

ELECTRIC WHEEL LOADER

SANY

Quality Changes the World

SW960E



Long working time

- The industry's first electronically controlled sliding sleeve shift transmission
- The self-developed whole machine domain control technology has the highest integration and is the first of its kind in the industry
- Active energy recovery technology, industry-leading



Heavy load and high efficiency

- Self-developed heavy-duty drive axle, with a 30% increase in load-bearing capacity
- A high-pressure gear pump is selected to match the reinforced working device, providing lifting force.
- The strength of the boom has increased by 10%



Smart and comfortable

- The industry's first integrated intelligent weighing system
- The industry's first remote upgrade function (standard configuration), becoming smarter and smarter with each use
- The industry's first fully inverter air conditioning system, a brand-new silent and sealed cab



More reliability

- Over 3,000 units and more than 10 million hours of working condition verification, with over 200 minefields avoided
- 131 component simulation analyses, 102 bench tests, and 0 key component failures



Panoramic View

- The integrated electric rear-flip hood and 15° large fastback design significantly increase the rearview distance, which is 35% better than that of competitors
- The third-generation panoramic four-column cab has a 20% improvement in field of vision



Operating weight
20000 kg

Rated load
6200 kg

Bucket capacity
2.7-5.0 m³

Battery capacity
359 kW.h

PARAMETERS

Breakout Force	195 kN	Gearbox	Electric drive box
Tipping Load @ Full Turn	13407 kg		Shift modes
Tipping Load Straight	15778 kg	Driving speed	Forward gear I
Dump Clearance (full lift 45° dump)	3270 mm	Driving speed	Forward gear II
Dump Reach (full lift 45° dump)	1345 mm	Driving speed	Backward gear I

TRAVELING MOTOR

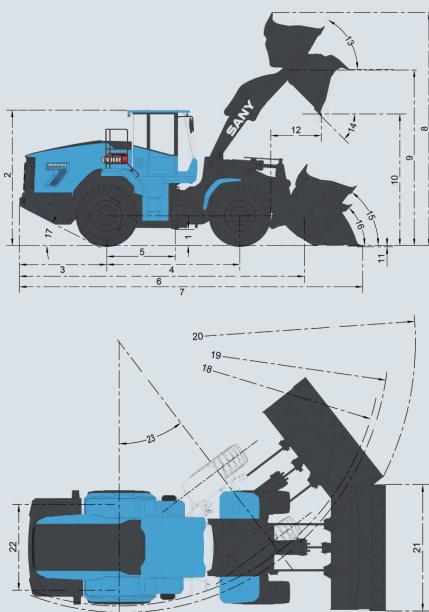
Rated Power	120 kW	Rated Power	80 kW
Peak Power	240 kW	Peak Power	160 kW
Rated Torque	1000 N.m	Rated Torque	400 N.m
Peak Torque	2400 N.m	Peak Torque	800 N.m

OPERATING HYDRAULIC SYSTEM

Type	Dual Pumps Confluence	Type	Quantitative hydraulic system
Operation mode	Hydraulic Pilot Control	Steering pump	Gear pump
Operating pump	Gear pump	Steering angle	37°
Hydraulic Cycle Times	9.7 s		

KEY SPECS

Operating Weight	20000 kg
Rated loading capacity	6200 kg
Bucket capacity	4.0 m ³
Dimension(L*W*H)	8760 mm* 3016 mm* 3540 mm
Battery Capacity	359 KW.h



TRANSMISSION SYSTEM

Gearbox	Shift modes	Electric drive box
	Forward gear I	0-15 km/h
Driving speed	Forward gear II	0-40 km/h
Driving speed	Backward gear I	0-15 km/h

WORKING MOTOR

Rated Power	80 kW
Peak Power	160 kW
Rated Torque	400 N.m
Peak Torque	800 N.m

STEERING HYDRAULIC SYSTEM

Type	Quantitative hydraulic system
Steering pump	Gear pump
Steering angle	37°

ITEM (MM)

1 Ground Clearance	420
2 Height to Top of Cab	3540
3 Center Line of Rear Axle to Edge of Counterweight	2200
4 Wheel base	3400
5 Center Line of Rear Axle to Center Pivot	1650
6 Shipping Length without Attachment	7306
7 Shipping Length with Bucket	8760
8 Max. Dump Height	5980
9 Hinge Pin Height at Max.Lift	4475
10 Dump Clearance at Max. Lift and 45°Dump	3270
11 Dig Depth, Level Bucket	75
12 Reach at Max. Lift and 45° Dump	1345
13 Roll Back at Max.Lift	61°
14 Dump Angle at Max. Lift and Dump	45°
15 Roll Back at Carry Height	53°
16 Roll Back at Ground	49°
17 Departure Angle	28°
18 Clearance Circle to Outside of Tires	6450
19 Clearance Circle to Counterweight	6570
20 Max. Circle	7280
21 Width of the Bucket	3016
22 Tread Width	2200
23 Turning angle	± 38°

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