

SHANTUI

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WHEEL LOADER



SHANTUI

**SHANDONG SHANTUI CONSTRUCTION MACHINERY
IMPORT & EXPORT CO.,LTD.**

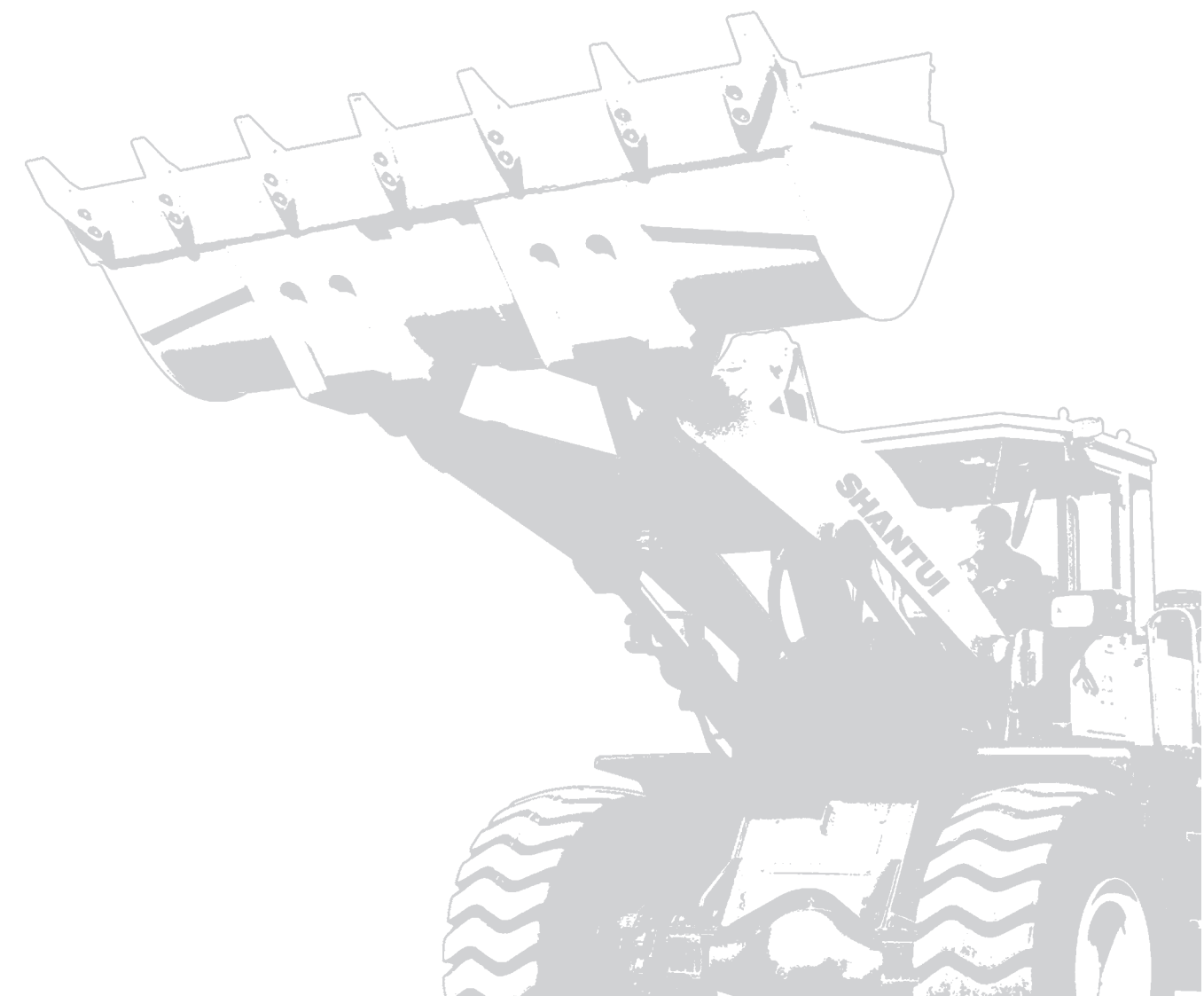
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SHANTUI





SL30W

Technical characteristics:

- Wuxi Diesel Engine with low fuel consumption, large torque, low noise and reliable performance.
- Power shift transmission with hydraulic steering, flexible operation and stable performance.
- Advanced Z-type reversal tipping mechanism with large break-out force and high efficiency.
- Automatic bucket leveling, low driver working intensity.
- Main structure parts made of quality manganese steel and reinforced boom to enable the quality more reliable.
- Optimized transmission and hydraulic system for high speed and high efficiency.
- Articulate frame, small turning radius and same track of front and rear wheel for protecting tyres.
- Air-pushing oil disc brake system with double piping adopting quality PU high-pressure tube to be more safety and more reliability.
- The dust-proof design is taken for the pins of working equipments to improve the service life.
- The sealed glass cabin for its wide vision field, and the comfortable shock absorption seat for more safety and comfort.
- Optional equipments: Log grapple, Grass grapple, Coal bucket, Rock bucket, High lift and Breaker etc.

