Call Obs A LIVI 4. Fybrid



Global M4 Hybrid Sweeper Is Industry Benchmark

The Global M4 Hybrid is a high-performance electric-hybrid street sweeper that offers unmatched reliability, safety and ease of use.

- Over 50% increase in fuel economy.
- Reduced emissions.
- Reduced noise levels.
- Travel speeds up to 60 MPH.
- ▶ State-of-the-art environmental automotive technology.
- ▶ Toughest and most rugged purpose-built mechanical sweeping system ever constructed.
- Capable of removing large amounts of debris with specially designed equal-width pick-up broom and elevator system.
- Leafgate system controlled from within the cab to ingest bulky debris such as branches and leaves.
- PM-10 water system improves air quality.
- > Safe design with high visibility and fingertip controls.
- Exceptional maneuverability.
- Available in high or low dump configurations.

- Global Environmental Products continues industry-leading innovative engineering with the introduction of the World's 1st purpose-built electric hybrid street sweeper.
- **Global Environmental Products** offers equipment with uncompromising performance, consistent quality, durability and reliability. Our comprehensive range of machines provide the right cleaning equipment for your application.

Global Environmental Products

- ▶ Reliable / Durable Equipment
- Innovative Engineering / Design
- Industry Leading Reputation
- Dedicated Customer Service
- Outstanding Sales Professionals
- Fast Parts and Service
- National Dealer Network





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Configuration

Eng	jine	
Cummins ISB-200		6 cylinder injected diesel, turbocharged and intercooled. EPA 2010
Displacement		Diesel: 409 cu in. (6.7 L)
Horsepower		Diesel: 200 HP @ 2300 RPM
Maximum Torque		Diesel: 520 lb-ft @ 1600 RPM
Cooling 38 qt (36 L) capaci System designed radiator.		38 qt (36 L) capacity, swing-away designed radiator.
Engine Oil		15 qt (14 L).
Air Cleaner		Two-stage dry with safety element.

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ion Electrical drive with two speed differential final drive. The traction system provides constant broom speed independent of vehicle speed or direction.

Range Low (sweeping mode) = 0-14 mph High (travel mode) = 0-60 mph.

Auxiliary Hydraulics

Description Tandem or Triple hydraulic pump assembly utilizes separate direct mounted gear pumps to provide high torque power to elevator, main broom and gutter brooms.

Capacity Total system – 20 gal (75L); One tank – 17 gal (64L)

SweepingSwath91 in. (2311mm) single gutter broom,
125 in. (3175mm) dual gutter broomPickup SystemBalanced componentsElevator Width58 in.(1473mm)Broom Width58 in. (1473mm)Hopper Width74 in. (1880mm)

Pickup Broom			
Туре	Disposable polypropylene.		
Size	32 in. x 58 in. (813mm x 1473mm)		
Drive	Direct hydraulic, variable speed		
Displacement	17.1 cu in./rev.		
Speeds	Variable		
Controls	Cab mounted hydraulically raised and lowered.		
Position	Self adjusting for pressure and wear.		

Gutter Broom		
Diameter	47 in.(1194mm)	
Speed	Variable	
Drive	Direct high torque hydraulic.	
Lift	Hydraulic displacement cylinders.	
Impact Protection	Hydraulic accumulators allow vertical free floating and shock absorbers allow horizontal protection.	

Gutter Broom			
Overload Protection	Motor mounted relief caps.		
Adjustments	Simple "tool free" settings, in-cab controls for tilt, pressure and wear.		
Hopper			
Capacity	5.6 cubic volumetric yards (4.28 cu meters).		
Lift	12,000 lbs (5445kg).		
Lift Method	Dual 4 in. hydraulic cylinders.		
Dump Height	116 in. (2945mm) high dump.		
Dump Behind rear wheels, similar to dur Position truck.			
Dump Control Cab mounted single rocker switch.			
Safety Lockout	Hopper lift controls automatically prevent movement while dumping.		
Location	Center mounted behind cab.		
Water Spray	/ System		

Water Spray System			
Capacity	250 gal. (946L)		
Construction Molded Polyethylene.			
Location Below frame for stability.			
Spray Nozzles	15 nozzles at various locations.		
Controls	Variable flow valves over each broom, master variable flow valve and shutoff switch in cab.		
Filter Cleanable.			
Fill Hose	15 ft (4572mm) hose located at right center body panel.		
Flevator			

center body panel.			
Elevator			
Туре	7 or 11 Flight squeegee.		
Squeegee Replaceable corded rubber tips.			
Belts	Continuous molded rubber.		
Drive Direct hydraulic, variable with forw and reverse.			
Displacement	15.8 cu in./rev.		
Protection	Hydraulic relief cartridge.		
Speed	Variable forward and reverse.		
Bearings	Four 3/16 in. triple lip sealed, high load capacity with dust seals.		
Shaft	Split shaft design.		
Back Plate	Adjustable/replaceable bolt-on.		
Throw Plate	Adjustable for fill.		



Electrical System			
Electrical Hybrid Components	Electrical generator, electrical drive motor, electrical hydraulic motor, generator control unit, motor control unit for drive motor, and hydraulic motor, and lithium-ion batteries.		
Alternator	130 amp with dust shield, 12 volt system.		
Batteries	2 – 900 CCA @ 0F; 12 volt system.		
Wiring	Sealed wire harness; Solid color coded wires, numbered and function labeled every 12 in. (305mm); sealed pre-wired solenoids; Circuite breaker protected. 12 volt system.		

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Frame 3" x 13" (76mm x 330mm) C-Channel with modular body; Front & rear tow

Instruments

Gauges Speedometer/odometer, engine tachometer/hour-meter, hydraulic oil pump tachometer, engine oil pressure, engine water temperature, voltmeter, fuel gauge and gutter broom position indicators.

Sweeper Dimensions		
Wheel Base	130 in. (3302mm)	
Length	208 in. (5283mm)	
Height	120 in.(3048mm)	
Width	102 in. (2591mm)	
Weight	16,660 lbs (7557kg)	
Paint		
Powder Coated	100% TGIC	
Body	White and black matte.	
Options		
Stainless Steel Hopper	Lifetime warranty	
PM-10	Reduces harmful particulates for improved air quality.	
In-Cab GB Tilt Control	Enhances curbline cleaning	

Air Quality Management District

Elevator Flusher

The Global M4 has been designated by the South Coast Air Quality Management District as Rule 1186 Certified for its ability to pick up and contain small-micron material. It passed the rigorous Rule 1186, PM10 Certification.

Extends elevator component life.

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