GREEN MACHINES

GM636HS

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WELCOME TO THE WORLD OF GREEN MACHINES

Where Innovation Beats Imitation

Green Machines is among the oldest manufacturers of sweepers, dating back to 1965 and our first headquarters in Scotland. From the very first walk-behind sweepers with their exceptional maneuverability to state-of-the-art battery and hydrogen technology present in our sweepers, Green Machines has created a market which remains unrivaled to date. We currently operate from our offices in North Macedonia, the Netherlands, United Kingdom, Germany and USA, while we offer clients all around the world full support through our wide global dealership network. With our ambitious Green Machines vision, we plan to stay ahead of the game by bringing new product technologies to the highly demanding outdoor cleaning market.

For many years now, we have aimed to contribute decisively towards cleaner and tidier towns and cities by providing efficient and sophisticated sweeping machines. Our portfolio comprises 7 machine models and each one is unique in its own way. We offer you a wide range of choices by providing cleaning solutions that others have yet to catch up to. All of our machines are compact and swift enough to enable you to clean any urban area around the city with maximum efficiency, without worrying that they will disrupt your citizens. Our machines are purposefully designed in a way that does not impact the normal everyday functioning even of the busiest areas in your city.

OUR MISSION: ZERO EMISSIONS

Green Machines realizes that the earth's environment is under severe stress from uncontrolled human activity, threatening the survival of our society and the performance of Green Machines' mission. We are dedicated to minimizing our own impact and maximizing the effective use of resources.

Green Machines strives to develop and produce sustainable sweeping machines combined with excellent performance for a better world. Our vision is often far from the traditional approach but we are proud to take leadership in paving the path to an emissionfree world. Our vision focuses on minimizing global impact through the following guidelines:

•Help our customers reduce their carbon footprint through the use of our eco-friendly products.

•Maximize the "End of Life Environmental Value" of our products.

•Work with suppliers who promote sustainable practices.

•Participate in efforts to further improve sustainable protection and understanding among our staff and end-users across the globe.

•Listen to the voice of the customers.

KEEPS YOUR CITY **CLEAN AND GREEN**

PORTFOLIO

We have over 55 years of manufacturing experience and we are constantly improving our products based on direct customer feedback and the ongoing changes and trends on the market. Our current product portfolio comprises some of the world's most technologically advanced sweepers, and each of our machines is so unique that it is basically impossible to compare them to one another. Every machine is designed in a way that meets specific needs and we are confident that we have a machine that will meet your specific needs.

GM1ze

Fully electric, versatile, waste Vacuum Cleaner. Small manoeuvrable and Compact, ideal for any City Centre.

GM400ze/GM414

One of our latest environmental sweeper innovations, the 400ze is based on the world beating 400-series Sweeper. Compact, manoeuvrable, Operator friendly and now also Electric.

GM500ze

This marathon machine is the world's first-ever fully electric sweeper and offers lasting performance with the latest generation of Li-ion batteries. It is small, swift, and eco-friendly with superb ergonomic design. The 500ze is one of the most popular zero emission sweepers in the world.

GM500H2

The world's first-ever hydrogen fuel cell sweeper. It runs 100% on hydrogen with zero emissions, while providing the same comfort and cleaning efficiency the 500ze offers. It comes in two types: with replaceable H2 pods or with a fixed hydrogen tank system.

GM636HS

Our dependable, hard working front line sweeper will remove debris from all surfaces and efficiently, it has a 1.5 m3 capacity, designed for maximum performance and minimum waste volume. With its sophisticated design details and ability to considerably reduce water consumption, the 636 cuts labor and maintenance costs.

GM955

The 955 is a 6 m3 mechanical sweeper supported by vacuum. The powerful sweeping mechanism is able to collect even the largest debris, the powerful Vacuum will remove the smallest dust particles with the 955 you have the best of two worlds.

GM636

The world's most effective compact sweeper - a class in its own.

The Green Machines 636HS is ideal for all road and paved surfaces. With its tight turning circle, nimble joystick-controlled brushes, great suction and high transit speed, its a hard to match package of design and engineering which maximises capacity, cleaning power, manoeuvrability and, not least offers easy maintenance.

