

# ZL30G[CE] WHEEL LOADER



The ZL30G is a single-bucket, front-end, articulation wheel loader. It is adaptive to shovel or transfer such loose material as earth/clay, sand/gravel, aggregate and rock, and carrying out such tasks as towing, ground leveling, stacking and piling in building site, port, quay, station, yard and so on. So it is a multi-purpose and efficient earth-moving machine.



# WHEEL LOADER ZL30G



## ENGINE

- ◆ Perkins-Levol (Tianjin) made engine Model: 1006-6T which meets Tier II or Tier III requirement for emission.
- ◆ In-line, vertical, water-cooled, direct-injection, turbo-charged.
- ◆ Four-stroke-cycle design for long, effective power strokes, and more efficient fuel combustion.
- ◆ High-torque engine produces excellent carrying ability, Operating efficiency is heightened by adding pushing power.
- ◆ 1006-6T is one of the most fuel efficient engines in its class.
- ◆ Lower exhaust displacement, electric starting, electric stopping, excellent performance and reliability.

# (CE)



## TRANSMISSION

- ◆ 4-forward/2-reverse speed, straight gear constant mesh.
- ◆ Multi—gear power shift transmission, it is parallel shaft (fixed shaft type)transfer structure.
- ◆ Three-element torque converter with high torque ratio properly is matchable with engine and transmission, excellent working ability.



## ALL AROUND VISIBILITY

- ◆ A wide, tinted front window allows excellent vision to improve productivity.
- ◆ Rear view mirrors enhance rear and side vision.
- ◆ Windshield with wipers on front windows allows clearer vision for the operator.



## AXLE

- ◆ MERITOR Axle
- ◆ Four driving wheels, Front axle fixed rigidly, rear axle adopting oscillation structure.
- ◆ Carrier assembly adopts spiral bevel gear with single reduction, low noise.
- ◆ Wheel end reduction assembly is single planetary.
- ◆ Axle shaft adopts fully floating construction.



## CAB

- ◆ Novel, unique and spacious cab.
- ◆ Integrated cab with step-up excellent seal holds advanced sound insulation.
- ◆ Integrated double-direction shock deduction fix type.
- ◆ Heating and cooling air-conditioner.
- ◆ Tinted safety glass, safety front windshield.
- ◆ The protection device FOPS and ROPS are put inside the driver's cab frame structure.

## SMOOTH CONTROL

- ◆ Pilot hydraulic controls for low effort, quiet operation.
- ◆ (Vinyl or leather)wrist rest allows the pilot lever to be operated comfortably.
- ◆ Full hydraulic steering, flexible operation.
- ◆ Flexible operation contributes to a step-up in productivity and reduction of operator's fatigue.
- ◆ The dual direction adjustable seat offers more comfort.

## EXCELLENT STRUCTURE CONVENIENT FOR MAINTENANCE

### Engine hood

- ◆ The unitary-folding hood convenient for engine maintenance to be repaired is controlled by the cylinder.
- ◆ When the hood is opened, engine system is fully exposed.
- ◆ The hood with fluent shape is made of compound material.

### Side door

- ◆ Hood side door with the lock is made of none-metal material. Daily maintenance such as refilling oil and fuel is convenient.
- ◆ Opened side door keep away from wheel contaminants by the avoiding-device.

In a few words, that make the daily maintenance easy. New oil and grease can be refilled conveniently. Filter and electric system can be removed and replaced easily. The side door is opened easily for engine oil level to be checked and replacing elements.



## FRAME & WORKING DEVICE

- ◆ Quick coupler will be an optional attachment for the loader.
- ◆ Optimized design working device is productive with the features of automatic leveling in high position and siding block.
- ◆ The structure is progressed by limited element analysis. Each part is distributed evenly with the stress and holds a better life.
- ◆ Each articulated point is equipped with sealed dust proof.
- ◆ Center-point frame articulation. There is no recycling power waste and little tyre wear.

