

# ELGIN®



# MEGAWIND®

# Megawind® Combination Leaf & Debris Vacuum, Catch Basin Cleaner & Street Sweeper

**Versatility, Maneuverability, Power and Performance in One Package**



Whether the task at hand includes picking up leaves, street sweeping, preventing basin loading or cleaning basins and inserts to remove debris before it moves down the system the new Megawind® from Elgin Sweeper is for you. You can even tackle the removal of broken concrete or pavement pieces with ease. The Megawind combination leaf and debris vacuum, catch basin cleaner with optional street sweeper system delivers versatility, ease of use, power and performance to meet your vacuum truck needs.

This multipurpose truck features a 12" vacuum hose with an industry-exclusive articulating power boom that delivers 180-degree hydraulic powered rotation allowing greater hose positioning options; a high-performance vacuum system; and a choice of large-capacity, tilt dumping debris bodies. Ideally suited for municipalities with increased catch basin programs and general maintenance sweeping, this machine brings out the best in truck mounted vacuum cleaning technology.

The Megawind can be customized with a variety of options, giving you the flexibility to configure your machine to handle a variety of tough duty applications, including bridge deck work, asphalt/concrete demolition, and industrial plant clean-up.



Elgin Sweeper has a network of more than 100 dealer locations worldwide. So no matter where you work, Elgin Sweeper and your Elgin dealer are there to support and protect your investment upon delivery and for years down the road.

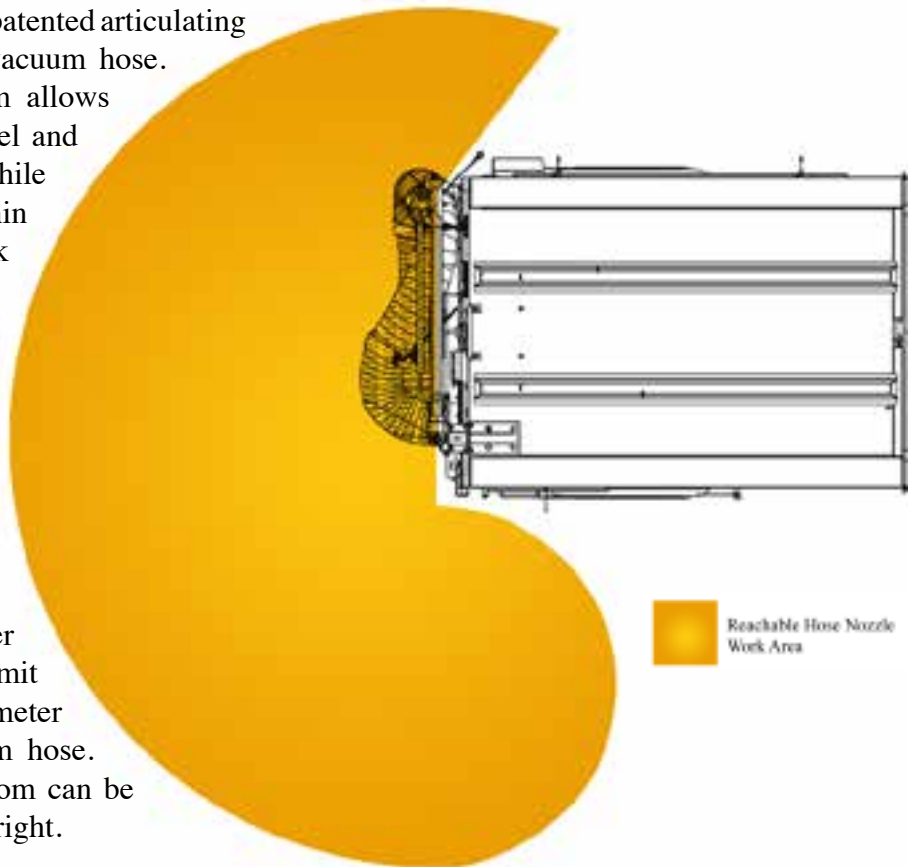


*Regular cleaning of catch basins reduces sediment loads in runoff that would otherwise end up in local waterways*

# Articulating Boom Vacuum Hose

At the heart of the Megawind is a patented articulating boom design that controls the vacuum hose.

This revolutionary boom system allows a full 180 degrees of boom travel and over 200 degrees of hose reach while allowing finger tip control within the indicated hose/nozzle work area. This system provides the operators with a wide work area as well as allowing the vacuum hose to fold inward on itself, within the rear profile of the sweeper, during transportation, dumping or while not in use. The unique design provides the operator more freedom of movement for work than other designs on the market which limit the work area to the outer perimeter set by the radius of the vacuum hose. The hydraulically articulated boom can be moved in/out, up/down, and left/right.



The Megawind's vacuum hose has a maximum lift height of nearly 14 feet when the boom is completely unfolded. The standard heavy duty flex hose diameter is 12" and is equipped with a manual rear gate-valve that allows the operator to cut off airflow to the hose and retain debris in the hopper during transport – all without using a clamp-on blanking plate. The boom is operated with a pendant control that includes: throttle up/down, shoulder in/out, elbow in/out, lift up/down, and engine control. A wireless remote control is also available. \*U.S. Patent Number: 8516649

## Catch Basin Cleaning *in Minutes!*





#### **Superior Fan Performance**

The highly efficient Megawind fan system provides the optimum blend of airflow and static vacuum, while consuming less energy. Airflow is needed to carry the debris from the suction nozzle into the hopper. Vacuum is needed to overcome restrictions such as rocks or bulky debris. The Megawind fan has a rating of 30,000 CFM of airflow and can produce up to 44 inches of water column vacuum. More airflow ensures rapid material pick-up.

