

Reliability in Action



# L975F

Wheel loader



[www.sdlg.com](http://www.sdlg.com)



# L975F

## Wheel loader

- Overall weight : 24400 kg
- Standard bucket capacity : 4.2 (optional 3.5~7.0)
- Engine power : 199kW



## Product superiority

L975F is a luxury and comfortable three-stage loader for loading and unloading incompact materials. It adopts a new streamlined appearance design, and the overall shape is beautiful. The machine has the advantages of large breakout force, comfortable operation and high working efficiency. It is widely used in construction sites, mining, wharfs and other working conditions.



**RELIABLE AND  
DURABLE**



**EFFICIENT AND  
ENERGY-SAVING**

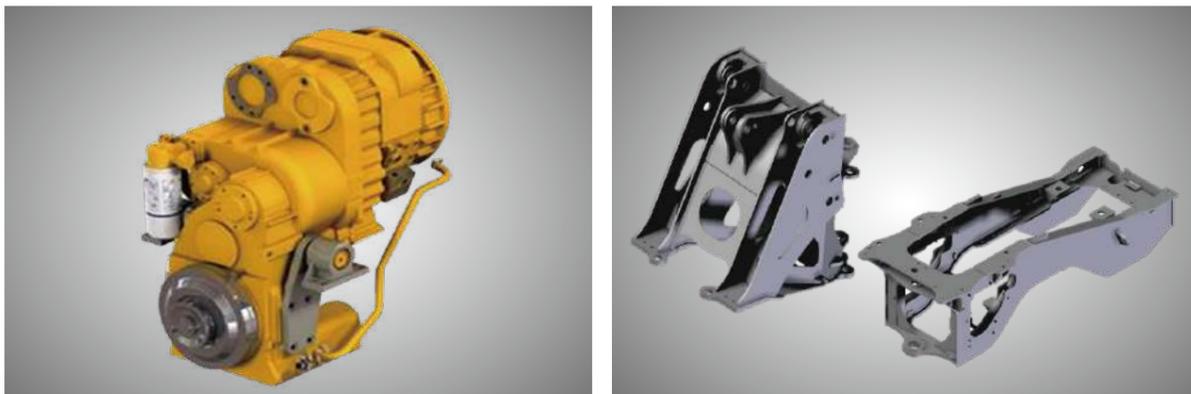


**SAFE AND  
COMFORTABLE**

# RELIABLE AND DURABLE

## ReliableReliable

- ◆ Engine: Fitted with a Weichai engine well matched to drivetrain and hydraulics gives you a efficient and reliable machine
- ◆ Gearbox: Using cutting edge technology in the fully automatic transmission HTE205C
- ◆ Frame: The machine adopts the new structure front and rear frame, the load distribution is reasonable, the configuration turns to soft limitation, which can reduce vibration with sound stability.



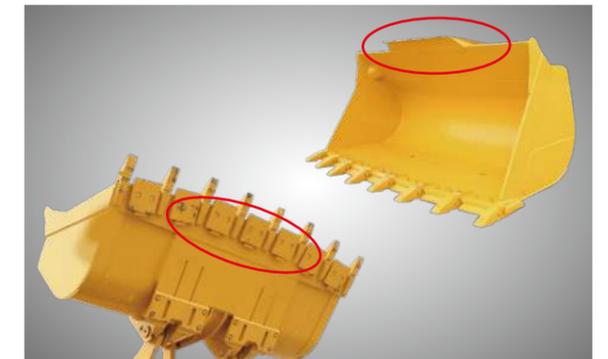
## Standard-equipped air filter of oil bath type

- ◆ The second-layer filter of standard-equipped air filter of the oil bath type in the engine cover is 93 dust rate, and the filtering effect of particles and dust is over 95%. It is more suitable for severe dust working conditions in mines. It basically eliminate the occurrence of faults such as engine early grinding.



## Bucket

- ◆ Anti-falling guide plate can prevent falling of materials, effectively protecting swing arm and oil cylinder;
- ◆ The inside of the bucket wall is strengthened and the bottom of the bucket is designed with wear-resistant plate.



## Standard-equipped LED lights

- ◆ The 6 standard-equipped LED lights make high brightness at night, with sound visibility, safety and indefatigability.



# EFFICIENT AND ENERGY-SAVING

## Powerful

- ◆ It is characterized by proprietary power matching technology, the engine and the drive system are perfectly combined, and the traction and breakout force are 15% higher than similar competitors;
- ◆ The hydraulic system design pressure is higher than similar products with powerful lifting force;
- ◆ It has long wheelbase, large tires, strong roadholding and sound stability.



## Low fuel consumption

- ◆ Engine: The machine adopts the domestic well-known brand engine with SDLG professional adjustment, perfect matching Lingong's vehicle, which has strong power, high reliability, and low fuel consumption. Under the same workload, the fuel consumption is nearly 50% lower than that of two 5-ton loaders.
- ◆ Constant variable confluence hydraulic system can automatically adjust the displacement of the pump according to the size of the load and reduce overflow loss. The fuel consumption is about 12% lower than similar machines.
- ◆ It adopts cooling system and intelligent cooling system with Lingong's patent technology, which can automatically adjust the fan speed, reduce the fan energy consumption, and save energy with high efficiency.



