



MITRA  
KARYATAMA  
INDUSTRI

*Clean is on our mind*

# PRODUCT CATALOGUE

**GREEN MACHINES**



**955**

**STRONG  
POWERFUL  
FAST AND DURABLE  
ALL YEAR ROUND**





The GM 955 is a 6 m<sup>2</sup> mechanical sweeper supported by vacuum that combines the best of both worlds. This combined collection system is based on brushes conveying the dirt towards the cleaning path in the central area of the machine. The central cylindrical brush loads it on a mechanical elevator by rotating it in the opposite direction of the sweeper's movement. The dirt is then unloaded inside the waste container. The total dustsuppression is obtained through the combination of the above mentioned system with the depression inside the container, generated by a power fulsuction fan. This action ensures maximum cleaning effect on the sweeper's cleaning path. A series of filters located inside the waste container filter the air before releasing it in the atmosphere. This system allows the collection of bulky material at high sweeping speed as well, unlike the vacuum sweepers based on suction system only. The use of water on the brush is minimized or eliminated completely.

# GM 955

**GREEN MACHINES**



It can be used anywhere in the world- from hot, dry and dusty to freezing weather conditions.

Independent 4-wheel steering with large 22.5" wheels.

Vacuum that reduces PM10 dust emissions by up to 99% compared to air sweepers.

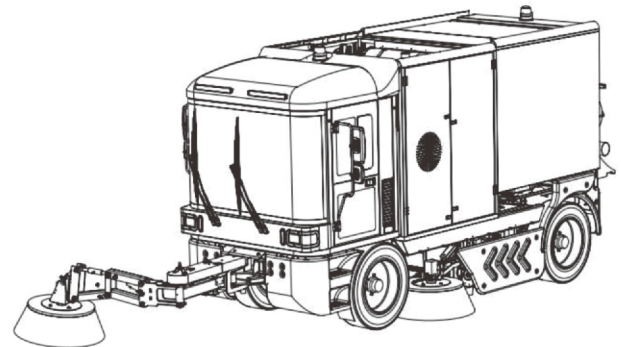
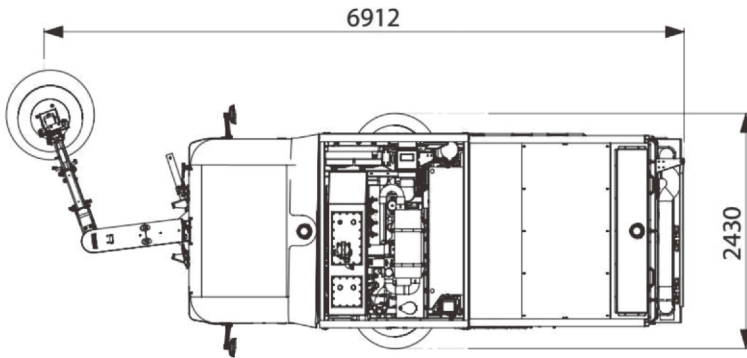
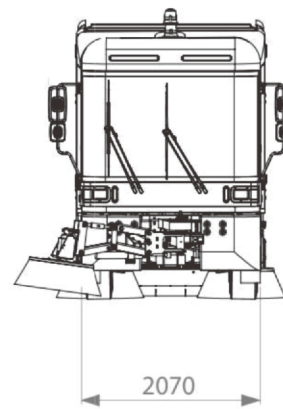
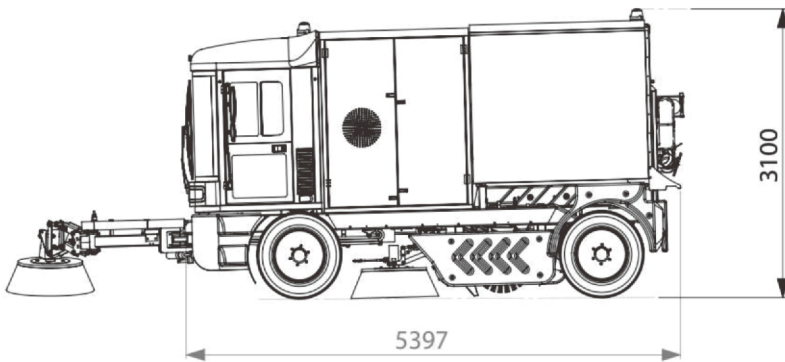
Fitted with an industrial 129 kW Mercedes Benz Engine.

Large 24 m<sup>2</sup> container filter with shaker (PM2.5)



Hydraulic height adjustment enabling to raise the machine's height to avoid obstructions such as road humps.

