

Reliability in Action



L968F
Wheel Loader
Special Type For Mines

Customer service is first priority

SDLG focuses on delivering outstanding customer service throughout a machine's life cycle. Its integrated service management system monitors and analyzes the machine's functions to ensure that it is working at optimum capacity, while service alerts notify customers about forthcoming maintenance checks. SDLG's attention to detail is one of the ways it continues to be the industry's No. 1 in terms of customer service satisfaction.

Value-added service

SDLG's aftercare promise guarantees high quality service and offers experts who are on-hand to answer any questions or to solve problems. SDLG's service team uses advanced technology to support its maintenance checks in the field. Moreover, it aims to work with customers to define an efficient business solution.

Global service network

SDLG's worldwide service and spare parts network provides fast, efficient and professional round-the-clock service, anytime, anywhere. SDLG exceeds customers' expectations.



EFQM

Congratulations to SDLG on winning
the EFQM Global Excellence Award
One of the world's top three quality awards



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L968FWheel Loader

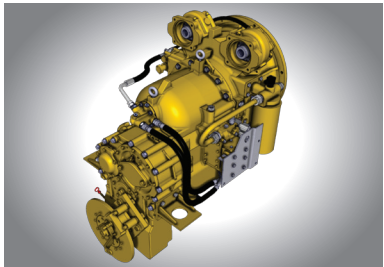
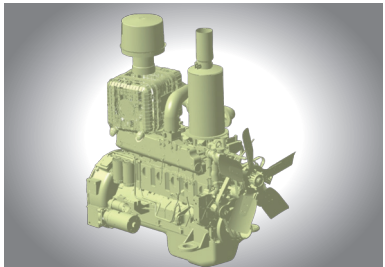
L968F loader is a kind of highly reliable and energy-saving product newly designed by SDLG with the long wheelbase and large digging capacity,and is tailor-made for the mining dock and other heavy-duty conditions, with the new family appearance design manifesting the steady and generous characteristics.

Reliability

It is equipped with Weichai WD10G240E202 engine which features high power reserve, high torque, strong power, low fuel consumption, high quality, low emission and high reability.

VRT200 gearbox is adopted with front four and rear four gear positions to render better transmission efficiency and larger transmission ratio of forward positions 1 and 2 owing to the one additional position, and its comprehensive efficiency is increased by over 8%.

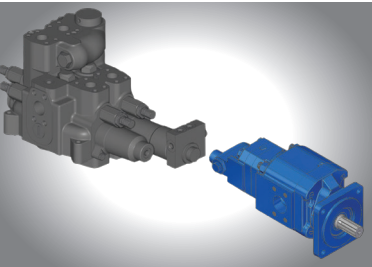
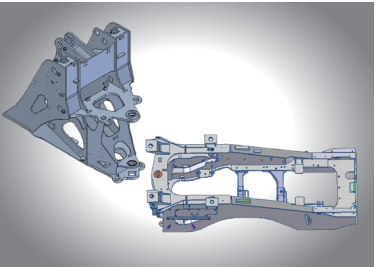
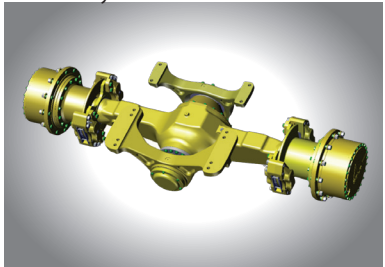
Steel engine hood produced using automotive grade molds is adopted. It adopts the streamlined structure with surface welded points removed, making it look attractive and magnificent. The molded balance iron employs a more powerful shape to provide high reliability and strength.



Lingong reinforced drive axle is adopted with strengthened design, strict technology and guaranteed quality. The rear axle adopts the swing type support with improved reliability, large bearing capacity and service life increased by 50%.

The new generation of brand new optimized front and rear frames are adopted with reliable VOLVO technological reliability, rational distribution of load, rational structure and twofold fatigue life.

The working hydraulic system adopts high-end Parker multiway valves and Permco working pumps which are reliable and highly efficient.

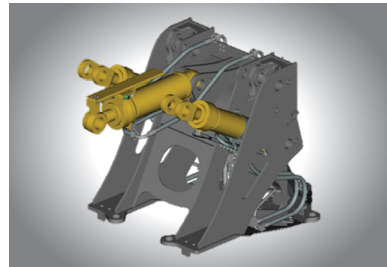


Convenience

The engine hood and heat dissipation hood adopt the large opening design to provide larger space for maintenance.

