

# GM720ze

## TECHNICAL SPECIFICATIONS



### Machine Dimensions

Max Width – Work Mode (over brush plates)	1300 mm
Width over Body	1300 mm
Max Length (including brushes)	4280 mm
Length over Body	3840 mm
Max Height (excluding folding beacon)	2000 mm
Wheel Base	1702 mm
Track Width	1038 mm
Min. swept width (brushes in)	1705 mm
Max. swept width (brushes out)	2300 mm
Brush Diameter	850mm
Max Hopper Dump (Unload) Height	1540 mm

### Turning Circle

Kerb to kerb (Two wheel steering)	3300 mm
Wall to wall (Two wheel steering)	4100 mm
Over brushes (Two wheel steering)	4350 mm
Kerb to kerb (Four wheel steering)	2505 mm
Wall to wall (Four wheel steering)	3200 mm
Over brushes (Four wheel steering)	3600 mm

### Noise

Inside Cab with Fan at 1800 rpm (Eco Mode)	81 dB(A)
Drive By Noise (Transit) acc. to §49 StVZO	66 dB(A)

### Steering System

Test	§38 StVZO
Steering on the front- and on the rear axle, twin circuit auxiliary force system with hydraulic transmission equipment	
Diameter of the steering wheel	385 mm

### Vehicle Weights

Front Axle unladen	1680 kg
Front Axle Max Weight	1925 kg
Rear Axle unladen	960 kg
Rear Axle Max Weight	2100 kg
Net Vehicle Weight (without options)	2615 kg
Net Vehicle Weight (with options)	2640 kg
Max Total Permissible Wht (GVW)	3500 kg
Kerb wht (ready for sweeping) (No options)	2835 kg

### Vehicle Speeds

Forward Transit Mode	40 km/h
Forward Sweep Mode (Work Mode)	12 km/h
Forward Brush Lift (Brushes Up)	16 km/h
Four wheel steering	8 km/h
Reverse	6 km/h

### Maximum Hill Climb

20%

### Hopper

Capacity	2 m <sup>3</sup>
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## Drive System

Drive Motor	Electric motors on each side on rear axle (Two wheel hub motors)
Continuous power/torque	17kW / 1200 Nm
Peak power/torque	35 kW / 2680 Nm
Suspension: Front and rear	Mechanical (spiral spring)

## Electrical Drive System

Battery Type	Lithium-Ion NMC
No of Cells	4 x 1260 psc.
Battery Weight	4 x 84 kg
Battery Charge time (0% – 100%)	8 h
Battery Endurance under normal working	EN 15429: 8.3h (6.6h using AC + lights)
Battery life (No of Charge cycles)	3000 Cycles
Cell Capacity	2,3 (net) / 3,1 (gross) Ah
Gross energy	4 x 14918 Wh
Net energy	4 x 10723 Wh

## Battery Chargers

Types	2x Delta Q Chargers (on board)
Output power (nominal)	2 x 3,3 kW
DC output voltage	30 - 58,8 V
AC input voltage range	85 - 265 V
Type 2 charging	Yes

## Hydraulics

Oil Specification	Hydraulic oil ISO 68 biodegradable
Hydraulic Tank Capacity	17 L
Brush Motor – max speed	110 rpm
Auxiliary System Max Pressures	125 bar

## Suction Fan Performance

Suction Fan – max RPM	2400 rpm
Maximum Flow	0.8 m3/s (2880 m3/h)

## Nozzle & Suction Tube Dimensions

Nozzle Dimensions (inlet)	760mm Wide x 95mm High
Tube	200 mm

## Brakes

Test	§41 StVZO and EC regulation 2015/68
Kind	Foot actuated, hydraulic power braking system with accumulators (Dual circuit)
Front/Rear Brakes	Brake disc with two fixed brake calipers/Drum Brake
Brake Fluid Type	Hydraulic oil ISO 68 biodegradable

## Tyres

Size	225/70 R15c
Max Loading	1120 kg
Tyre Pressure	4.5 bar
Tyre Footprint Loadings (GVW)	Front Tyre: 406.8 kPa (4.14 kg/cm <sup>2</sup> ) Rear Tyre: 308 kPa (3.14 kg/cm <sup>2</sup> )

## Water System

Tank Capacity	221 L
Max system Pressure	5.5 bar
Cloudmaker Flow Rate	15 L/hr

## Pressure Washer

Type	Electro/Hydraulic driven high pressure piston pump
Water Flow	11 L/min
Max Water Pressure	140 bar



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