

Shandong Lingong Construction Machinery (SDLG), first established in 1972, is a leading international manufacturer of construction machinery, and the national-level high-tech company. Main products include loaders, excavators, road construction machinery, and core key components.

In October 2019, SDLG was awarded the Excellence Award (European Quality Award). This achievement made SDLG the first Chinese enterprise to hold three prestigious quality honors: the National Quality Award, Asian Quality Excellence Award, and European Quality Award.

"Take the route of top brand, build a centennial SDLG", SDLG is working hard to build the leading international manufacturer of construction machinery. By making the intensive and innovative development, it aims to become the most satisfying and recommendable brand in the construction machinery industry.



Reliability in Action

L970H HB
Hybrid Wheel Loader



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



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Mature platform

- ◆ Mature frame platform features reasonable load distribution and good stability.
- ◆ The adoption of a new sealing design, reinforced hydraulic cylinders, and optimized hydraulic line routing enhances reliability and prolongs service life.



- ◆ Equipped with self-developed strengthened axles and drive shafts. The transmission components are treated with new processes for reinforcement, and the gear ratio is optimized, making it more suitable for heavy-duty working conditions.
- ◆ The comprehensive application of lightweight and high-strength technologies optimizes the working device, improving strength while reducing weight.

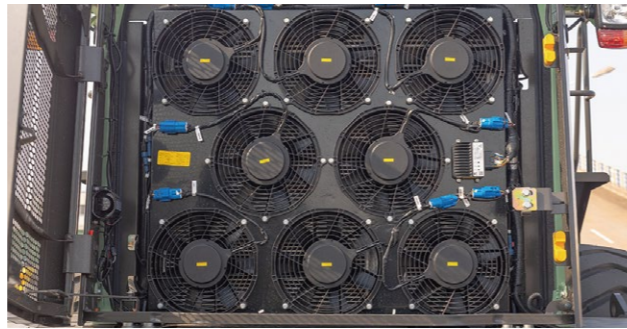


High efficiency and low fuel consumption

- ◆ The optimization of performance coordination between the engine, generator, and electric motor, along with multiple operating modes tailored to various working conditions, improves overall machine efficiency, control, and energy savings.



- ◆ Fully hydraulic brakes provide powerful, reliable braking performance with minimal maintenance. The integrated cooling system keeps all critical components—generator, engine, hydraulics, transmission, and motor controls—running smoothly.

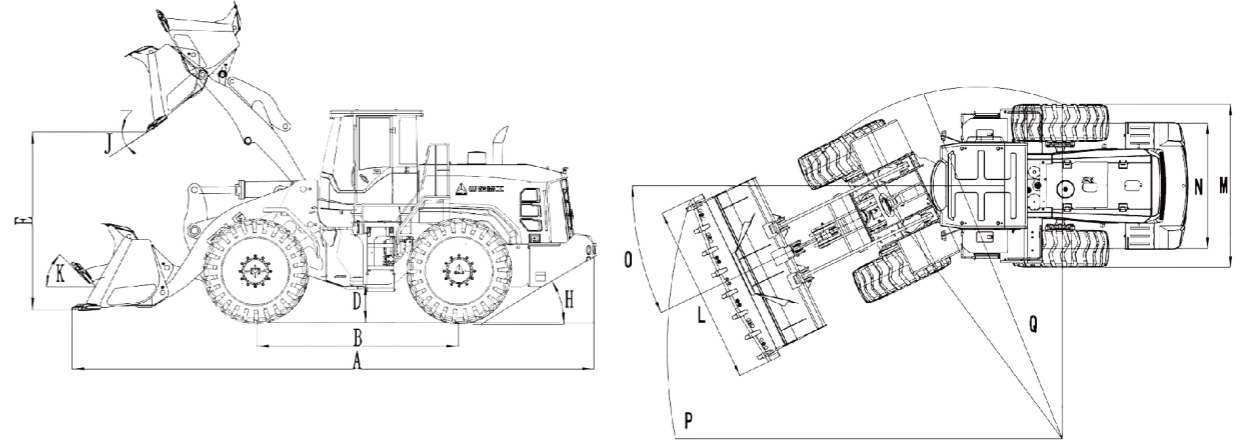


Intelligent operation, comfortable experience and convenient maintenance

- ◆ H-generation cabin features ergonomic layout, logical button placement, spacious interior, and excellent visibility.
- ◆ Equipped with high-end suspension seats, adjustable steering column, heated/cooled storage box, air conditioning, etc., providing excellent comfort.
- ◆ A 7-inch LCD screen with bus transmission technology features rich display content.
- ◆ Bus-type audio system, combined with the virtual operation of the Keypad, provides a high level of human-machine interaction.
- ◆ The large door hood design is convenient for maintenance and repair. The electrical system is centrally controlled for easy repair and inspection. A standard diagnostic interface is adopted, facilitating the detection and maintenance of electrical components.
- ◆ Equipped with CATL battery and European - standard charging port.



L970H HB Main parameters



Item	Specifications	Item	Specifications	Item	Specifications
Overall dimension		Electric system		Hydraulic system of working device	
LxWxH	9680x3100x3550 mm	Battery Type	Lithium Iron Phosphate (LFP)	Type	Hydraulic pilot control
Wheel base (B)	3500 mm	Battery capacity	105 kw.h	Time sum of three items	≤10.3 s
Ground clearance (D)	530 mm	Voltage	608.6 V	Working pressure of working device hydraulic system	21 MPa
Dump clearance (E)	3520 mm	Charging type	DC	Braking system	
Dump reach (G)	1340 mm	Engine		Service parking type	Full hydraulic brake
Dump angle (J)	-45°	Model	YCA05K175-T480	Parking brake type	Handbrake
Wheel tread (N)	2320 mm	Type	In-line, water-cooled, four-stroke, electronically controlled high-pressure common rail	Steering system	
Turning radius, bucket carry (P)	7400 mm	Displacement	5018 ml	Type	Load sensing full hydraulic
Turning radius, outside of tire (Q)	6240 mm	Engine power	129 kW	Working pressure of steering system	16 MPa
Overall parameter		Max.torque/rotation speed	680Nm/1300-1600r/min	SERVICE CAPACITY	
Bucket capacity	3.0 ~ 6.0 m ³	Transmission type	Planetary power shift	Hydraulic system	240 L
Rated load	7000 kg	Shifting gears	F2R1	Fuel	320 L
Operating weight	22700 kg	Main drive type	First transmission of spiral bevel gear	Engine oil	15 L
Max. tractive force	180 kN	Wheel reduction type	One-stage planetary reduction	Axle	Front axle 40L, Rear axle 36L
Max. breakout force	≥200 kN	Drive type	Full time 4WD	Transmission	45+6 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.