

INNOVATION LEADS TO VALUE

SUNWARD

# SL52W WHEEL LOADER

- Rated power/speed:162kW/2200rpm
- Standard bucket capacity:3m<sup>3</sup>
- Rated load capacity:5000kg



CONFIGURATION	OPTIONAL	
WEICHAI Engine (National II)	Cold start device	Heating and cooling air conditioner
LONKING Transmission	Pilot work control	Rock bucket □ 2.7m <sup>3</sup> □
Mechanical Powershift Control	High Dump	Large bucket □ 3.5m <sup>3</sup> □
LONKING Axles (Dry type)	Oil-bath Air Filter	Coal bucket □ 4.2m <sup>3</sup> □
Joystick Working Control	radial tire	Side Tip Bucket
Flexible Shaft Controlled Caliper Brake	3rd Spool for Auxiliary Function	Electric Heating Rear Window
ROPS&FOPS Cabin	Sliding Cabin Window	Lockable Oil Tank Cap
Combination Instrument	Rear View Camera	Bucket(3 Piece Cutting Edges)
Air Conditioner		

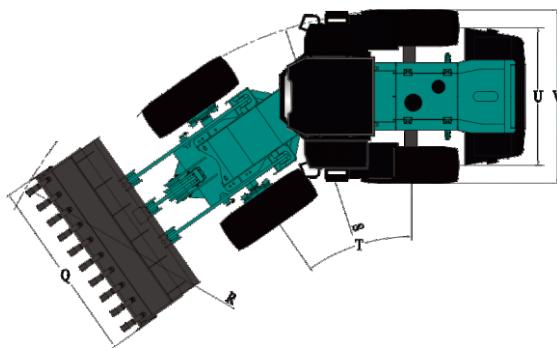
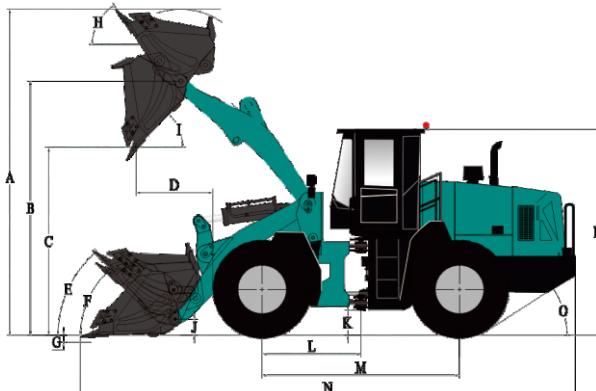
# TECHNICAL PARAMETERS



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## TECHNICAL PARAMETERS

BASIC	Length, width and height	mm	8105(8230)x3000x3380
	Standard bucket capacity	m <sup>3</sup>	3
	Break-out force	KN	170±3
	Traction force	KN	155±3
	Rated load capacity	kg	5000
	Operating weight of the vehicle	kg	16800±300
ENGINE	Manufacturer/model		WEICHAI/WD10G220E21
	Emission standard		National II
	Rated power/speed	KW/rpm	162/2200
	Maximum torque/speed	N.m/rpm	860/1400-1600
	Number of cylinders/displacement	L	6/9.726
	Generator	Amp	70
DRIVE TRAIN	Battery	Ah	2-24V/120Ah
	Starter motor	V	24V/7.5kW
	Transmission type		Planetary gearbox
	Gearshift form		Flexible shaft control gear-shift
	Transmission pressure	Mpa	1.2-1.5MPa
	Torque converter form		Single double turbine
BRAKE SYSTEM	Drive axle		Rigid (Front)&Oscillating (Rear)
	Rear axle swing angle		±10°
	Primary reduction		Spiral Bevel,2-stage Reduction
	Hub reduction		Planetary Reduction
	Tire specification		23.5-25L-316PR TT
	Travel speed - forward		11.5/36km/h
STEERING SYSTEM	Travel speed- reverse		16km/h
	Travel brake		Air over hydraulic caliper disc brake
	Air pressure	Mpa	0.70-0.78MPa
	Parking brake		Flexible Shaft Controlled Caliper Brake
	Emergency brake		Flexible Shaft Controlled Caliper Brake
	Form		Hydraulic Load Sensing System
HYDRAULIC SYSTEM	Gear pump	L/min,prm	176L/min-2200rpm
	System pressure	Mpa	15MPa
	Steering cylinder form		Double Acting
	Steering angle		±35°
	Form		Mechanical work control
	Rate of flow	L/min,prm	220L/min.2200prm
SERVICE REFILL CAPACITY	Distribution valve		2 Spool
	System pressure	Mpa	16
	Total	s	11
	Fuel tank capacity	L	285
	Hydraulic oil filling volume	L	265/270(3 Third pipeline)
	Oil filling volume	L	20
	Transmission oil filling volume	L	46
	Front axle /rear axle	L	28/28



	DESCRIPTION	UNIT	STANDARD/ HIGH-POSITION UNLOADING
A	Height (maximum lifting position of the bucket)	mm	5275
B	Height of the lower pin of the moving arm from the ground	mm	4119/4520
C	Unloading height - 45° unloading angle	mm	3062/3458
D	Unloading distance - 45° unloading angle	mm	1276/1230
E	Bucket angle - transport position	°	48/46
F	Bucket angle - ground clearance position	°	45/42
G	Depth of excavation	mm	50
H	Bucket angle - maximum lifting position	°	53/50
I	Unloading angle of the bucket	°	45
J	Transport height	mm	400
K	Minimum ground clearance	mm	409
L	Front axle - dimensions of front and rear frame hinges	mm	1615
M	Wheelbase	mm	3230
N	Vehicle length	mm	8015/8230
O	Maximum permissible gradient	°	32
P	Vehicle height	mm	3380
Q	Vehicle width - bucket	mm	3000
R	Minimum turning radius - bucket	mm	7170/7280
S	Minimum turning radius - outside of tires	mm	6537.5
T	Side-to-side steering angle	°	35
U	Wheel track	mm	2240
V	Outer distance of tires	mm	2835

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

