

ELGIN®



WHIRLWIND®

A Closer Look



Need a powerful vacuum sweeper that not only cleans but is reliable, easy to operate and easy to maintain? The Elgin Whirlwind MV may be the answer. Suited for municipalities, contractors and general maintenance sweeping, the Whirlwind has evolved over three decades to bring out the best in vacuum street sweeping.

From the high performance sweep system to the user-friendly controls, the Whirlwind has been designed and manufactured to the exacting quality standards that our customers have demanded. Customized with your choice of options, the Whirlwind can be equipped with one vacuum nozzle or two, 28" (711 mm) or 36" (914 mm) side brooms, cab-over or conven-



tional chassis and more. This flexibility allows you to configure a sweeper suitable to your unique applications. And thanks to our worldwide factory trained dealer network, you can be sure of satisfaction on delivery and far down the road.

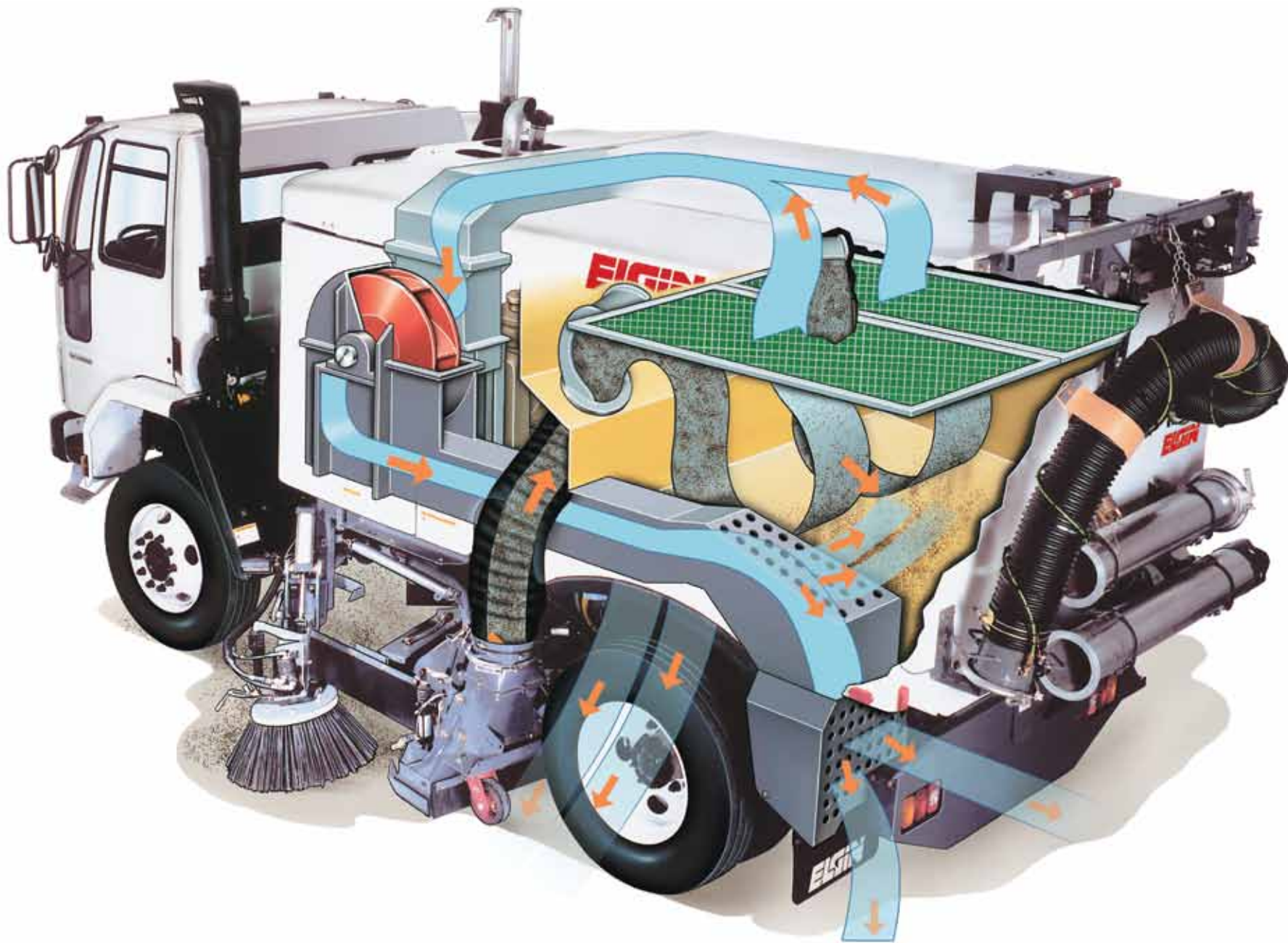


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Whirlwind MV Vacuum Street Sweeper

● Superior Fan Performance

Over the past three decades, the Whirlwind fan system has been refined to provide the optimum blend of airflow and static vacuum. Airflow is needed to carry the debris from the suction nozzle into the hopper and vacuum is needed to overcome any restrictions such as rocks or bulky debris. The Whirlwind fan has a rating of 20,000 CFM of airflow and can produce up to 68" of water column vacuum. More power means less time on the same street increasing operator productivity with one pass pickup.

● Productive Sweeping System

The sweep system includes a suction nozzle, trailing arm side brooms and a centrally mounted extension broom. You can choose between a single or dual 32 inch (813 cm) welded steel suction nozzles. The 11 inch (280 mm) suction hose accepts large debris. Quick disconnect allows an operator to inspect and clean the hose intake tube without raising the hopper. The nozzle extends 9 inches (229 mm) beyond the tire track for increased performance at the curb.

● Dual Engine Design

