

### MACHINE DIMENSIONS – WORK MODE (BRUSHES IN)

Max Width – Work Mode (over brush plates)	1.105 mtrs (44 ins)
Width over Body	1.2 mtrs (47 ins)
Max Length (including brushes)	3.330 mtrs (131 ins)
Length over Body	2.765 mtrs (109 ins)
Max Height (excluding folding beacon)	1.98 mtrs (78 ins)
Wheel Base	1.38 mtrs (54.3 ins)
Minimum swept width	1.20 mtrs (47.2 ins)
Max swept width	1.80 mtrs (72")
Brush Diameter	650 mm (25.5 ins)

### MACHINE DIMENSIONS – WORK MODE (BRUSHES OUT)

Max Width (Brush tip to Brush tip)	1.900 mtrs (74.8 ins)
Max Length (including brushes)	3.330 mtrs (131 ins)
Max Height (excluding folding beacon)	1.98 mtrs (78 ins)
Wheel Base	1.38 mtrs (54.3 ins)
Max Hopper Dump (Unload) Height	1.4 mtrs (55.1 ins)

### TRACK & INSIDE TRACK DIMENSIONS

Rear Wheels Inside Track (inner wheel to inner wheel)	845 mm (33.8 ins)
Rear Wheels Track (center of wheel to center of wheel)	1,000 mm (37.6 ins)

### TURNING CIRCLE

Kerb to kerb	5.5 m diam (2.75 m rad)
Over brushes	7.1 m diam (3.55 m rad)

### VEHICLE WEIGHTS

Front Axle unladen	935 kg(2060 lbs)
Front Axle Max Weight	1,020 kg (2248 lbs)
Rear Axle unladen	1,035 kg (2281 lbs)
Rear Axle Max Weight	1,385 kg (3052 lbs)
Max Total Permissible Wht (GVW)	2,325 kg (5124 lbs)
Foot Print	3.0 kg/cm2

### MAXIMUM HILL CLIMB 20%

### VEHICLE SPEEDS

Forward Travel Mode (Transit)	25 km/h max (15.6 mph)
Reverse	6 km/h max (4 mph)
Forward Sweep (Brushes down)	12 km/h max (7.5 mph)
Forward Travel Mode (Work Mode) (Brushes Up)	16 km/h max (10 mph)
Reverse	6 km/h max (4 mph)

### HOPPER

Capacity	1.269 cu mtr Gross / 0.744 cu mtr Net
System Compaction Ratio	2:1
Clearance for tipping	1.4 mtrs (55 ins)

### NOISE

Inside Cab with Fan at 2400 rpm	76 dB(A)
Drive By Noise (sweeping)	74 dB(A) @7m
Drive By Noise (Transit)	59 d(BA)
Sound Power Reading 99dB(A) 2000/14EC	Equates to 74 dB(A) at 7 mtrs

### WHOLE BODY VIBRATION

IHand Arm	0.48 m/s2 (Limit is 2.5 m/s2)
Whole Body	0.14 m/s2 (Limit is 0.5 m/s2)
Levels comply with Machinery Safety Directive 98/37/EC	

### STEERING SYSTEM

Gear type pump (1.1cc/rev) tandem driven with Aux pump off variable speed auxiliary electric motor  
Open center Hydrostatic steering unit incorporating PRV & cylinder protection valves

### DRIVE SYSTEM

Motor	3 Phase AC motors with vector control DC/AC invertors – through rear differential axle
Rear Axle	Double reduction beam axle with limited slip differential and 18:1 reduction with coil

### POWER SOURCE

Power system	Fuel Cell
Fuel cell Type	PEM (Proton Exchange membrane)
Power	15 kW

### H2 TANKS

H2 capacity carttridge	2x 0,55 kg = 1,1 kg
H2 capacity fixed tank	2x 2 kg = 4 kg
Pressure cartridge	300 Bar
Pressure fixed tank	700 Bar
<b>Endurance under normal working situation</b>	
Cartridge	3 hours
Fixed tank	11 hours



## HYDRAULICS

Oil Specification	Bio-degradable OECD 70% HFDU68
Hydraulic Tank Capacity	16 lts (4.2 US Gals)
Brush Motor – max speed	105 rpm
Auxiliary System Max Pressures	Max pressure – 210 bar

## SUCTION FAN PERFORMANCE

Suction Fan – max RPM	2800 rpm
Maximum Flow Maximum Pressure	3600 m3/h (1m3/sec)
	33 mbar

## NOZZLE & SUCTION TUBE DIMENSIONS

Nozzle Dimensions Suction Tube	520 mm wide x 90 mm high (21" w x 4" H)
	175 mm (7")

## BRAKES

Front and Rear Brakes	Knott 230x50 hydro servo with manual adjust
Brake Fluid Type	DOT 4 – SAE J 1703 DOT 4

## END OF LIFE ENVIRONMENTAL VALUE

Recycling -mass content

● Stainless steel – Machine structure – Chassis frame, Access panels, Bumper, Hopper Components, Fasteners	370 kg
● Ferrous – Cast iron & mild steel, Axles, Suspension, Running Gear, Hyd. Cylinders, Brush Gear, Suction Nozzle, Wheels	410 kg
● Lead -Battery – lead-acid automotive type lead content	7 kg
● Aluminium – door panels 17 kg; Hopper 195 kg; Cab 100 kg; Hyd. Manifolds 12 kg; Battery boxes & enclosures	130 kg = 454 kg total excl batt cells
● Copper – Cables, Busbars. Motors, Invertors	230 kg
● Polyethylene – reservoirs/covers	70 kg
● Polyurethane – wear plates/bushings	10 kg
● ABS mouldings	15 kg
● Polypropylene – Covers 10 kg; Brushes (2 off) Disc 3.5 kg; Bristles (new) 3.2 kg; Bristles (worn – estimated)	1.2 kg
● Glass	40 kg
● Rubber – (Tires, Hydraulic hoses)	70 kg
● Fabrics – Seat, noise absorption matting	30 kg
● Glass Reinforced Polyester	40 kg
● Gross Recyclables = 2,100 kg, kerb weight = 2,300 kg therefore recyclable % = 91% (75 kg removed for Operator wht.)	

## TIRES

Size	155/70 R12C – 8Ply – Tires on 4.5J rims –
Max Loading	750 kg (1650 lbs)
Tire Pressure	6.5 bar (94 psi)
Tire Footprint Loadings (At GVW) Wheel	3,40 kg/square centimeter (at GVW); 48.3 psi (3.32 bar)

## WATER SYSTEM

Tank Capacity	121 lts (31 US Gals)
Max system Pressure	8 bar (118 psi)
Cloudmaker Flow Rate	15 lt/hr (3.95 US Gals)

## PRESSURE WASHER

Electro/Hydraulic driven high pressure piston pump	
Water Flow	9 lts/min (2.32 US Gals)
Max Water Pressure	90 bar (1323 psi)

## WARRANTY

Please refer to your local Green Machines Dealer for information.  
[www.greenmachines.com](http://www.greenmachines.com)

