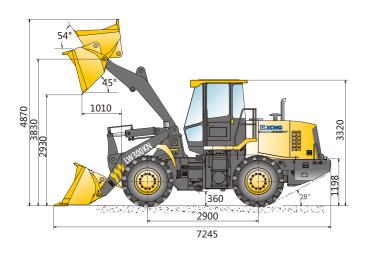
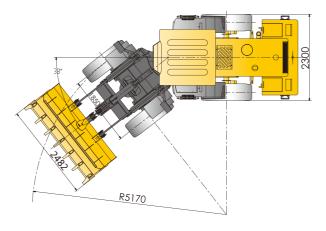
## **Outline Dimensions**





## **Main Specifications**

Description	Specification	Unit		
Rated operating load	3000	kg		
Bucket capacity	1.5~2.5	m³		
Machine weight	10900±200	kg		
Dump clearance at maximum lift	2770~3260	mm		
Reach at maximum lift	1010~1210	mm		
Wheel base	2900	mm		
Tread	1850	mm		
Height of hinge at maximum lift height	3830	mm		
Working height(fully lifted)	4870	mm		
Max.breakout force	130	kN		
Max.horse power	95	kN		
Hydraulic cycle time-raise	5.4	S		
Total hydraulic cycle time	9.3	S		
Min. turning radius over tyres	5170	mm		
Articulation angle	38±1	٥		
Gradeability	28	۰		
Tyre size	17.5-25-12PR			
Overall machine dimension L×W×H	7245×2482×3320	mm		
Model	WP6G125E201			
Emission standards	Emission 2			
Rated Power/Speed	92/2000	kW/rpm		
Fuel Tank	170	L		
Hydraulic Tank	175	L		
I -gear(F/R)	12/16	km/h		
Travel speed $\frac{1 \text{ gear}(F/R)}{\Pi - \text{gear}(F/R)}$	38/-	km/h		

Structure and specification are subject to change without notice. In case there is any difference between the description of the machine and the substantial machine, the substantial machine should govern.



# LV300KN WHEELLOADER



#### Description

#### Specification

Rated bucket capacity	1.8m³
Rated loading capacity	3000kg
Rated power	92kW
Gross weight	10900k
Dumping height	2930m
Maximum breakout force	130kN





## **Product Overview**

 As an outstanding representative of the industry's super-heavy-duty models, LW300KN boasts remarkable advantages in terms of "High energy-conservation, efficiency, reliability, and comfort" compared with industry's like products and is extensively applicable for earthmoving projects, aggregate yards, municipal constructions, and other bulk material transports.

## XCMG's exclusive technologic advantages

- This product is applied with XCMG's exclusive four leading patents and proprietary technologies.
- XCMG's exclusive energy-conservation technology The perfect combination between XCMG's patented energy-conservation drive system and low speed energy-conservation engine builds the one and only 3t energy-conservation product in the industry, with the economy superior by >10% to the industry's like products.
- XCMG's patented lubrication technology The transmission is applied with the XCMG's
  patented optimal lubrication system design technology to thoroughly improve the industry's difficulties of insufficient and non-uniform transmission lubrications and make the
  transmission life remarkably leading the industry.
- XCMG's patented high strength frame With the application of the XCMG's exclusive high strength single plate beam skeleton structure, the "load-carrying material ratio" is remarkably leading the industry products.
- XCMG's unique structure design The extended wheelbase and the classic 3rd generation loader structure realize higher working capacity, smaller turning radius, and lower wear of rear wheels.



## High firmness and reliability

#### XCMG's patented heavy-duty drive system assembly

The ZL50 planetary transmission is equipped and the imported parts are applied for critical carrying
locations. The transmission lubrication system is optimally designed by test system and methods of
XCMG's patented technologies so that the lubricating oil volume is distributed on-demand to thoroughly
improve the industry's difficulties of insufficient and non-uniform transmission lubrications and make the
transmission life remarkably leading the industry.

The drive shaft flanges are of DIN and SAE standard specifications and the distribution diameter of the

fastening bolts is enlarged to realize super-strong torsion resistance and adapt to severe working conditions.

All load-carrying portions of the drive axle are solid and firm enough to ensure excellent overload resistance

• and meet the needs of diversified high strength and high load operations.



ZL50 transmission with patented technologies



Proved XCMG exclusive drive axle

#### ■ Box frame structure of super-strong carrying capacity

- The heavy-duty extended wheelbase (2,900mm) structure design is applied. The front frame adopts the XCMG's characteristic thick plate structure and the rear frame adopts the reliable single plate beam structure to reinforce the skeleton and adapt to the severe working conditions.
- With scientific strength analysis, the design of the material and structure is optimized and the "load-carrying material ratio" is remarkably leading the industry products to achieve higher reliability.



