

INNOVATION LEADS TO VALUE



SUNWARD

SL31W WHEEL LOADER

◆ Rated Power:92kW/2200rpm ◆ Bucket Capacity:1.7m³ ◆ Rated Payload:3000kg



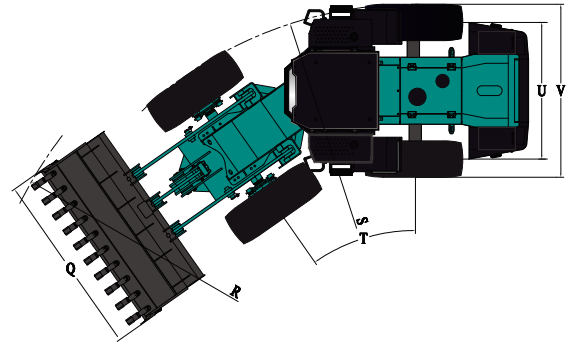
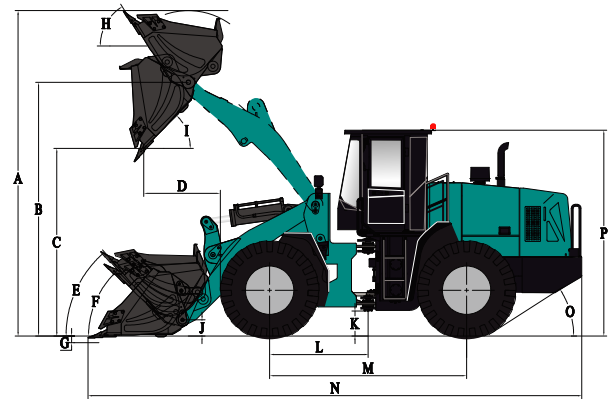
CONFIGURATION
WEICHAJ Engine (National II)
LONKING Transmission
Mechanical Powershift Control
LONKING Axles (Dry type)
Joystick Working Control
Flexible Shaft Controlled Caliper Brake
ROPS&FOPS Cabin
Combination Instrument
Air Conditioner

OPTIONAL	
High Dump	Coal Bucket(2.5m ³)
Oil-bath Air Filter	Bucket(3 Piece Cutting Edges)
radial tire	Log Grapple
3rd Spool for Auxiliary Function	Grass Grapple
Sliding Cabin Window	Side Tip Bucket
Electric Heating Rear Window	Log Fork
Lockable Oil Tank Cap	Quick Hitch Coupler
Rear View Camera	Quick Hitch Bucket (1.7m ³)
Bucket(2.0m ³)	4in1 Bucket(Quick Hitch Only)
Enlarged Bucket(2.3m ³)	Snow Blade(Quick Hitch Only)
radio/MP3	



TECHNICAL PARAMETERS

BASIC	Bucket Capacity	1.7m ³
	Rated Payload	3000kg
	Operating Weight	10300(10500)±300kg
	Traction Force	97±3kN
	Breakout Force	105 (95) ±3kN
	L×W×H	7200(7450)×2500×3180
ENGINE	Maker/Model	WEICHAI/WP6G125E22
	Rated Power	92kW/2200rpm
	Maximum Torque	500N·m/1400-1600rpm
	Bore x Stroke	105×130mm
	No. of Cylinders /Displacement	6/6.75L
	Air Cleaner	Three Stage Air Cleaner
	Alternator	70Amp
DRIVE TRAIN	Battery	2-24V/105Ah
	Starting Motor	24V/6kW
	Transmission Type	Countershaft Powershift
	Shift Type	Mechanical Powershift Control
	Pressure of Transmission	1.1-1.5MPa
	Torque Converter Type	Single-stage&turbine,3-element
	Axles	Rigid (Front)&Oscillating (Rear)
	Rear Axle Oscillation	±10°
	Differential	Conventional
	Main Reducer	Spiral Bevel,1-stage Reduction
	Final Reducer	Planetary Reduction
	Tire	17.5-25 L-3 12PR TT
	Travel Speed-Forward	7/12/24/36 km/h
Travel Speed-Reverse	8.5/28 km/h	
BRAKE SYSTEM	Service Brake	Single Circuit Caliper,Dry Brake
	Setting Pressure	0.70-0.78MPa
	Parking Brake	Flexible Shaft Controlled Caliper Brake
	Emergency Brake	
STEERING SYSTEM	Type	Hydraulic Load Sensing System
	Pump	246L/min·2200rpm
	System Pressure	14MPa
	Cylinder Type	Double Acting
	Steering Angle	±35°
HYDRAULIC SYSTEM	Type	Joystick Control
	Pump	246L/min·2200rpm
	Control Valve	2 Spool
	System Pressure	16MPa
	Cycle Time (Sec)	9
SERVICE REFILL CAPACITY	Fuel Tank	200L
	Hydraulic Tank	165/170L
	Crankshaft	14L
	Transmission	36L
	Front Axle/Rear Axle	18.5L/18.5L



DESCRIPTION		UNIT	STANDARD CONFIGURATION	HIGH CONFIGURATION
A	Overall Height - Bucket Raised	mm	4474	4766
B	Bucket Pin Height at Max. Lift	mm	3710	4064
C	Dump Clearance at Max. Lift (45°)	mm	2905	3250
D	Reach at Max. Lift and 45° Dump	mm	1095	1002
E	Rack Back Angle at Carry	°	46.3	46.6
F	Rack Back Angle at Ground	°	40	40.9
G	Digging Depth	mm	30-40	30-40
H	Rack Back Angle at Max. Lift	°	50.7	47
I	Dump Angle at Max. Lift	°	46.6	45
J	Carry Height	mm	400	400
K	Ground Clearance	mm	345	345
L	Center Line of Front Axle to Hitch	mm	1425	1425
M	Wheel Base	mm	2850	2850
N	Overall Length	mm	7200	7450
O	Departure Angle	°	27	27
P	Height to Top of Cab	mm	3180	3180
Q	Overall Width over Bucket	mm	2500	2500
R	Min. Turning Radius over Bucket	mm	6190	6280
S	Min. Turning Radius over Tires	mm	5675	5675
T	Steering Angle - Left/Right	°	35	35
U	Width at Tread Center	mm	1850	1850
V	Overall Width over Tires	mm	2320	2320

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

