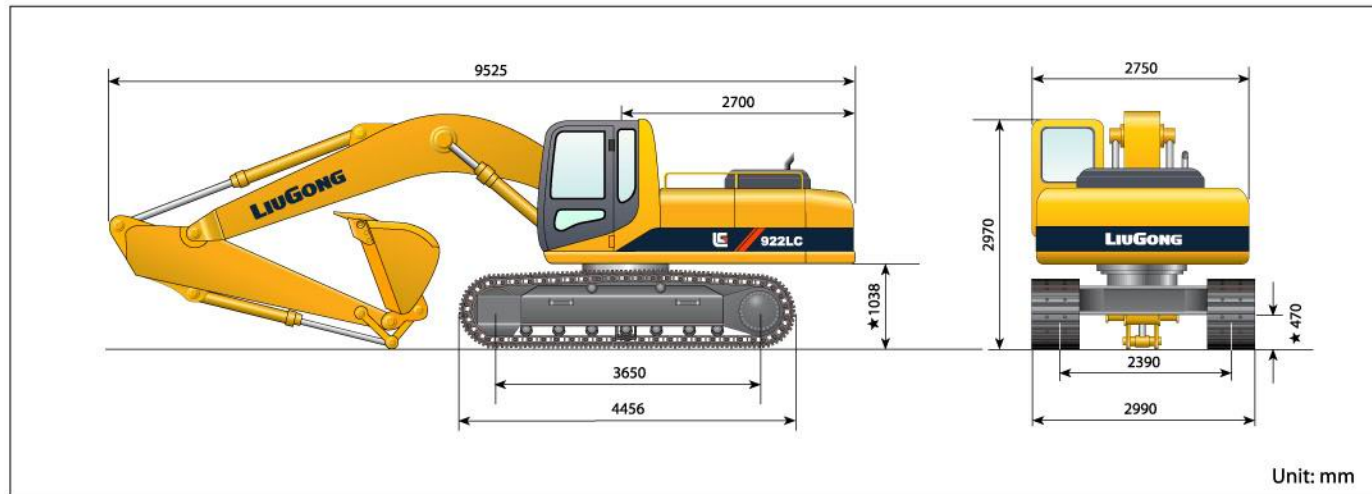
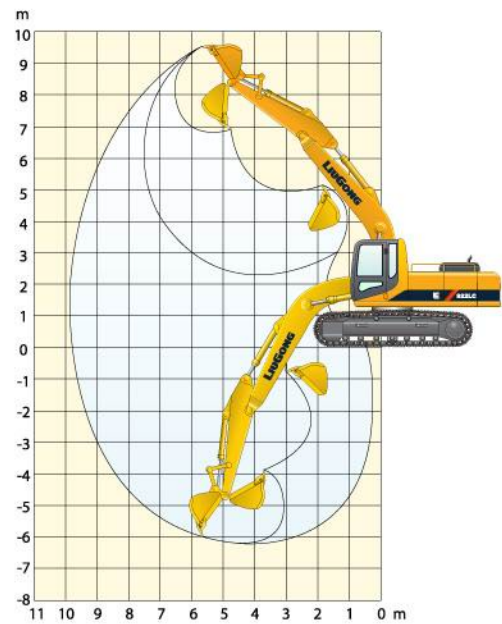


Dimensions



Working ranges



- Please choose the appropriate bucket according to this chart

CLG922LC	Options			Standard	Options
Bucket capacity (m ³)	0.73	0.8	0.88	0.95	1.0
Material density (kg/m ³)	≤1800	≤1800	≤1600	≤1400	≤1400

- Reference material density
(Customers may choose the right bucket according to this form)

Material density	Reference material density
<2000kg/m ³ ●	Solid soil, wet sand, compact wet sand, gravel pits, weathered rock (75% rock and 25% soil), wet sand and gravel, wet gravel, and a solid slag and materials with ★, ▲, ◆, ■.
<1800kg/m ³ ■	Natural clay, wet clay and gravel, dry gravel (size: 1 / 4" - 2"), broken granite, slightly moist sand, wet clay, weathered rock (50% rock and 50% soil), wet soil, soft mud flows, dry sand and gravel, broken slag, gypsum block pieces and materials with ★, ▲, ◆.
<1600kg/m ³ ◆	Stem-dug clay, dry gravel, broken sandstone, dry-compacting soil, limestone, broken pieces weathered rock (25% rock and 75% soil), rock pieces, and gypsum broken block and materials with ★, ▲.
<1400kg/m ³ ▲	Fine clay, bauxite, loose dry sand and materials with ★.
<1200kg/m ³ ★	Dry peat, slag, coal, dry clay and gravel.