Power to the sweep system is provided by a John Deere® 4045T Tier 3 Emission compliant, 4 cylinder, turbocharged engine rated at 115 HP (86kW) @ 2500 RPM. Reliable, powerful and fuel efficient.

● Extension Broom

The 54 inch (1372 mm) hydraulically driven extension broom operates at an 18 degree windrow angle directing the material into the path of the nozzle enhancing the sweep and pickup performance.

● Side Brooms

You can choose between 28 inch (711 mm) or 36 inch (914 mm) diameter free floating trailing arm side brooms that can be operated individually or simultaneously for an incredibly wide 12 foot (3658 mm) sweep path. Side brooms have inward motion to prevent damage when sweeping around fixed obstacles.

● Efficient Dust Suppression

Two-corrosion resistant tanks supply the dust suppression system with 335 gallons (1268 L) of water. Optional tank provides an additional 360 gallons (1364 L). Spray nozzles positioned at the side brooms, nozzle and extension broom feature long life, quick disconnect fittings.

● Quick, Complete Dumping

The 8 cubic yard (6 cubic meter) hopper is constructed of 10 gauge steel walls, a ¼ inch (6.35 mm) thick floor with easy drop down screens for quick cleanup. A 50 degree tilt angle ensures efficient dumping. Hopper controls are safely accessible on the curb side of the sweeper. In-cab dump controls are an option.

● Operator Friendly Controls

All sweep and water functions use simple rocker switches located on a centrally mounted console for easy operation. Air regulators provide positive side broom down pressure, and separate switches control the side broom in/out and up/down function. High/low water spray flow rate is standard. Easy to read gauges provide quick assessment of all sweep and engine systems.



Elgin's exclusive Memory Sweep® allows the operator to resume all previous sweeper settings, even broom tilt if so equipped, with one touch control enhancing operator productivity. Memory Sweep incorporates a multi-screen display that indicates engine hours, water level and system diagnostics. It also displays optional features such as broom tilt angle and broom hours.

