

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 |
| Tipping Load @ Full Turn | 13407 kg |
| Tipping Load Straight | 15778 kg |
| Dump Clearance (full lift 45° dump) | 3270 mm |
| Dump Reach (full lift 45° dump) | 1345 mm |

TRANSMISSION SYSTEM

| | | |
|---------------|--------------------|-----------|
| Gearbox | Electric drive box | |
| | Shift modes | AMT |
| Driving speed | 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 |

TRAVELING MOTOR

| | |
|--------------|----------|
| Rated Power | 120 kW |
| Peak Power | 240 kW |
| Rated Torque | 1000 N.m |
| Peak Torque | 2400 N.m |

WORKING MOTOR

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

OPERATING HYDRAULIC SYSTEM

| | |
|-----------------------|-------------------------|
| Type | Dual Pumps Confluence |
| Operation mode | Hydraulic Pilot Control |
| Operating pump | Gear pump |
| Hydraulic Cycle Times | 9.7 s |

STEERING HYDRAULIC SYSTEM

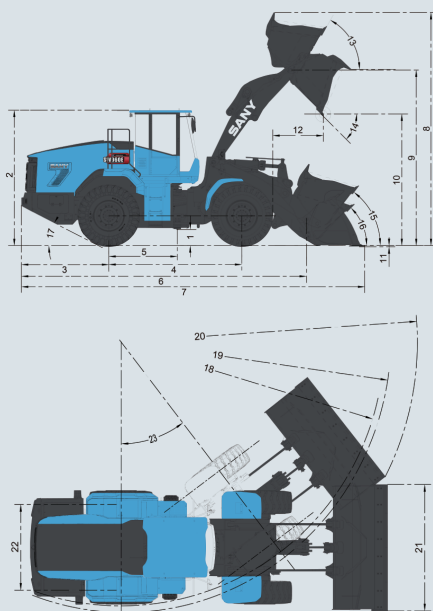
| | |
|----------------|-------------------------------|
| Type | Quantitative hydraulic system |
| Steering pump | Gear pump |
| Steering angle | 37° |

KEY SPECS

| | |
|------------------------|---------------------------|
| Operating Weight | 20000 kg |
| Rated loading capacity | 6200 kg |
| Bucket capacity | 4.0 m³ |
| Dimension(L*W*H) | 8760 mm* 3016 mm* 3540 mm |
| Battery Capacity | 359 KW.h |

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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