Technical Specifications

DIMENSIONS

Wheel base.....	2700mm
Tread	1856mm
Length*Width*Height	6918 X 2484 X 3193mm
Width(outside of tyre)	2321mm

OPERATION SPECIFICATIONS

Rated capacity.....	1.8m ³
Rated load	3000kg
Operating weight	10800kg
Max.breakout force.....	96kN
Max.traction force	100kN
Max.dumping height	3057mm
Max.dumping reach.....	906mm
Static tipping load	60kN

ENGINE

Model.....	Wuxi Diesel Engine CA6110/125-DG18
Type.....	Straight,water-cooling,four-stroke
Cylinder*bore*stroke.....	6 X 110 X 125mm
Rated power	92kw
Max.torque.....	440N.m
Rated speed	2300 rpm
Total displacement.....	7127ml
Min.consumption	227g/kw.h

TRANSMISSION & TORQUE CONVERTER

Torque converter model.....	YJ315D
Torque converter type.....	Single-Stage,Three-element
Cooling system	Oil cooling pressure circulation
Shift gears	Dead axle constant mesh hydraulic pressure/poking fork Changeover governor
Travel speed: (km/h) Forward:1st.....	0-5.8
2nd.....	0-10.8
3rd	0-18.4
4th.....	0-35
Reverse:1st	0-7.8
2nd.....	0-27

AXLES & TYRES

Type.....	Four wheel drive
Tyre size	17.5-25

BRAKES SYSTEM

Foot brake	Double barreled air pushing oil, Four wheel steering brake
Hand brake	Drape type brake

STEERING SYSTEM

Type.....	Articulated,folded-type frame,Full hydraulic steering
Steering angle	35°(each direction)
Min.Turning radius.....	6004mm(outside of rear tyre)

HYDRAULIC SYSTEM

Steering system	
Gear pump.....	CBFE-40
Steering Cylinder.....	2-φ80mm
Relief valve setting	10MPa

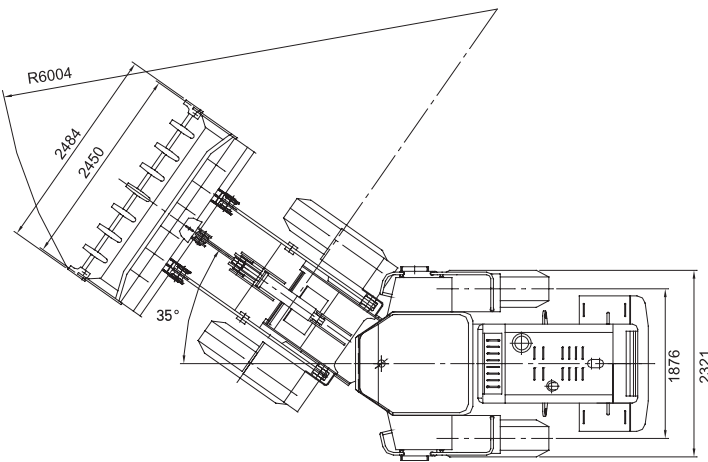
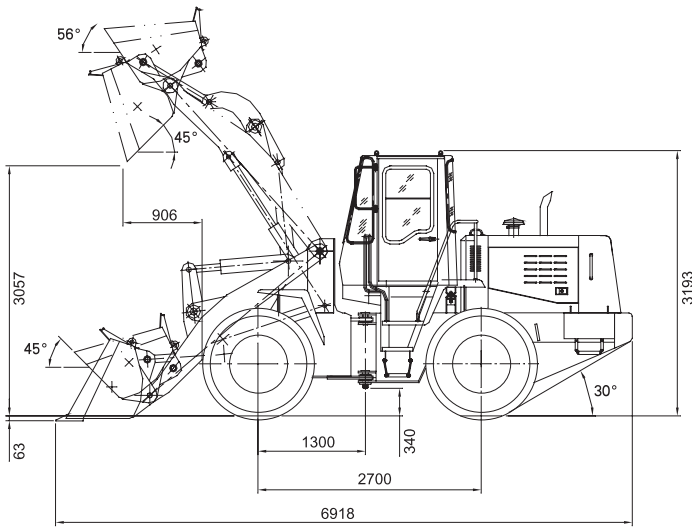
Loader control	
Gear pump.....	CBGJ2100
Relief valve setting	16MPa
Tilt cylinder	φ140mm
Lifting cylinder.....	2-φ110mm
Distribution valve	DF25.2C

Hydraulic cycle time(rated load in bucket)	
Lifting (at full load)	5.5sec.
Dumping	1.2sec.
Lowering(empty).....	2.8sec.

