

TECHNICAL SPECIFICATIONS



Machine Dimensions

Max Width – Work Mode (over brush plates)	4 ft 3.2 in
Width over Body	4 ft 3.2 in
Max Length (including brushes)	14 ft 0.5 in
Length over Body	12 ft 7.2 in
Max Height (excluding folding beacon)	6 ft 6.7 in
Wheel Base	5 ft 7.0 in
Track Width	3 ft 4.9 in
Min. swept width (brushes in)	5 ft 7.1 in
Max. swept width (brushes out)	7 ft 6.6 in
Brush Diameter	2 ft 9.5 in
Max Hopper Dump (Unload) Height	5 ft 0.6 in

Turning Circle

Kerb to kerb (Two wheel steering)	10 ft 9.9 in
Wall to wall (Two wheel steering)	13 ft 5.4 in
Over brushes (Two wheel steering)	14 ft 3.3 in
Kerb to kerb (Four wheel steering)	8 ft 2.6 in
Wall to wall (Four wheel steering)	10 ft 6.0 in
Over brushes (Four wheel steering)	11 ft 9.7 in

Noise

Inside Cab with Fan at 1800 rpm (Eco Mode)	82 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	15.16 in

Vehicle Weights

Front Axle unladen	3704 lb
Front Axle Max Weight	4244 lb
Rear Axle unladen	2116 lb
Rear Axle Max Weight	4630 lb
Net Vehicle Weight (without options)	5765 lb
Net Vehicle Weight (with options)	5820 lb
Max Total Permissible Wht (GVW)	7716 lb
Kerb wht(ready for sweeping) (No options)	6250 lb

Vehicle Speeds

Forward Transit Mode	20 mph
Forward Sweep Mode (Work Mode)	7.5 mph
Forward Brush Lift (Brushes Up)	9.9 mph
Four wheel steering	5.0 mph
Reverse	3.7 mph

Maximum Hill Climb

20%

Hopper

Capacity	2.62 cu yd
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Drive System

Drive Motor	Electric motors on each side on rear axle (Two wheel hub motors)
Continuous power/torque	22.8 hp / 885 lb-ft
Peak power/torque	46.9 hp / 1977 lb-ft
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 185.2 lb
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	4.5 gal
Brush Motor – max speed	110 rpm
Auxiliary System Max Pressures	1813 psi

Suction Fan Performance

Suction Fan – max RPM	2400 rpm
Maximum Flow	1695 cfm

Nozzle & Suction Tube Dimensions

Nozzle Dimensions (inlet)	29.9 in Wide x 3.7 in High
Tube	7.9 in

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	2469 lb
Tyre Pressure	65.3 psi
Tyre Footprint Loadings (GVW)	Front Tyre: 59 psi Rear Tyre: 45 psi

Water System

Tank Capacity	58.4 gal
Max system Pressure	79.8 psi
Cloudmaker Flow Rate	3.96 gal/hr

Pressure Washer

Type	Electro/Hydraulic driven high pressure piston pump
Water Flow	2.91 gpm
Max Water Pressure	2031 psi



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