

INNOVATION LEADS TO VALUE



SUNWARD

SL61W WHEEL LOADER

- Rated power/speed:178kW/2200rpm
- Standard bucket capacity:3.5m³
- Rated load capacity:6000kg



CONFIGURATION

| |
|-----------------------------------|
| Weichai engine(National III) |
| LONKING Transmission |
| Flexible shaft steering gearshift |
| Longo dry drive axle |
| Pilot operation |
| Pneumatic caliper disc brake |
| ROPS&FOPS Cabin |
| Instrument cluster |
| Heating and air conditioning |

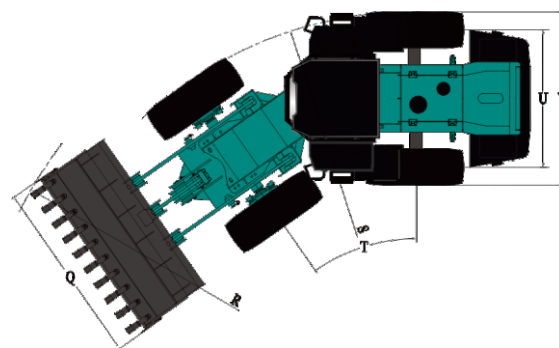
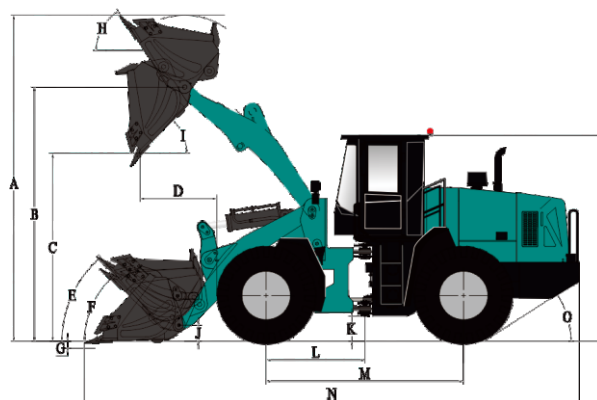
OPTIONAL

| | | |
|----------------------|--|---------------------------------------|
| Cold start device | Sliding Cabin Window | Electrically heated rear window glass |
| Pilot work control | Rear View Camera | Lockable fuel tank cover |
| Standard movable arm | Air Conditioner | 3.8 cubic meter rock bucket |
| Oil bath air filter | Radio/MP3 | 4.2 cubic meter gravel bucket |
| 750/65R25 | Wood clamp (upper single and lower double) | 5.6 cubic meter coal bucket |
| Third circuit | Wood clamp (upper double and lower double) | 5.0 cubic meter coal bucket |



TECHNICAL PARAMETERS

| | | | |
|-------------------------|----------------------------------|----------------|--|
| BASIC | 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 |
| | Emission standard | | National III |
| | 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 | Ah | 2-24V/120Ah |
| | Starter motor | V | 24V |
| DRIVE TRAIN | 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 | | Spiral Bevel, 1-stage Reduction |
| | Hub reduction | | Planetary reduction |
| | Tire specification | | 26.5-25-24PR |
| | Travel speed - forward | | 14/ 38 |
| BRAKE SYSTEM | Travel brake | | Single-circuit gas-propelled four-wheel caliper disc brake |
| | Air pressure | Mpa | 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 | Mpa | 16MPa |
| | Steering cylinder form | | Double cylinder drive |
| | Steering angle | | ±35° |
| HYDRAULIC SYSTEM | Form | | Single handle pilot operation |
| | Rate of flow | L/min,prm | 275L/min.2200prm |
| | Distribution valve | | 2 Spool |
| | System pressure | Mpa | 18 |
| | Total | s | ≤10.8 |
| SERVICE REFILL 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 |
|---|---|------|----------|
| 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 | mm | 3580 |
| D | Unloading distance - 45° unloading angle | mm | 1227 |
| E | Bucket angle - transport position | ° | 48.6 |
| F | Bucket angle - ground clearance position | ° | 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.

