

KEY FUNCTIONAL PARAMETER

Machine Parameter

Rated Payload	3500 kg
Operating Weight	12000kg
Bucket Capacity	2~3.2m ³
Max Dumping Height	3130mm
Max digging force	100KN
Max traction force	100KN
Fastest Total Cycle Time	10s
Max. speed	40km/h
Wheel base	3000mm
Machine protection level	IP67
Fording depth	650mm

Hydraulic System

Working System Type	Single Pump Quantification
Main Valve Manufacturer	Gaoyu
Main Valve Type	Hydraulic Control Two-way Valve
Steering System	Wide-angle Steering
Control System	Hydraulic Control Single Handle
Breaking System	Hydraulic
Cooling system	Electronically Controlled Fan
Hydraulic Pump	Double Gear Pump

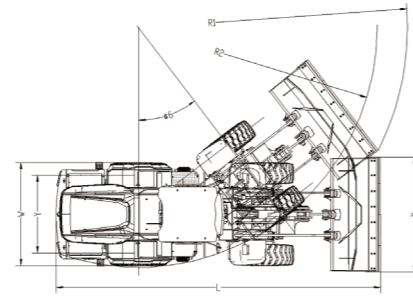
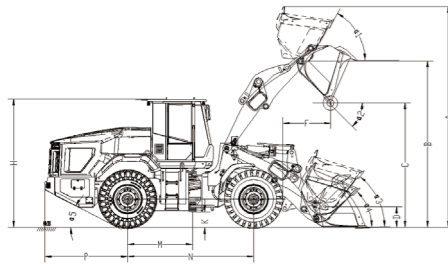
Battery and Motor

Battery Type	LFP
Rated Storage Energy	242kW·h
Nominal Voltage	531V
Charging Time(20%~100%)	57min
Durability	8~10h
Drive Motor Rated/Peak Power	70/105kW
Drive Motor Rated/Max. Torque	225/480Nm
Hydraulic Motor Rated/Peak Power	65/100kW
Hydraulic Motor Rated/Max. Torque	77/150Nm
Motor Cooling Type	Liquid Cooling
System Voltage	DC24V

Drive Train

Transmission Manufacturer	SANY
Transmission Gear Position Num.	F2R1
Shift Type	Electrically Controlled Sliding Sleeve
Service Break	Full Power Hydraulic
Parking Break	Hydraulic Disc Brake
Tyre	17.5-25
Axle Manufacturer	SANY
Drive Axle Load Grade	4 Ton machine Level

DIMENSIONS



No.	Item	Code	Unit	Data
1	Max. Lifting Height	A	mm	5160
2	Max. Hinge Pin Height	B		4028
3	Maximum Dumping Clearance	C		3130
4	Material Transportation Position Height	D		550
5	Dump Reach at Full Height Discharge	F		1160
6	Cab height	H		3400
7	Ground clearance	K		345
8	Length with Standard Bucket Down	L		7715
9	Distance between Rear Axle and Articulation	M		1605
10	Wheel base	N		3000
11	Wheel Tread	Y		1850

No.	Item	Code	Unit	Data
12	Machine Width(Outer side Tire)	W	mm	2300
13	Width Over Bucket	X		2428
14	Turning Radius, Bucket Carry	R1		6195
15	Turning Radius, Outside of Tire	R2		5466
16	Bucket Rollback at Max. Height	α1		65.4
17	Max. Dump Angle at Full Height	α2		45
18	Bucket Rollback at Carry	α3		53.8
19	Bucket Rollback at Ground Level	α4		46
20	Rear Angle of Departure	α5		28
21	Turn Angle	Left α6		38
22		Right α6		

Reminder:
Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.
Copyright © SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.
© Version 2026-01-01



SANY

QUALITY CHANGES THE WORLD



2.0-3.2 m³

242 kWh

3500 kg / 12000 kg

SW936E

SANY Electric Wheel Loader