#### **Dual Engine Design**

Power to the vacuum system is provided by a John Deere® 4045T Tier 3 Emission compliant, 4-cylinder, turbocharged engine rated at 115 HP (86kW) @ 2400 RPM. Reliable, powerful and fuel efficient.

#### **Articulating Boom Vacuum Hose**

The articulating boom controls the vacuum hose and allows a full 180 degrees of boom travel and over 200 degrees of hose reach while allowing hose positioning anywhere in a 10 ft radius. This system provides operators with a wide work area as well as allowing the vacuum hose to fold inward on itself, within the rear profile of the sweeper, during transportation, dumping or while not in use. Controlled with a pendant, the hydraulically articulating boom can be moved in/out, up/down, and left/right.

#### **Dedicated Pump for Catch Basin Cleaning**

A dedicated diaphragm jetter-style pump is separate from the optional dust control system pump. Designed for catch basin work, the pump delivers 290 psi and 23 gpm.

#### **Sweeper System (Optional)**

The optional sweeper system is specifically designed for bulky debris such as leaves and sticks. The components include a unique “open throat” suction nozzle, trailing arm side brooms and an extension broom. The open throat design reduces clogging and plugging associated with leaves, twigs, mud, bricks and broken pavement.

Choose single or dual 35-inch (890 mm) abrasion resistant suction nozzles. The 11-inch (279 mm) suction hose accepts large debris. The quick-disconnect feature allows an operator to inspect and clean the hose intake tube without raising the hopper. The standard nozzles are optimized for leaf and stick pick-up and utility sweeping.



### Side Brooms

36-inch (914 mm) diameter free-floating trailing arm side brooms can be operated individually or simultaneously for a 12-foot (3658 mm) sweep path. Side brooms have inward motion to prevent damage when sweeping around parked vehicles and other fixed obstacles.



For enhanced operator productivity, Elgin's exclusive Memory Sweep® allows the operator to resume all previous sweeper settings – including broom tilt, if so equipped – with one-touch control. 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.

### Efficient Dust Suppression

Two corrosion-resistant tanks supply the jetting and sweeper dust suppression system with 335 gallons (1268 L) of water. Optional tanks provide an additional 280 gallons (1060 L). The water system features long-life, quick-disconnect fittings.

### Quick, Complete Dumping

10 or 13, cubic yard (7.65, 9.94, cubic meter) hoppers are constructed of 10-gauge steel walls, a ¼-inch (6.35 mm) thick floor with 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 and in the cab.

### Easy Maintenance Access

The easier daily service is to perform, the more likely it will get done correctly and on time. 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.



### Operator Friendly Controls

Easy-to-read auxiliary engine gauges provide quick assessment of all operating conditions. Water pump controls and in-cab hopper controls use simple rocker switches located on a centrally-mounted console for easy operation. The optional sweeper system includes air regulators to provide positive side broom down pressure. Separate switches control the side broom in/out and up/down function. High/low dust suppression water spray flow rate is standard.

### Extension Broom

For enhanced sweeping and pick-up performance, the 54-inch (1372 mm) hydraulically-driven extension broom operates at a 24-degree windrow angle, directing the material into the path of the nozzle.

## Options



### LifeLiner® Hopper System

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



### Conventional Chassis

The Megawind can be mounted on a commercially available conventional chassis, for value, service and parts availability. Many operators prefer the large cab area in a conventional chassis. Conventional chassis also provide additional power train options to meet customer specific requirements.



### Lighting Packages

The Megawind Sweeper can be equipped with a variety of optional lighting packages. The lighting packages are designed for flexibility based on customer requirements and can include strobes, beacons, and arrow sticks.

## Additional Options

- Front Spray Bar
- Inspection Doors (10 yd)
- Rear Flood Light(s)
- Rotating Beacon/Strobe Light
- Automatic Lubrication System
- Hopper Deluge System
- High-Pressure Wash Down in Lieu of Jetter Pump
- Auxiliary Hydraulic System
- In-Cab Side Broom Tilt
- Fuel/Water Separator
- Auto Nozzle Shutter
- Additional Vacuum Hose Aluminum Extensions
- Precision Flow Jetter Gun

## General Specifications

### Measured Sweeping Path

Suction Nozzle Only – 35 in (890 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, Extension Broom – 144 in (3,658 mm)

## Warranty

Elgin Sweeper Company backs the Megawind sweeper with a one-year limited warranty. The Megawind 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 Sweeper dealer for complete warranty details.

Your Local Elgin Dealer is:



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1300 W. Bartlett Road  
Elgin, Illinois, U.S.A. 60120-7529  
(847) 741-5370 Phone  
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### ISO-9001 and PM-10 Advantages

The Megawind is manufactured in an ISO-9001 facility. John Deere is a registered trade mark of Deere & Company.