The oil cylinder adopts a unified design and the seals have a universal height to facilitate storage of accessories and maintenance.

Electric system centralized control mode is adopted. The fuse and relay of the entire machine are installed in a centralized control box to facilitate inspection and maintenance.



Comfort

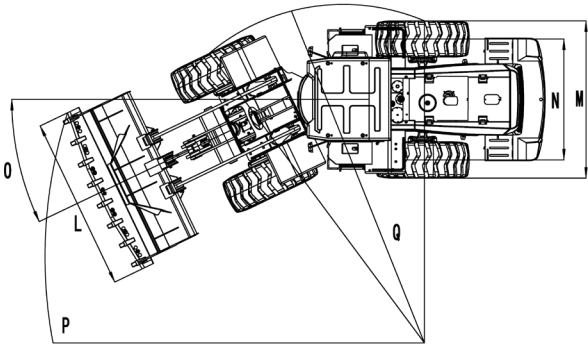
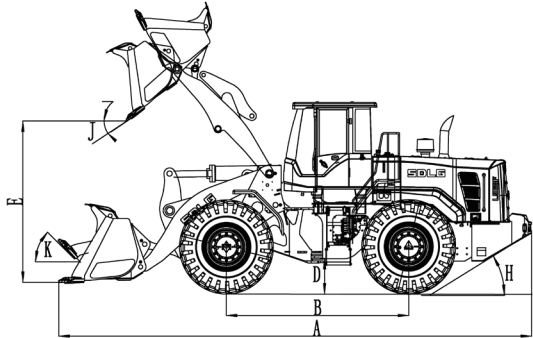
The new generation cab is adopted with space increased by 15% to enhance safety and comfort. The attractive curved front windshield provides a broad view.



Energy Saving

The electric control high pressure common rail engine is adopted with torque increased by 12% to provide better power performance.

Main specifications



Item	Specifications
Overall dimension	
LxWxH(AxLxC)	8770×3200×3470 mm
Wheel base(B)	3400 mm
Min.ground clearance(D)	530 mm
Max.dumping height(E)	3250 mm
Dumping distance(G)	1210 mm
Dumping angle(I)	-45°
Wheel tread (N)	2250 mm
Steering angle(O)	38°
Horizontal crossing radius(P)	7140 mm
Min.turning radius(Q)	6062 mm
Overall parameter	
Bucket capacity	3.5 (3.0-5.0) m³
Rated load	6000 kg
Operating weight	19950 kg
Max.tractive force	≥ 180 kN
Max.breakout force	≥ 210 kN
Tipping load	≥ 123 kN
Engine	
Model	WD10G240E202
Type	Inline, water-cooled, dry cylinder liner, direct injection
Rated power	178 kW
Rated speed	2100 r/min
Engine displacement	9726 ml
Cylinder bore/stroke	126/130mm
Max.torque	1000 N.m
Emission standard	GB20891-2007 (stage II)
Min.fuel-consume ratio	210 g/kw.h

Item	Specifications
Transmission system	
Torque converter	Single-stage three-element torque converter
Transmission type	Axis-fixed electro-hydraulic transmission
Gears	four forward four reverse
Speed at forward gear I	0 ~ 7 km/h
Speed at forward gear II	0 ~ 13 km/h
Speed at forward gear III	0 ~ 28 km/h
Speed at forward gear IV	0 ~ 38 km/h
Speed at reverse gear I	0 ~ 7 km/h
Speed at reverse gearII	0 ~ 13 km/h
Speed at reverse gear III	0 ~ 28 km/h
Speed at reverse gear IV	0 ~ 38 km/h
Hydraulic system of working device	
Type	Hydraulic pilot control
Total time	≤ 10.3 s
Brake system	
Service brake type	air over hydraulic disc type
Parking brake type	Electric pneumatic caliper disc type
Steering system	
Type	load sensing full hydraulic articulated steering
System pressure	16 MPa
Fill Capacity	
Fuel	350 L
Hydraulic oil	250 L
Engine	20 L
Transmission	19.5/4.7 L
Drive axle	40+36 L

* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change. Illustrations in the text may not always be the standard illustrations for this model.