Outline Dimensions



Main Specifications

Description		Specification	Unit	
Rated operating load		1800	kg	
Bucket capacity		0.9 ~ 1.1	m ³	
Machine weight		6200	kg	
Dump clearance at maximum lift		2650 ~ 2970	mm	
Reach at maximum lift		900~1000	mm	
Wheel base		2300	mm	
Tread		1550	mm	
Max.breakout force		≥58	kN	
Hydraulic cycle time-raise		5	s	
Total hydraulic cycle time		≤8.5	s	
Min. turning radius over tyres		4470	mm	
Articulation angle		35		
Gradeability		28		
Tyre size		16/70-20		
Overall machine dimension L×W×H		5980×2060×2950	mm	
Model		YC4D80-T20		
Rated Power/Speed		58/2400	kW/rpm	
Fravel Speed	I -gear(F/R)	0~9/0~9	km/h	
	II-gear(F/R)	0~26/0~26	km/h	

No further information of sample contents, product structure and configuration parameters updates. There maybe some difference between sample hooks and motorial objects Please kind newall



LW180K WHEELLOADER



OXGMG



Heavy-duty · High-end Supreme quality and industry benchmark

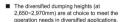
Model Characteristics

- XCMG's unique heavy-duty drive and structural parts boast high carrying capacity.
- The all-new optimized working device challenges the efficiency limit of small-sized loaders.
- The streamline exterior, large-view glasses, and arc ballast feature beautiful modeling and are in line with international mainstream level.
- The human-oriented design guarantees safety, reduces the fatigue, and builds an excellent operating environment for you.

■ The optional hydraulic pilot control, FOPS/ROPS cab, A/C, and audio system feature comfortable operations and high driving safety.

Performance Highlights

- The extended wheelbase (2,300mm) design applied adapts to diversified super-heavy working conditions, with the stability leading the industry.
- With powerful digging force (The breakout force of LW180K is ≥58kN) and strong breaking force, it handles diversified materials with ease.
- It boasts the industry's best traveling speed (26km/h), featuring high rapidness and efficiency.







Excellent quality power and drive systems

Strong power

- The engineering version leading Yuchai engine for small-sized loaders features China-II emission compliance.
- With strong power and high torque reserve factor, this
 engine meets the instant overload demand during operations and sufficiently provides the power required for
 heavy-load operations.



XCMG self-made transmission and special torque converter

- The special high capacity torque converter ensures the maximum utilization of engine power.
- The enhanced design and large modulus gears effectively improve the overload capacity of the transmission.
- The countershaft transmission features high reliability and efficiency and convenient maintenances.



Enhanced heavy-duty drive axle of outstanding performances

- The solid and firm load carrying portions, integral ring gears, and large modulus gears boast excellent overload resistance to meet the needs of diversified high strength and high load operations.
- The fatigue life test of >820,000 cycles completely meets the needs of heavy-duty operations.



Firm and reliable super-strong heavy-duty structural parts.



- The heavy-duty design, thick plate structure, and robot welding process ensure high torsion resistance coefficient and strong overload capacity.
- The finite element analysis technology is applied to reduce the stress concentration and eliminate the partial weaknesses so that the frame is resistant against impact and overload and handles with ease all kinds of super-heavy-load conditions.
- The approximate centering design for main hinge joints reduces the turning radius and lowers the tire wear and energy consumption.

International quality hydraulic and electric units

- All hydraulic parts adopt domestic leading brand products.
- The harnesses are made of high quality material and the process layout is optimized to ensure reliable electric circuit system.
- The international quality hydraulic hoses applied feature high heat and pressure resistance and long service life.
- The hydraulic pipelines adopt double sealing means (DIN standard 24° taper thread + O-ring) to achieve better sealing performance and effectively solve the leakage problem.







Spacious Cabin



- The super-large luxury cab (1,550mm in longitudinal length) features large space and good visibility.
- The application of adjustable dashboard meets the needs of individualized operating habits.
- The optional A/C, heater, and audio system build a comfortable and safe operating environment.
- The optional FOPS/ROPS cab and the hydraulic pilot control improve the operation comfort.
- With sound insulation and noise reduction measures, the internal noise of the cab reaches the world's first-class level.

Convenient Maintenances

- The openable forward-tilting rear hood can completely expose the engine and water tank to achieve easy and convenient services and maintenances.
- The points for checking of oil level and adding of oil and grease are arranged at the easily accessible locations to make easier the checking and replacement of air filter element and electric parts.
- The system pressure checking ports are concentrated to save the maintenance time and labor.
- The central fuse case centrally indicates the working status of electric system and eases the maintenances.







Variety attached tools meeting requirements of different working conditions









Specification of variant attachments

Item	Quick-change bucket	Grasping grass machine	Clipping plier	Side-dump bucket	Pallet fork	Snowplow	Un
Overall hight at maximum lift	-	3050	3050	3135	3180	-	mı
Dump clearance at maximum lift(front dump)	2580	2780	2690	2530	2520	-	mı
Reach at maximum lift(front dump)	990	1630	1270	1590	960	-	m
Dump clearance/reach at maximum lift(side d	ump) -	-	-	3623/83	-	-	m
Max. dumping angle(work tool)	45	20	30	30			
Length(work tool)	965	1300	1035	1580	1555	1900	m
Width(work tool)	2060	1750	1255	1220	1220	858	m
Height(work tool)	890	1310	1124	1016	1110		m
Tine length(pallet fork)	-			1070	1070	28	m
Max.clanmping diameter	-	800	300		818		m
Max.opening	-	2100	1010	-	-	-	m
Overall machine dimensions-length	6015	6400	6135	6300	6830	-	m
Overall machine dimensions-width	2060	1960	1960	1960	1960	-	m
Overall machine dimensions-height	2950	2950	2950	2950	2950	-	п