Standard Unit Specifications

General Information

Main Dimensions

Overall length	5706 mm	224.6 in
Overall width	1524 mm	60 in
Overall height	1651 mm	65 in

Turning Radius

Inner	1803 mm	71 in
Outer	3785 mm	149 in

Operating

Total operating weight	9525 kg	21000 lb
Front axle	2994 kg	6600 lb
Fear axle	6532 kg	14400 lb

Loaded Weights

Total loaded weight	12525 kg	27613 lb
Front axle	6287 kg	13860 lb
Rear axle	5960 kg	13140 lb

Capacities

Tramming capacity	3000 kg	6613 lb
Break out force, lift	4899 kgf	10800 lbf
Break out force, tilt	7031 kgf	15500 lbf
Tipping load	8906 kg	19635 lb
Standard bucket	1.2 m³	1.5 yd³

Bucket Motion Times

Raising time	4.0 sec.
Lowering time	3.0 sec.
Dumping time	2.5 sec.

Vehicle Performance (Loaded)

Tramming Speed (HI/LOW)	12 / 20 kph	7.5 / 12.4 mph
Tractive Effort	75 kN	16.9 klbf

Frame

Rear and front frame	Welded steel box construction
Material	ASTM A656 GRADE 80
Central hinge	Welded steel box construction with hardened steel spherical bearings
Material	ASTM A514 GRADE 100
Lift arms	Solid plate construction
Material	ASTM A656 GRADE 80

Powertrain

Motor

Type	Permanent magnet AC, 3 phase	
Torque: Peak / Continuous	695 / 400 Nm	513 / 295 ft-lb
Power: Peak / Continuous	127 / 85 kW	170 / 114 hp
Max Motor Speed	4000 RPM	

Transfer Case

Dana 360	2-Speed

Axles

Front axle	Dana 113 Limited Slip 45%
Rear axle	Dana 113 Limited Slip 45%
Centre articulation / oscillation	40 ° / 18 °

Tires

Tire size / type	9.50 X 20 in, GOODYEAR L-5S

Battery

Voltage	600 V DC
Energy	88 kWh
Chemistry	$LiFePO_4$