Hopper deluge washout system
- Auto-shutter
- High/low pressure washdown
- Auxiliary water tank capacities
- PM-10 water system
- Quiet Pak™ acoustical insulation on front cowling and access doors
- Extended warranty

**PAINT**

Powder Coated, Standard Elgin white and gray

Available on commercial cab-over and conventional, consult factory

**CHASSIS WARRANTY**

1 year parts and labor

VSD 3 year parts and labor

**YOUR ELGIN DEALER IS:**

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Federal Signal Corporation is listed on the NYSE by the symbol FSS

Specifications subject to change without notice.