636 Diesel Technical Specifications

Dimensions

Length - Standard machine	3,520 mm
Width	1,130 mm
Height - Warning lamp folded	1,990 mm
GVW	2,550 kg
Wheelbase	1,400 mm
Turning circle	
Curb to curb	2,100 mm
Wall to Wall	3,735 mm

Suction Fan Performance

Maximum Flow	7200 m^3/h (2 m^3/sec)
Maximum Pressure	48 mbar

Water system

Tank Capacity	195 L (51.4 US Gal)
Max system Pressure	8 bar (118 psi)
Cloudmaker Flow Rate	15 L/hr (3.95 US Gal)

Pressure washer

Water Flow	13 L/min (3.43 US Gal)
Max Water Pressure	90 bar (1323 psi)

Street Washer

Max Water Flow	17 L/min (4.48US Gal/min)
Max Water Pressure	100 bar (1470 psi)

Dust control system

Dust filtering	SeparationThree-stage filtering
Stage 1:	Angled hopper swirl plates
Stage 2:	Stainless steel filter screen
Stage 3:	Twin cyclones
Dust control system	
CloudMaker®	Standard
Vacuum impeller	12 vanes made of steel alloy

Hydraulics

Oil Specification	ISO 46 Hydraulic Oil
Hydraulic Tank Operating Capacity	40 L (10.5 US Gal)
Suction Fan – max RPM	2800 rpm
Brush Motor – max speed	105 rpm
Transmission Max Pressure	275 bar (4043 psi)

Engine type

Type	Kubota V1505 CR T EW02 Turbo Diesel
Capacity	1.498 litres
Power	32.5 kw (43.5 HP)
Max. Torque	118 Nm at 2000 rpm
BioDeisel Usage	up to 5%
Fuel Consumption under normal work	7.4 L/hr
Engine Oil Type	10w40 API CJ4 or CK4
Engine Oil Capacity	6 lts (1.59 US Gal)

Hopper

Capacity	1.5 m^3
System Compaction Ratio	2:1
Clearance for tipping	1.4 m (55 in)

Accessories and optional equipment

Air conditioning

Rear Camera and Monitor

Bluetooth Radio

Winter equipment

Deluxe Seat w/Air Suspension

Flexible hose

636 Petrol Technical Specifications

Dimensions

Length - Standard machine	3,520 mm
Width	1,130 mm
Height - Warning lamp folded	1,990 mm
GVW	2,550 kg
Wheelbase	1,400 mm
Turning circle	
Curb to curb	2,100 mm
Wall to Wall	3,735 mm

Suction Fan Performance

Maximum Flow	7200 m^3/h (2 m^3/sec)
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Suction Fan – max RPM	2800 rpm
Brush Motor – max speed	105 rpm
Transmission Max Pressure	275 bar (4043 psi)

Engine type

Type	WG1605-G-ET01 Petrol
Capacity	1.6L ; 4 cylinder
Power	39.5 KW (43.5hp)/3000 rpm
Max. Torque	112 Nm/2200 rpm
Fuel Consumption under normal work	9.9 L/hr
Engine Oil Type	10w-40 API SLOR HIGHER CLASS
Engine Oil Capacity	6 lts (1.59 US Gal)

Hopper

Capacity	1.5 m^3
System Compaction Ratio	2:1
Clearance for tipping	1.4 m (55 in)

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SWEEPER FEATURES

Superior Cleaning

With a 600mm diameter vacuum van, the 636's high suction is ideal for even coarse and heavy debris, while its innovative cyclonic separator and Cloudmaker™ systems allow great dust control and sustained performance.

Safe and comfortable

The 636 can travel up to 40km/ hour (where permitted), minimising traveltime. The fine-tuned coil spring suspension gives a "car-quality" ride while the front axle tracks outwards as speed increases to maintain stability and minimize rollover risk.

Innovative dust control

The 636 effectively "eats"dust, thanks to 3-stage cyclonic separation and CloudmakerTM misting system which also reduces water consumption, so extending the operating time between water fills.