Do not fill the bucket with material of more than 2,000 kg/m³ density, such as: solid slag, solid sandstone, hematite, pyrite, solid limestone block, solid gypsum block, magnetite, solid granite, iron rock, solid mafic rock.

Max. loading height	6750mm
Max. cutting height	9520mm
Max. digging depth	6635mm
Max. digging radius	9850mm
Min. turning radius	3400mm
Max. bucket digging force (SAE)	140kN
Max. arm digging force (SAE)	99kN

Ⓞ Materials and specifications are subject to change without notice.

Ⓞ Machines shown may include optional equipment. For more information, please consult our local dealers.

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LIUGONG
Shaping the Future Together

922LC
Hydraulic Excavator



Bucket Capacity 0.73-1.05m³
Rated Power 108kW/2100r/min
Net Power 98kW/2100r/min
Operating Weight 21900kg

Best performance, high quality, high efficiency



360° visibility cab

Comfortable and spacious cab

- Well positioned monitors and controls make complex operation easier.
- Front window and skylight improves ventilation and gives the driver wider visibility.
- Audio entertainment system relaxes the operator during long hours of operation
- Fluorine-free large-capacity air-conditioner with dual air vents and internal temperature control microprocessor.
- The suspension seat is can be adjusted to the most appropriate position.
- Cab mounted on silicon shock absorbers gives the cab outstanding operator comfort with less vibration and noise

Pilot control joystick

- Easier to operate with higher sensitivity for more accurate control of arm and bucket movement.

CAPC system

- CAPC maximizes engine and hydraulic valve performance. Hydraulic system automatically adjusts the output flow to improve operating efficiency. It also lowers and increases speed automatically, and has anti-flameout and automatic warming up.

System self-monitoring and fault alarm

- To realize intelligent operating and control, the system can detect speed of engine, pressure, lubricant status, water temperature, fuel capacity, valve pressure, oil temperature, voltage, and switch status.



Smart operating system

- World class pilot control system, computer aided power control system, diagnostic and alarm system.

CAPC microcomputer control system

- CAPC ensures maximum engine performance.

Optimized working structures

- Enhanced design with high quality materials strengthens all working structures.

Heavily loaded undercarriage, high bucket capacity with high efficiency

- Widened and lengthened track, strengthened bucket.



Reliable CUMMINS engine

When you have a tough job to do, you need the power, precision and flexibility of LiuGong CLG922LC Excavator with Cummins QSB6.7-C155 diesel engine.

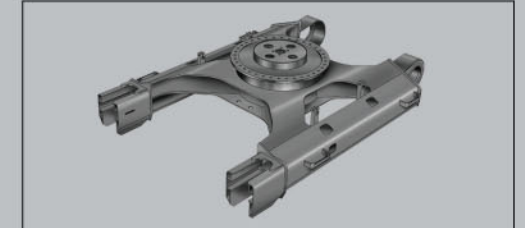
- High Pressure Common Rail Fuel System - Delivers high injection pressure (1600 bar) for improved performance and fuel efficiency at every rpm.
- Full-Authority Electronic Controls - Optimize engine performance and provide seamless integration with other components, advanced diagnostics, plus a complete set of programming options. Upgraded ECM has twice the processing speed of the previous model.



Optimized working structures

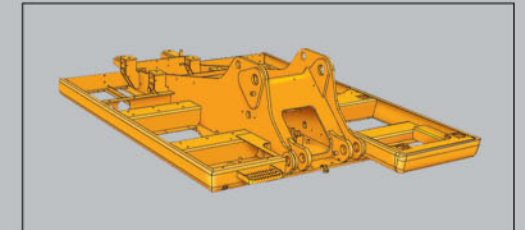
Heavily loaded undercarriage

- Computer stress analysis of the vehicle frame strengthening the frame by: forming highly rigid lower operating planes, axle backbones, and X type design; improving the rigidity of bottom walking frame; enhancing undercarriage in the case of intensity load; and better distribution of load stresses throughout the frame.



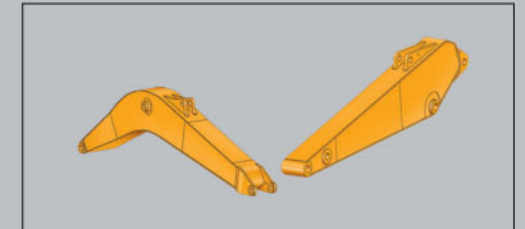
Balanced swing platform

- Increased the beam section in the platform frame improves strength and flexibility. The elaborate arrangement of all components has given the machine a better center of gravity for more stability.



