



<b>Engine</b>	Cummins QSB7
<b>Rated Power</b>	124 kW(166 hp / 169 ps) @ 2,050 rpm
<b>Net Power</b>	117 kW(157 hp / 159 ps) @ 2,050 rpm
<b>Maximum Dig Depth</b>	6,562 mm
<b>Standard Bucket Capacity</b>	1.0 m <sup>3</sup>
<b>Operating Weight</b>	22,000 kg

## **922E EXCAVATOR**





# MAXIMIZE RETURN ON YOUR INVESTMENT

LiuGong’s **customer-driven** design and **quality-focused** engineering creates lasting value that will deliver to your bottom line.

## DEPENDABLE POWER

Unmatched performance driven by the Cummins QSB7 Tier 3/Stage IIIA Engine,

## IPC (INTELLIGENT POWER CONTROL)

IPC ensures the mechanical, electrical and hydraulic systems work in perfect harmony for efficient and precise control. Maximizing torque outlet with more power and breakout force.

## AUTO-IDLE SPEED FUNCTION

Hydraulic signals detect activity, decreasing and increasing engine speed as required. Power is supplied only as needed, achieving optimum fuel efficiency.

## VERSATILITY

Options for auxiliary hydraulic piping include bi-directional variable high flow lines, an additional line for rotating attachments and also a single acting line. The quick coupler further ensures you get the most out of your machine by easily switching between a wide range of attachments to suit any application.

## BOOM AND ARM

Boom and arm structures are designed for long-term durability and resistance to bending and torsional stress. Large cross-sectional areas incorporate one-piece steel castings to provide improved strength and standard rock guard plates and vertical guards further protect the arm in rocky conditions.

## UNDERCARRIAGE

Outstanding stability and durability come from an X-type reinforced frame and the long track beam and crawler system.

## REAR VIEW CAMERA

Like an extra eye outside the machine, the optional rear view camera sends images to the in-cab colour LCD monitor, creating a safer working environment as you concentrate on the work at hand.

## PARTS

Using genuine LiuGong parts is key to keeping your costs low and your machine in top working order. Our extensive support network is always there when you need it, to maximize your business profitability.

## AFTER SALES SERVICE

As a customer of LiuGong you can feel confident that our dealers and regional offices will be there to support you with training, service and maintenance needed throughout the life of your machine.







# EFFICIENCY, PRECISION & VERSATILITY

LiuGong E series excavators deliver the **perfect balance** of performance, precision and quality. The 922E Tier 3/Stage IIIA models are powered by the latest generation, low emission Cummins QSB7 engine, with enhanced power output, **improved breakout force** and faster cycle times.

## A POWERFUL ENGINE

The Cummins engine meets EPA Tier 3/EU Stage IIIA emissions standards, delivering the greatest possible fuel economy without compromising on power.

The QSB7 engine employs a proven cooled-EGR system, complemented by Cummins patented Turbocharger, which precisely adjusts the airflow delivered to the engine increasing performance and improving fuel economy.

## ADVANCED HYDRAULIC SYSTEM

Within the advanced hydraulic system of LiuGong excavators, negative flow of the hydraulics optimizes the main control valve. This helps to maximize the cycle time of the cylinders, leading to improved efficiency and a higher rate of work completed.

The hydraulic system works efficiently in transferring engine power to the ground providing widespread control and precision.

## INTELLIGENT POWER CONTROL

LiuGong's advanced Intelligent Power Control (IPC) system delivers the power you need, only when you need it, ensuring powerful performance, without excess fuel wastage.

The new-generation computer-aided IPC system harnesses the mechanical, electrical and hydraulic systems to work in perfect harmony for efficiency, precision and control. When the working load increases, engine power and hydraulic pump flow respond to meet the demands of the job.

LiuGong's six selectable working modes give you full control of the machine and enhanced performance under various operating conditions:



## AUTOMATED FUNCTIONS

The machines maximize fuel economy by regulating its idle speed. If for just one second there is no hydraulic request signal detected from the joystick, the engine speed is automatically dropped by 100 rpm. If no activity is detected over three seconds the engine speed will decrease to idle. As soon as the system detects the hydraulic signal

once more, the engine will immediately return to the previous throttle speed setting.

