

INNOVATION LEADS TO VALUE



SUNWARD

SL31W WHEEL LOADER

- Rated power/speed:92kW/2200rpm
- Standard bucket capacity:1.7m³
- Rated load capacity:3000kg



CONFIGURATION

WEICHAI Engine (National II)
LONKING Transmission
Flexible shaft control gear-shift
LONKING Axles (Dry type)
Joystick Working Control
Flexible Shaft Controlled Caliper Brake
ROPS&FOPS Cabin
Combination Instrument
Heater

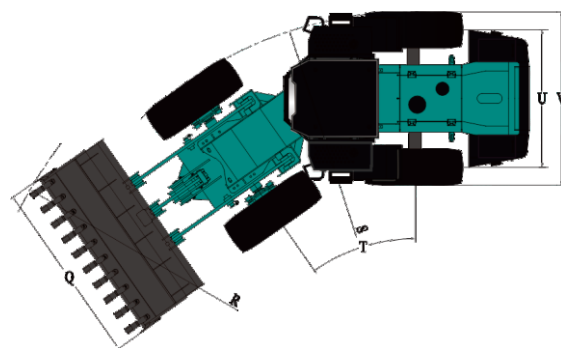
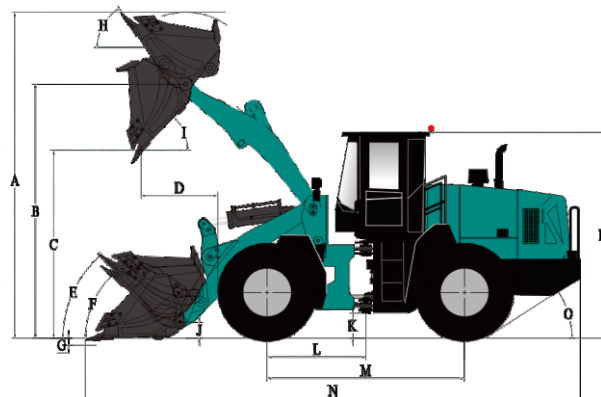
OPTIONAL

Cold start device	Goods Grapple
Pilot work control	Electric Heating Rear Window
High Dump	Lockable Oil Tank Cap
Oil-bath Air Filter	Bucket(2.0m ³)
radial tire	Enlarged Bucket(2.3m ³)
3rd Spool for Auxiliary Function	Coal Bucket(2.5m ³)
Sliding Cabin Window	Bucket(3 Piece Cutting Edges)
Rear View Camera	Side Tip Bucket
Heating and cooling air conditioner	Quick Hitch Coupler
Radio/MP3	Quick Hitch Bucket
Log Grapple	Snow Blade(Quick Hitch Only)
Grass Grapple	



TECHNICAL PARAMETERS

BASIC	Length, width and height	mm	7200(7450)x2500x3180
	Standard bucket capacity	m ³	1.7
	Break-out force	KN	105(95)±3
	Traction force	KN	97±3
	Rated load capacity	kg	3000
	Operating weight of the vehicle	kg	10300(10500)±300
ENGINE	Manufacturer/model		WEICHAI/WP6G125E332
	Emission standard		National II
	Rated power/speed	KW/rpm	92kW/2200rpm
	Maximum torque/speed	N.m/rpm	540N-m/1400-1600rpm
	Number of cylinders/displacement	L	6/6.75L
	Generator	Amp	70
	Battery	Ah	2-24V/105Ah
	Starter motor	V	24V/6kW
DRIVE TRAIN	Transmission type		Countershaft Powershift
	Gearshift form		Flexible shaft control gear-shift
	Transmission pressure	Mpa	1.1-1.5MPa
	Torque converter form		Single-stage&turbine,3-element
	Drive axle		Rigid (Front)&Oscillating (Rear)
	Rear axle swing angle		±10°
	Primary reduction		Spiral Bevel,1-stage Reduction
	Hub reduction		Planetary Reduction
	Tire specification		17.5-25 L-3 12PR TT
	Travel speed - forward		6.5/12/32
BRAKE SYSTEM	Travel brake		Single Circuit Caliper,Dry Brake
	Air pressure	Mpa	0.70-0.78MPa
	Parking brake		Flexible Shaft Controlled Caliper Brake
	Emergency brake		Flexible Shaft Controlled Caliper Brake
STEERING SYSTEM	Form		Hydraulic Load Sensing System
	Gear pump	L/min,prm	246L/min.2200prm
	System pressure	Mpa	14
	Steering cylinder form		Double Acting
	Steering angle		±35°
HYDRAULIC SYSTEM	Form		Mechanical work control
	Rate of flow	L/min,prm	246L/min.2200prm
	Distribution valve		2 Spool
	System pressure	Mpa	16
	Total	s	10.5
SERVICE REFILL CAPACITY	Fuel tank capacity	L	200L
	Hydraulic oil filling volume	L	200L
	Oil filling volume	L	17L
	Transmission oil filling volume	L	36L
	Front axle /rear axle	L	18.5L/18.5L



	DESCRIPTION	UNIT	STANDARD/ HIGH-POSITION UNLOADING
A	Height (maximum lifting position of the bucket)	mm	4474/4766
B	Height of the lower pin of the moving arm from the ground	mm	3710/4064
C	Unloading height - 45° unloading angle	mm	2905/3250
D	Unloading distance - 45° unloading angle	mm	1095/1002
E	Bucket angle - transport position	°	46.3/46.6
F	Bucket angle - ground clearance position	°	40/40.9
G	Depth of excavation	mm	30-40/30-40
H	Bucket angle - maximum lifting position	°	50.7/47
I	Unloading angle of the bucket	°	46.6/45
J	Transport height	mm	400/400
K	Minimum ground clearance	mm	345/345
L	Front axle - dimensions of front and rear frame hinges	mm	1425/1425
M	Wheelbase	mm	2850/2850
N	Vehicle length	mm	7200/7450
O	Maximum permissible gradient	°	27/27
P	Vehicle height	mm	3180/3180
Q	Vehicle width - bucket	mm	2500/2500
R	Minimum turning radius - bucket	mm	6190/6280
S	Minimum turning radius - outside of tires	mm	5675/5675
T	Side-to-side steering angle	°	35/35
U	Wheel track	mm	1850/1850
V	Outer distance of tires	mm	2320/2320

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