# SAFE AND COMFORTABLE

## Interlock switch/lifting limiting displacement

◆ Interlock switch: The engine cannot be started when the gearbox is not in the neutral position, effectively preventing misoperation.



◆ Lifting limiting displacement: When the swing arm is lifted to the highest point, it will stop automatically to avoid damage of cylinder and working device caused by hydraulic shock.



## Full hydraulic wet brake

◆ Full hydraulic wet brake system: The travelling crane's brake adopts double-circuit system, which has good braking performance and is reliable and safe.



## Pilot dual handle control

- ◆ It has the industry-specific pilot dual handle for easy, light and flexible operation;
- ◆ The operation of compound action is easier to realize, especially the three-handle operation of wood clipping/side unloading, which is more handy;
- ◆ The shift-shifting function is transplanted to the control panel, which can realize the joint operation of commutation and operation with one hand, more comfortable and more efficient;
- ◆ With safety lock, the man-machine operation is safer.



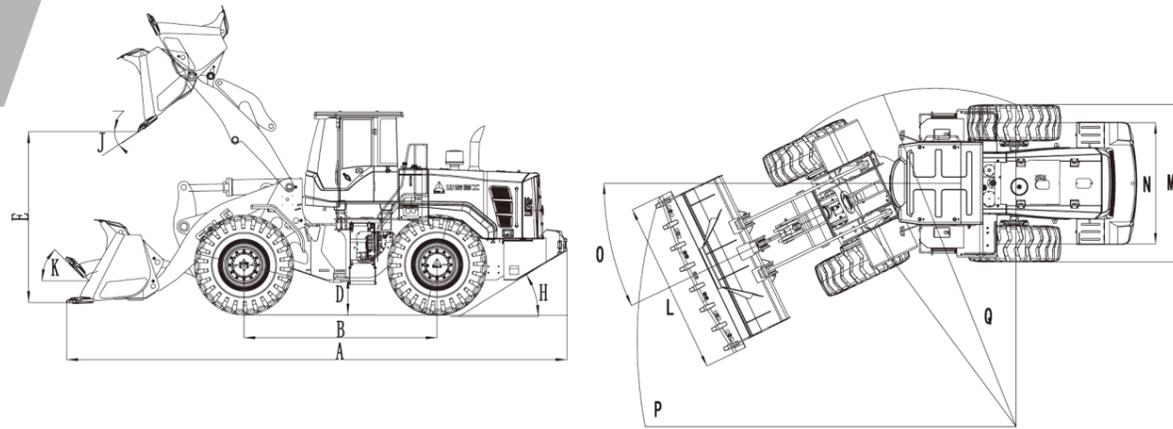
## It has new appearance, and new structure cab

- ◆ Its internal space is increased by 15%;
- ◆ The driving room noise reaches 78.6 dB, leading the industry;
- ◆ Its visual field width is increased by 20%;
- ◆ The color Chinese instrument is eye-catching and clear;
- ◆ Its airtightness is increased by 35%;
- ◆ Standard-equipped large capacity air conditioning.



# L975F

## Main performance parameters



Item	Specifications	Item	Specifications	Item	Specifications
<b>Overall dimensions</b>		<b>Engine</b>		Reverse gear II	0~13.7 km/h
L×W×H	9525×3320×3620 mm	Model	WP10G270E341	Reverse gear III	0~27.3 km/h
Wheel base	3550 mm	Type	In-line, water-cooled, dry liner, direct injection	Reverse gear IV	0~40 km/h
Min. ground clearance	506 mm	Engine Power	199 kW	<b>Hydraulic system of working device</b>	
Max. dumping height	3600 mm	Rated Speed	2200 r/min	Type	Hydraulic pilot control with dual ball-head handle
Dumping distance	1300 mm	Engine displacement	9726 ml	total time	10.9 s
Dumping angle	-45°	Max Torque/Speed	1300N.m/1400r/min	System Pressure	24 MPa
wheel tread	2350 mm	Emission standard	GB 20891-2014 (China Phase III)	<b>Brake system</b>	
steering angle	38°	Min.fuel-consume ratio	≤215 g/(kW.h)	Service brake type	Full hydraulic dry brake
horizontal crossing radius	7550 mm	<b>Transmission system</b>		Parking brake type	Caliper disc brake of pressure release style
min.turning radius	6330 mm	Torque converter	Single-stage three-element torque converter	<b>Steering System</b>	
<b>Overall parameters</b>		Transmission type	Axis-fixed-shaft electro-hydraulic transmission	Type	Load sensing
Bucket capacity	4.2m³ (Optional 3.5~7.0)	Gears	Forward 2 reverse 1	<b>Fill capacity</b>	
Rated load	7000 kg	Speed at forward I	0~7.4 km/h	Fuel	380 L
operating weight	24400 kg	Speed at forward II	0~13.7 km/h	Hydraulic oil	230 L
Max.tractive force	226 kN	Speed at forward III	0~27.3 km/h	Engine	20L
Max.breakout force	195 kN	Speed at forward IV	0~40 km/h	Transmission	55L
Tipping load	140 kN	Reverse gear I	0~7.4 km/h	Drive axle	Front axle44L/Rear axle 37L

\* 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.