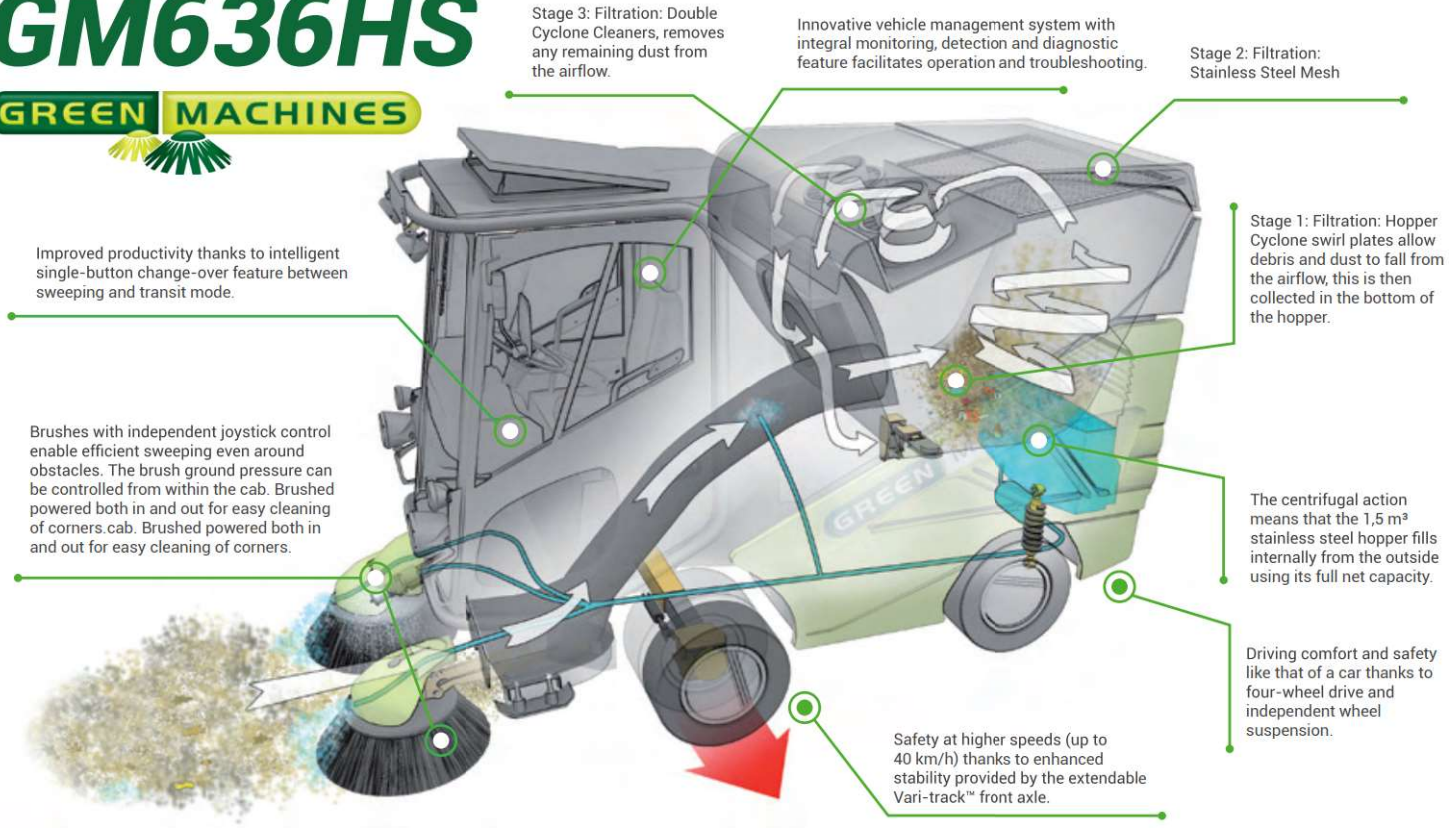
Easy maintenance

Based on the popular "clamshell" design with tilting cab and swing-out sections, the 636 opens like a swiss army knife for easy access.

Clean where other large-city cleaning machines can't. This easy to maneuver, quiet-operating sweeper can also function as a street-washer, street-scrubber, and can be used during Winter season with a snowplow, snowbrush, sand/salt spreader...it has multi-tool capabilities and therefore can be used all seasons.

GM636HS

GREEN MACHINES



The Green Machine 636HS, is reliable, quiet, manoeuvrable and operator friendly, ideal for cleaning outdoor public spaces, such as towns and cities, paths, cycle ways and pedestrian areas, with its powerful suction, Cyclonic Filtration and Cloud maker Technology, the Green Machines 636HS helps minimise airborne particulate and keep the environment clean.

1980mm

3,555 mm

1,140 mm

Wide path suction nozzle, allows effective collection of small or large debris.

Estimated coverage/ Productivity 19140 SQ M

Easy storable wander-hose allows to collect debris from difficult to reach areas.

Wanderhose

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