#### ■ Comprehensive optimized working device

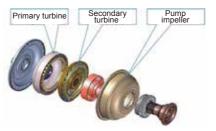
- The thickened boom plates, the rectangular tube arm support beams, and the enlarged cross section and thickened beam plates remarkably improve the adaptability to severe working conditions.
- The bucket is thoroughly made of high strength steel plates to improve the wear resistance and impact resistance by more than 30% and prolong the service life.





## High energy-conservation and efficiency

- As the sole low speed engine energy-conservation product among the industry's 3t loaders, it's leading the industry's energy-conservation trend.
- With the scientific matching and system optimization to play the machine performance to the maximum degree, the operating economy of the XCMG LW300KN is superior by >10% to the industry like products.
- The high capacity torque converter of patented technologies and the in-depth optimized box axle system realize the best matching and remarkably improve the fuel utilization efficiency.
- The low-speed energy-conservation engine equipped achieves outstanding fuel-saving performance while improving the power performance.
- With the application of the double-pump confluence and steering priority equivalent unloading technologies, the hydraulic system increases the machine traction under composite working condition, remarkably reduces the energy consumption, and improves the working efficiency.



The high capacity torque converter with optimized turbine set grille structure improves the double-pump confluence system to maximize the transmission efficiency and minimize the energy consumption. In addition, the reduced thermal balance temperature of the hydraulic oil effectively improves the reliability of the related parts.



The double-pump confluence system minimizes the energy consumption.

## **High safety and comfort**

- The full-view cab sufficiently takes in consideration the human-machine functions to realize high operation safety and comfort.
- The full-coverage delicate interior trim parts, the large view, and the optional multifunctional player and luxury loudspeakers build the best operating environment.
- The domestically advanced combination instrument is applied, featuring beautiful modeling and convenient
  operations and maintenances. All control switches, instruments, and warning and indicator lamps are integrated
  and all buttons are easily accessible to realize all working motions with ease.
- The panorama rear windscreen, high-mounted rear lamps, and reversing sensor equipped ensure good visual field and reversing safety.
- The standard pilot control and A/C system make the operations more comfortable.









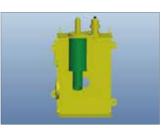
### **Convenient maintenances**

- Undertaking the concept of "ground maintenances", all maintenance locations are scientifically arranged to ease the checking and maintenances.
- The large spacing between upper and lower hinged plates realizes high structural strength and sufficient maintenance space.
- The new skeleton structure engine hood with large upturning side gates boasts large opening angle and make the services and maintenances easier for the engine and radiator.
- The central fuse case centrally indicates the working status of electric system and eases the maintenances.
- The preloaded hydraulic oil tank realizes less air exchange and high cleanliness of hydraulic system.









## Variety attached tools meeting requirements of different working conditions

- Clamp: For grab and transport of various woods and tubing.
- Snow plough: For snow removing in roads and urban streets.







## **Specification of variant attachments**

Item	Log clamp I	Log clamp IV (offset tooth )	Toad's mouth clamp	Paired and Staggered interconvert	Grasping grass machine	Pallet fork	Snowplow	Unit
Dump clearance at maximum lift(front dump)	2980	2819	2784	2910	3025	3000		mm
Reach at maximum lift(front dump)	1410	1222	1134	1630	2028	1610		mm
Dump clearance/reach at maximum lift ( side dur	mp)							mm
overall hight at maximum lift						3500		mm
Max. dumping angle(work tool)	35	45	45	30	20	25		0
Max.opening	1616	1644	1576	1410	2800			mm
Max. clamping diameter	830	590	580	50	1045			mm
Max.working width(snowplow)							3018	mm
Slewing angle (horizontal)							±30	0
Swing angle (snowplow)								٥
Rack back angle at ground						23		٥
Length(work tool)	1460	1460	1420	1780	1950	1730	1365	mm
Width(work tool)	1875	1820	1650	2026	2198	2015	3018	mm
Height(work tool)	1520	1500	1750	1330	1740	890	1120	mm
Tine length(pallet fork)						1050		mm
Overall machine dimensions-length	7327	7319	7281	7537	7811	7245	7212	mm
Overall machine dimensions-width	2350	2350	2350	2350	2350	2350	3018	mm
Overall machine dimensions-height	3320	3320	3320	3320	3320	3320	3320	mm