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Self-developed VCU technology application

Advanced thermal management technology

Comfortable driving and convenient control

- New shape + Enclosed battery package + Integrated thermal management + Wet brake Axle, reliability improved by 15%, vision improved by 20%.
- Control programs self-developed, efficient matching of walking and hydraulic systems, leading technology in energy recovery, automatic slope stationing, and braking priority.
- Highly integrated cooling fan, compressor, condenser, controller integration and machine VCU, self-developed control strategy, simple and efficient.
- Electric joystick control, free gear shift at any gear and speed w/o impact; Air suspension seat, ride control system application to improve driving comfort.

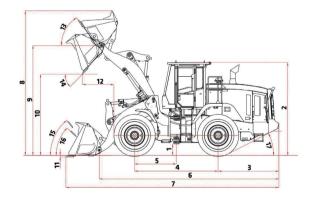


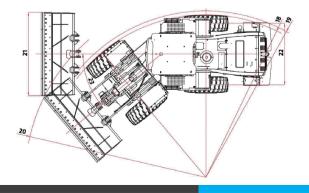
## **Technical specifications**

Battery		Transmissior	Transmission system		
Breakout Force	178 kN	Gearbox	Electric drive box		
Tipping Load @ Full Tu	rn 13200 kg		Shift modes	AMT	
Tipping Load Straight	13900 kg	Driving speed	Forward gear I	0-16 km/h	
Clearance (full lift 45° d	dump) 3000 mm	Driving speed	Forward gear II	0-40 km/h	
Reach (full lift 45° dum	p) 1325 mm	Driving speed	Backward gear I	0-16 km/h	
Traveling motor Working motor					
Rated Power	120kW	Rated Power	80kw		
Peak Power	240kw	Peak Power	160kW		
Rated Torque	1000N.m	Rated Torque	400N.m		
Peak Torque	2400N.m	Peak Torque	800N.m		
Operating hydraulic system		Steering hydraulic system			
Туре	Convergence of oil from both pumps	Туре	Quantitative hydraulic system		
Operation mode	Electric control pilot	Steering pump	Gear pump		
Operating pump	Gear pump	Steering angle	38°		
Hydraulic Cycle Times	11 s				

## **Machine dimensions**

Main parameters	SW956E
Weight of complete m	achine 20000 kg
Rated loading capacity	′ 5800 kg
Bucket capacity	3.5 m <sup>3</sup>
Dimension(L*W*H)	8540 mm* 2996 mm* 3588 mm
Battery Capacity	350 KW.h





lt	em (mm)	SW956E
1	Ground Clearance	434
2	Height to Top of Cab	3588
3	Center Line of Rear Axle to Edge of Counterwe	ight 2230
4	Wheelbase	3400
5	Center Line of Front Axle to Center Pivot	1650
6	Shipping Length without Attachment	7220
7	Shipping Length with Bucket	8540
8	Max. Dump Height	5330
9	Hinge Pin Height at Max.Lift	4180
10	Dump Clearance at Max. Lift	3000
11	Dig Depth, Level Bucket	80
12	Reach at Max. Lift and 45º Dump	1325
13	Roll Back at Max.Lift	61º
14	Dump Angle at Max. Lift and Dump	45⁰
15	Roll Back at Carry Height	49º
16	Roll Back at Ground	43º
17	Tail Angle to the Rear Wheel	27⁰
18	Clearance Circle to Outside of Tires	6400
19	Clearance Circle to Counterweight	6520
20	Max. Circle	7200
21	Width of the Bucket	2996
22	Tread	2200
23	Turning angle	+/- 38⁰

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