SERVICE REFILL CAPACITIES

Fuel tank.....	160L
Engine lubricating oil	20L
Coolant	26kg
Hydraulic system	160L
Front axle.....	12.5L
Rear axle	12.5L
Torque converter & transmission.....	38L

Overall dimension





SL50W/SL50W-2

Technical characteristics:

- SL50W Steyr Engine with green environmental protection power, high efficiency and low energy, low noise, and low exhaust.
- SL50W-2 Shangchai C6121 Engine with efficiently energy saving, excellent and reliable performance, low noise, and low exhaust.
- Advanced Z-type reversal tipping mechanism with large break-out force and high efficiency.
- Advance dual pump combined technology to improve fuel saving and working efficiency.
- Automatic bucket leveling for easing the labor intensity of driver.(SL50W-2 with PPC control)
- Main structure parts made of quality manganese steel with the reliable quality and wide use.
- Heavy weight and longer wheel base for better working stability of wheel loader.
- Planetary power shift transmission and coaxial flow amplification type hydraulic steering system with easy and flexible operation and high-efficiency energy saving.
- Articulate frame and small turning radius with more flexibility.
- Advanced two sets of braking system of Parking brake and Service brake (air-pushing oil disc brake) to be more safety and more reliability.
- The dust-proof design is taken for the pins of working equipments to improve the service life.
- The full-sealed glass cabin with shock absorption and a wide field of vision, and super voyage grade seat with shock absorption to keep the operator more safety and comfort.
- Equipped with top grade stereo sound and air-conditioner with temperature changing on the base of “humanism” .
- Optional equipments: Log grapple, Grass grapple, Coal bucket and High lift etc.

Technical Specifications

DIMENSIONS

Wheel base.....	3250mm
Tread	2250mm
Length*Width*Height(mm).....	7940 X 3072 X 3430mm
Width(outside of tyre)	2840mm

OPERATION SPECIFICATIONS

Rated capacity	3m ³
Rated load	5000kg
Operating weight	17000kg
Max.breakout force.....	185kN
Max.traction force	162kN
Max.dumping height	3178mm
Max.dumping reach	1160mm
Static tipping load	100kN

ENGINE

Model.....	Steyr WD615\Cummins 6 CTA 8.3-C215
Type.....	Straight,six cylinder,four stroke, (Afer cooled),turbocharged,direct injection
Cylinder*bore*stoke.....	6 X 114 X 135mm
Rated power	160kw
Max.torque.....	908N.m
Rated speed	2200rpm
Total displacement.....	8300ml
Min.consumption	220g/kw.h

TRANSMISSION & TORQUE CONVERTER

Torque converter model.....	YJ375
Torque converter type.....	Single stage three-element Dynamic. straight gear changer
Cooling system	Oil cooling pressure circulation
Shift gears	Dead axle constant mesh hydraulic pressure/poking fork Changeover governor
Travel speed: (km/h) Forward:1st.....	0-13
2nd.....	0-38
Reverse:	0-17

AXLES & TYRES

Type.....	Four wheel drive
Tyre size	23.5-25

BRAKES SYSTEM

Foot brake	Double barreled air pushing oil,Four wheel steering brake
Hand brake	Drape type brake

STEERING SYSTEM

Type.....	Articulated,fold-type frame, Full hydraulic steering
Steering angle	35°(each direction)
Min.Turning radius	7124mm(outside of rear tyre)

HYDRAULIC SYSTEM

Steering system	
Gear pump.....	CBGJ2100
Steering Cylinder	2-φ100mm
Relief valve setting	16MPa
Loader control	
Gear pump.....	CBGJ3125
Relief valve setting	16MPa
Tilt cylinder	φ200mm
Lifting cylinder.....	2- φ180mm
Distribution valve	DF32.2C
Hydraulic cycle time(rated load in bucket)	
Lifting(at full load)	6.2sec.
Dumping	1.6sec.
Lowering(empty).....	2.7sec.

SERVICE REFILL CAPACITIES

Fuel tank.....	280L
Engine lubricating oil	28L
Coolant	60kg
Hydraulic system	250L
Front axle.....	40L
Rear axle	40L
Torque converter & transmission	45L

Overall dimension