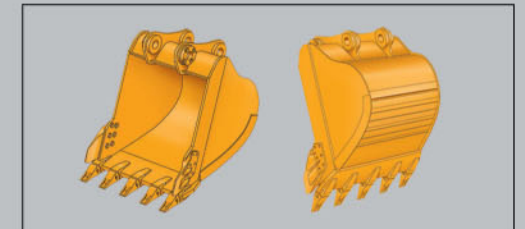
Optimized boom & arm

- The design of the boom and arm have been optimized with the use of finite element software to reduce weight and improve strength by improving the distribution of stress throughout the assemblies.
- The use of self-lubricating bushings in the joints between boom and swing platform and boom and arm.



Durable bucket

- The elaborate design of the bucket shape and inclusion of cross section wear plates minimizes wear. Self-lubricating bushings and high performance cutting edges prolong service life and reduce maintenance costs.

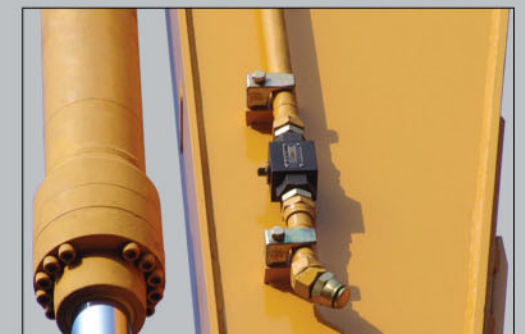


Innovative technology reduces maintenance time and costs

- T Structure with enhanced anti-wear ability and lighter weight reduces maintenance time and costs.

Advanced hydraulic system

- Hydraulic system automatically adjusts the output flow according to the load to match the output power of the engine, enabling the hydraulic system to provide maximum output flow to improve operating efficiency while working with lighter loads and outputs the flow through the negative flow control pump to control the flow within a reasonable range during fine operations
- To ensure safe and reliable travel, the main valve has a locking function to prevent the machine from swinging during driving.
- Auxiliary ports provide for linking hydraulic working attachments.





Reliable, simple and quick service

Quick opening access panels and hoods

- Ground level service access to easily access hydraulic pumps and filters.
- Many components can be maintained without tools.

Quality maintenance free battery

- Maintenance free battery has a long life.



Specifications

Engine

Model	Cummins 6BT5.9-C
Type	6-cylinder, 4-stroke, in line water-cooled, turbocharged, diesel engine
Rated power	108kW/2100r/min
Net power	98kW/2100r/min
Maximum torque.....	597N.M
Displacement	5.9L

Undercarriage

Welded heavy load undercarriage frame ensures outstanding durability in the toughest condition. Idlers, carrier rollers, track rollers are sealed with a floating oil seal providing extended service life.

Number of carrier rollers.....	1 each side
Number of track rollers.....	8 each side
Number of idlers	1 each side
Number of shoes	49 each side
Width of track	600mm/800mm(optional)

Service Refill Capacities

Fuel tank	335L
Coolant	30L
Engine lubricants.....	24L
Hydraulic system	330L
Hydraulic tank	260L

Swing System

The superstructure is swung by a high torque plunger piston and 2 stage planetary reduction gear, with an internal spring brake, hydraulic start, and automatic brake when swing control handle in a neutral position.

Swing speed.....	12.4r/min
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Hydraulic System

Main pump ..Tandem variable displacement piston pumps	
pumpsMaximum flow.....	2 x 200L/min
Main reilief valve pressure.....	32/35MPa
Maximum pressure of swing circuit.....	25.5MPa
Maximum pressure of travel circuit	32/35MPa
Main relief valve boom/arm/bucket	37MPa
Pilot circuit	4MPa

Drives & Brakes

Pilot control has two levels with integrated pedals for precise steering control. The motors and hydraulic pipelines are set inside the track system to prolong their working life. Parking brake and shock-absorbing valves are installed in the motor for stable traveling and reliable braking.

Travel speed	High:0-4.9km/h, low:0-2.9km/h
Gradeability	35°(70%)

Control System

All working movement are controlled by a hydraulic pilot system. The right-hand lever controls the boom and bucket movement while the left-hand lever controls the arm and swing. The two foot-controlled pilot valves with integrated hand levers control travel direction and swing direction. Travel speed is charged by an electric switch.