Maximum Maneuverability

- Its compact design and short wheelbase on a conventional or cab-over chassis provide exceptional maneuverability and a tight turning radius. The standard auto pickup in reverse allows for quick change of sweeping locations.

Easy Maintenance Access

- Major system components are protected from the elements and are easily accessible for service and inspection without tilting the hopper. The engine oil can be checked, hydraulic filter changed, pneumatic pressure verified and fan bearings greased from the ground or an optional work platform.



Options



Third Front Broom

This third broom is attached to an arm that reaches out in front of the truck and into corners. It helps the sweeper follow tight turns and increases the sweeping width, allowing the broom to reach places the other brooms cannot.



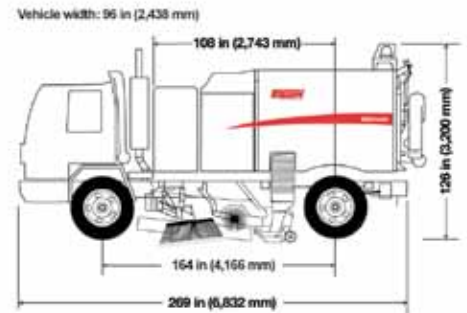
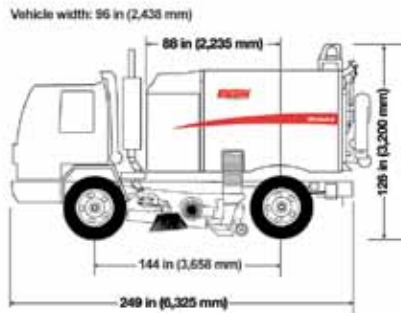
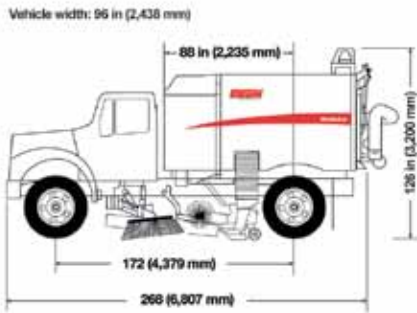
Wandering Hose

The Whirlwind MV handles up to four tubes for deep catch basin cleaning. Each 4-foot tube is lightweight, yet sturdy, and constructed out of noncorrosive aluminum. A hydraulic assist makes operation easy and reduces operator fatigue.



LifeLiner® Hopper System

The LifeLiner® hopper system, a specially designed hopper liner and finish system greatly improves the life, durability, and functionality of a sweeper hopper.



Additional Options

- Variable Broom Speed
- 10 yd³ Hopper (7.6 m³)
- Front Spray Bar
- Inspection Doors
- Rear Flood Light(s)
- Rotating Beacon/Strobe Light

- Automatic Lubrication System
- Hopper Deluge
- Auxiliary Hydraulic System
- High-Pressure Washdown
- In-Cab Side Broom Tilt
- Low-Pressure Washdown

- Fuel/Water Separator
- Auto Nozzle Shutter
- PM-10 Package

(Photos and illustration shown with optional equipment.)

General Specifications

Measured Sweeping Path (with 36-inch side broom):
 Suction Nozzle Only – 32 in (813 mm)
 Suction Nozzle and One Side Broom – 52 in (1,320 mm)
 Suction Nozzle and Extension Broom – 78 in (1,981 mm)
 Suction Nozzle, Extension and One Side Broom – 95 in (2,413 mm)
 Dual Suction Nozzles, Side Brooms and Extension Broom – 144 in (3,658 mm)

Your Elgin Dealer is:



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Warranty

Elgin Sweeper Company backs the Whirlwind MV sweeper with a one-year limited warranty. The Whirlwind MV is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty details.



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ISO-9001 and PM-10 Advantages

The Whirlwind MV is manufactured in an ISO-9001 facility and offers an optional package to meet PM-10 requirements for compliance with SCAQMD Rule 1186. John Deere is a registered trade mark of Deere & Company.