



SL61W WHEEL LOADER

◆ Rated Power:178kW/2200rpm ◆ Bucket Capacity:3.5 m³ ◆ Rated Payload:21700±300kg



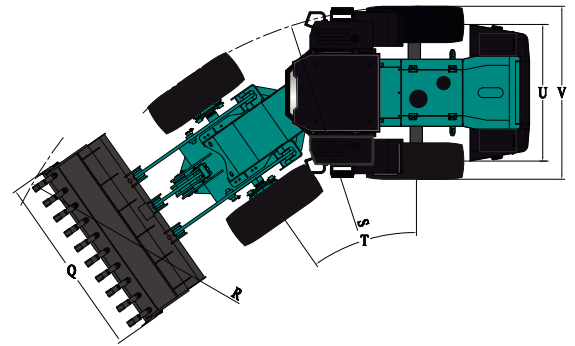
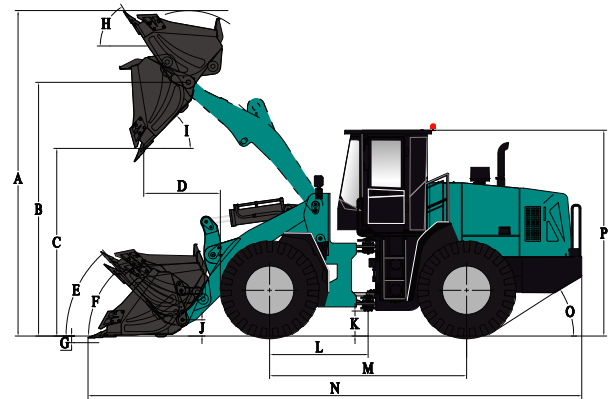
Main configuration	
Weichai engine	Pneumatic caliper disc brake
Longgong gearbox	Anti-rollover & anti-fall cab
Flexible shaft steering gearshift	Instrument cluster
Longo dry drive axle	Heating and air conditioning
Pilot operation	

Optional features	
Pilot work control	Back-up camera
Standard movable arm	Radio/MP3
Oil bath air filter	3.8 cubic meter rock hopper
750/65R25	4.2 cubic meter gravel hopper
Third circuit	5.6 cubic meter coal hopper
Cab sliding window	5.0 cubic meter coal hopper
Electrically heated rear window glass	Wood clamp (upper single and lower double)
Lockable fuel tank cover	Wood clamp (upper double and lower double)



TECHNICAL PARAMETERS

Vehicle parameters	Length, width and height	mm	8700x3050x3510
	Standard bucket capacity	m ³	3.5
	Break-out force	KN	≥200
	Traction force	KN	200±5
	Rated load capacity	kg	6000
	Operating weight of the vehicle	kg	21700±300
Engine	Manufacturer/model	Weichai/wp10g240e341	
	Rated power/speed	KW/rpm	178/2200
	Maximum torque/speed	N.m/rpm	1200/1400-1600
	Number of cylinders/displacement	L	6/9.726
	Generator	Amp	70
	Battery	2-24V/120Ah	
Transmission system	Starter motor	24V	
	Transmission type	Planetary gearbox	
	Gearshift form	Planetary powershift	
	Transmission pressure	Mpa	1.1-1.5
	Torque converter form	Single-stage twin-turbo four-element	
	Drive axle	Dry axle	
	Rear axle swing angle	±10°	
	Primary reduction	Helical bevel gear primary reduction	
	Hub reduction	Planetary reduction	
	Tire specification	26.5-25-24PR	
	Travel speed - forward	14/38	
Travel speed- reverse	19.5		
Braking system	Travel brake	Single-circuit gas-propelled four-wheel caliper disc brake	
	Air pressure	0.7-0.78MPa	
	Parking brake	Pneumatic caliper disc brake	
	Emergency brake	Pneumatic caliper disc brake	
Steering system	Form	Load sensing full hydraulic steering	
	Gear pump	L/min,prm	176/2200
	System pressure	16MPa	
	Steering cylinder form	Double cylinder drive	
	Steering angle	±35°	
Working hydraulic system	Form	Single handle pilot operation	
	Distribution valve	Two-way	
	System pressure	Mpa	18
	Total	s	≤10.8
Oil capacity	Fuel tank capacity	L	330
	Hydraulic oil filling volume	L	270
	Oil filling volume	L	19
	Transmission oil filling volume	L	63
	Front axle /rear axle	L	62



	DESCRIPTION	UNIT	STANDARD CONFIGURATION
A	Height (maximum lifting position of the bucket)	mm	6129
B	Height of the lower pin of the moving arm from the ground	mm	4709
C	Unloading height - 45° unloading angle	°	3580
D	Unloading distance - 45° unloading angle	°	1227
E	Bucket angle - transport position	mm	48.6
F	Bucket angle - ground clearance position	mm	46.2
G	Depth of excavation	mm	69
H	Bucket angle - maximum lifting position	°	50.4
I	Unloading angle of the bucket	°	45
J	Transport height	mm	400
K	Minimum ground clearance	mm	512
L	Front axle - dimensions of front and rear frame hinges	mm	1700
M	Wheelbase	mm	3400
N	Vehicle length	mm	8700
O	Maximum permissible gradient	°	30
P	Vehicle height	mm	3510
Q	Vehicle width - bucket	mm	3050
R	Minimum turning radius - bucket	mm	7594
S	Minimum turning radius - outside of tires	mm	6500
T	Side-to-side steering angle	°	35
U	Wheel track	mm	2270
V	Outer distance of tires	mm	2945

All dimensions are approximate, Dimensions may vary with bucket and tire choice, Refer to operating specifications.