## Basic parameter

Rated bucket capacity	1.8 cbm
Operating weight	10.7 ton

## ENGINE

Model	1006-6T
Type	4-stroke, direct-injection, water cooled
Rated power	92kw
Rated speed	2300r/min
Max. torque	460N.m/1400~1600r/min
Number of cylinders	6
Bore X stroke	100mm X 127mm
Displacement	5.99L
Compression ratio	16:1
Batteries	2 X 12V

## TRANSMISSION

Type	Parallel power-shift ( fixed shaft type )		
Travelling speed ( km/h )	Forward	1st	0 ~ 7.8
		2nd	0 ~ 13
		3rd	0 ~ 25
		4th	0 ~ 35
	Reverse	1st	0 ~ 9.5
		2nd	0 ~ 28

## AXLE

Model	Xuzhou Meritor PRC111D006 axle
Driving system	Four-wheel driving system
Carrier assembly	Spiral bevel gear single reduction
Reduction ratio	5.286
Wheel end reduction assembly	Single planetary reduction
Reduction ratio	3.882

## SERVICE REFILL CAPACITIES

Name	Unit	Liters
Fuel		145
Engine lubrication		20
Transmission		32
Hydraulic tank		160
Axle		25

## STEERING SYSTEM

Type	Articulated frame Full hydraulic power steering
System steering pressure	12.5Mpa
Seering pump mode	CB550
Seering pump displacement	50ml/r

### Cylinder

Type	Double acting
Bore X stroke	∅80mm X 294mm

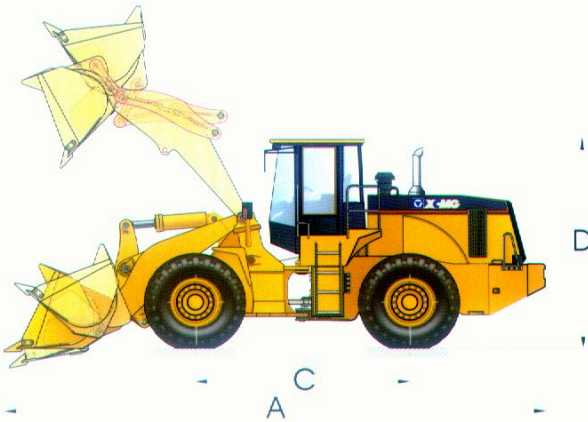
## BRAKES

Service brake	Air-assisted hydraulic-disc brake on 4-wheel
Parking brake	Air-chamber operating inner-expanding shoe brake

## WORKING HYDRAULIC SYSTEM

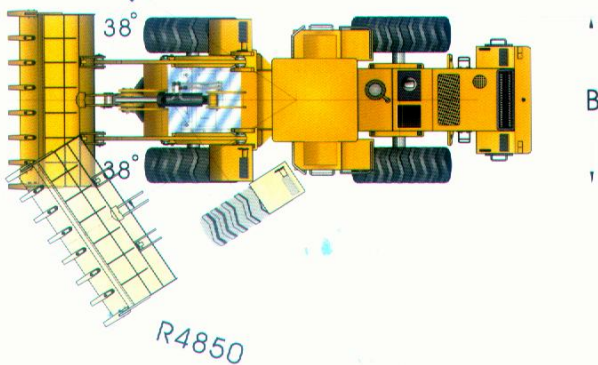
System working pressure	16 Mpa
Pump model	CBG2100
Pump displacement	100ml / r
Cylinder	
Lift, bore X stroke	∅110mm X 780mm
Tilt, bore X stroke	∅160mm X 510mm
Cycle time	
Raise time	≤ 6s
Total cycle time	≤ 10s

## DIMENSIONS



	A	B	C	D
ZL30G(CE)	6870mm	2460mm	2700mm	3263mm

Main Specifications	
ZL30G(CE)	
Rated load	3000kg
Dumping Clearance	2800mm
Dumping reach	1050mm
Max. breakout force	110kN
Articulation angle	38°
Min. turn radius	4850mm
Climb ability	28°
Wheel base	2700mm
Tread	1850mm
L×W×H	6870mm×2460mm×3263mm



**XUZHOU CONSTRUCTION MACHINERY GROUP IMP.&EXP. CO., LTD**

Add: XCMC Headquarters, Xuzhou Economic Development Zone, Jiangsu, China 231004