The tilting cabin is suspended by shock absorbers granting swift access to the engine and hydraulic systems so maintenance can be performed with ease and high efficiency, saving time and money.



## 955 Technical Specifications

### Dimensions

Length-standard machine	5.397mm	5.397mm
Length-standard machine with third brush	6.912mm	6.912mm
Width-without side brushes	2.070mm	2.070mm
Width - with brushes	2.430mm	2.430mm
Max.height	3.100mm	3.100mm

### Performance

Cleaning path width		
- with main brush	1.320mm	1.320mm
- with main brush + right and left side brushes	2.700mm	2.700mm
- with main brush + right and left side brushes + front 3rd brushes	2.600mm	2.600mm
Diameter of the brushes		
- side brushes	1.00mm	1.00mm
- main brush	650 x 1.320mm	650 x 1.320mm
- front brush	1.300mm	1.300mm
Vacuum system	560 mm fan with 8.500m <sup>3</sup> air/h	560 mm fan with 8.500m <sup>3</sup> air/h
Sweeping speed	0-20 km/kh	0-20 km/kh
Transferring speed	0-40 km/h	0-40 km/h

### Mass/capacity/weights

Gross vehicle weight	13.700 kg	13.700 kg
Water tank capacity	560 L	560 L
Fuel tank capacity	120 L	120 L

### Accessories and upgrades

### Operator cabin

Frame	Steel bearing structure
Number of seats	2
Drive	Right side (left upon request)
Air conditioning	Automatic with pressurization

### Waste container

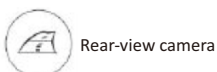
Waste container volumetric capacity	6m <sup>3</sup>
Material	Stainless steel
Dumping height	1.150 mm

### Engine

Brand	Mercedes
Model	OM904LA
Number of cilinder	4
Effective engine capacity	4.249 cc
Maximum power	129 Kw (176 Hp) 1 2200 RP
Cooling	Water cooling
Type	Turbocharge diesel
Emission acc.to :	EU Stage IIIA compliant

### Brakes/Suspension/Steering

Service and emergency brakes	Independent hydraulic oil-bath disk-brakes
parking brake	Drum-type mechanical parking brake on the transmission
Front suspension	Parabolic leaf springs and hydraulic shock absorbers
Rear suspension	Hydraulic
Steering	Power assisted hydraulic steering
Steering axle	Independent front and rear axle power steering
Wheels dimensions	295/60 R 22,5 road type tyres



Rear-view camera



Flexible suction hose



Air conditioning with pollen filter



Sound-proofed cabin



Ergonomic and adjustable seats



Large, curved windscreen for full visibility



## SWEeper FEATURES



### Dashboard

New modern dashboard panel with electronic interface based in the lower part of the steering wheel console. The display has an excellent information preview in both day and night working conditions.



### Control panel

The sweeper controls are gathered on a single console featuring simple and user-friendly buttons for each function.



### Rear-view camera

The camera has a 7" LED-display with a digital backlit screen that increases the image's contrast. It has been designed to resist the strongest mechanical shocks and it allows to monitor both the sweeper operations in reverse gear and the side brush movement.



### Normal tipping/ High dump

With the high dump option, dumping height ranges from 1150 mm to 2300 mm. It enables unloading into any location or garbage container.



### Mercedes-Benz engine

The sweeper is equipped with a Mercedes-Benz 4-cylinder turbo diesel engine. This is a low emission water-cooled engine complying with local regulations and combines fuel efficiency, high power output and low noise. The quality of the engine is backed by its worldwide service network.



### Third brush

The construction and long reach of the optional 3rd brush, both left and right, enable it to reach the areas which are most difficult to sweep.



### Side brushes

By working in the opposite direction from the sweeper's forward movement, they provide optimal cleaning of difficult surfaces. The operator can adjust the pneumatic pressure from the cabin, as well as set the brushes' rotation speed, thus reducing the maintenance cost.



### New generation CPC4-Ecan Control Unit

The GM 955 comes with the latest generation of the CPC4-Ecan control unit built in. The CPC4 control unit combined with the MCM2 electronic engine control unit constantly monitors the engine and carries out required self-diagnostics.



### Suction hose

A powerful and easy to use suction hose which collects litter, large amounts of leaves, etc. It is over 5 m long and it has been designed to clean hard-to-reach places and even heavily polluted areas such as culverts and storm drains in which litter tends to build up.



### Special Pm10 antipollution filter

Made of special microstructure fabric that collects the smallest dust particles, while allowing air to pass unobstructed through the filter membrane. This unique feature extends the filter's lifespan considerably and reduces maintenance cost without any efficiency loss.

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