



### LGL30FM Mining Loader

Wheel loader SWL30FM gets improved in terms of its power system, frame assembly, hydraulic system, working mechanism and out-looking shape, by which greatly improves the machine performance in the aspects of machine technical data, performance reliability, operation comfort and working efficiency. It is mainly used to load and unload the materials in bulk and also suitable for the performance of soil shoveling, spading, lifting and towing etc.

1. Known YC6108G engine is adopted as its power system with advanced performance and high reliability.
2. Adopting fixed-shaft-type gearbox for power gearing, which is geared stably in terms of four gears forward and two gears reverse.
3. Radiation system is improved by enlarging the fan and water tank area, which will better the machine radiation performance.
4. The machine with the mechanism of front driving axle rigid connection and rear axle swinging is

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suitable to different terrain condition; the machine is of four-wheel drive with rational axle load distribution and powerful traction ability.

5. The front and rear frame structure have been optimized designing, which improves structure strength and rigidity of the frame and working mechanism, so as to increase the unloading height, which, being as the result, effectively meets the application requirement under the extremely tough working condition, such as: in mining area. Key articulated joints are dust-proof sealed, with enclosed lubrication, which will prolong the service life of bearings and shaft sleeves.

6. The; optimized designing bucket, the thicken cutting edge and the strengthened bucket teeth greatly improves strength and wear-resistance of the bucket, which prolongs the life of the bucket,

7. The optimized designing hydraulic system increases the working pressure up to 15MPa, enlarges the break-out force of the machine and shortens the total cycling time, by which to better the working efficiency.

8. Full hydraulic steering system makes the machine turning agilely and comfortably. The more rational axle load distribution enlarges the wheelbase of the driving wheel, by which improves the traction and reliability performance of the machine.

9. There are many options for attachments and bucket to apply for different working situation, e.g. clamps, side-dumping buckets, straw pickers and siding forks.

Loading specification	
Rated load	3000kg
Rated bucket capacity	1.7M3
Max. breakout force	90KN
Dumping clearance	3000mm
Dumping reach	1100mm
Engine Specification	
Model	YC6108G
Type	In-line, 6ylinder, water cooling; direct injection diesel engine
Power	92Kw
Rated speed	2300rpm
Max. torque	460N.M/1400-1600rpm
Traveling specification	
Traveling speed: F1;F2;F3;F4; R1;R2	10km/h; 16km/h; 21km/h;35km/h; 14km/h; 25km/h
Grade-ability	28°
Turning radius	6200mm
Dimension specification	
Overall size (L x W x H)	7250mm x 2400mm x 2750mm
Wheel base	2750mm
Tread	1776mm

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Tire specification	
Tyre size	17.5-25
Mass specification	
Operating weight	10000kg

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