The engine's automatic warm-up system brings it up to operating temperature quickly, further improving fuel consumption, reducing emissions, and maximizing uptime.





# DESIGNED TO GET MORE DONE

The machines are designed to **get more done** in less time. Featuring a stronger boom arm and bucket breakout force, greater hydraulic flow, higher swing speeds and improved cycle times, this excavator will **power through any task** in any terrain.

## POWERFUL PERFORMANCE

The Cummins QSB7 engine produces high power output. LiuGong has harnessed this power for the six working modes of the excavator. Perfectly match these work modes to the job at hand and even the least experienced of the operators will find they can work faster and complete more in less time.

## OPTIMIZED HYDRAULICS

Where intelligence meets brute force. Negative flow hydraulics direct the engine's power to ensure hydraulic pump flow continually adjustable for smooth, quick and efficient operation.

Engine power and hydraulic pump flow are automatically reset to adjust for the load attachment, helping to maximize the efficiency of the machine.

## IMPROVED MACHINE DESIGN

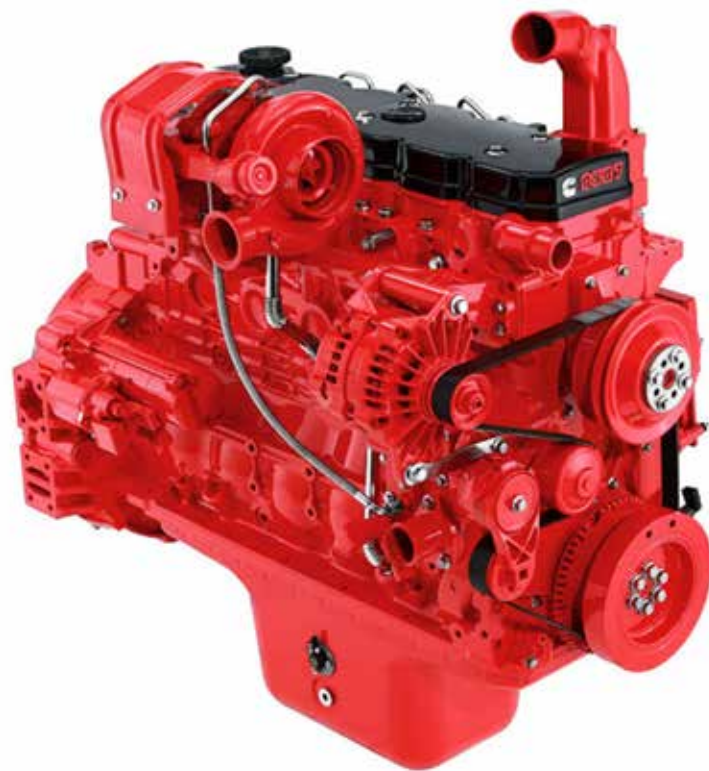
The 922E's tough and reliable structure provides increased strength, reduced wear, and improved transmission of power to the ground drive.

## QUICK-CHANGE ATTACHMENTS

LiuGong quick coupler and Power Latch tilt couple make changing over attachments like buckets, breakers and shears quick and simple which maximize your uptime.

## OPERATOR FRIENDLY ENVIRONMENT

Ergonomically designed controls, clear and informative displays, increased visibility, and exceptional comfort increases operator efficiency and safety. The easily accessible service points ensures important daily servicing and routine maintenance gets done.







# TOUGH AND DURABLE STRUCTURES

The use of thick, high-tensile steel components, internal baffling and stress-relieved plates, make the structures on LiuGong E-series excavators **tough and durable**. We guarantee the **quality and reliability** of our machines throughout the manufacturing process by conducting stringent tests and ultrasound inspections that detect defects well before they make it into production.



## BOOM & ARM

The boom and arm structures are designed with large cross-sectional supports and incorporates one-piece steel castings. This solid engineering guarantees long-term durability and high resistance to bending and torsional stress. Standard rock-guard plates and vertical guards protect the arm in rocky digging conditions and tough environments.

## UPPER STRUCTURE

The upper structure is strongly reinforced by the use of an H-beam in the high cross section of the main structure providing even weight distribution and increasing stability.

The platform's collision protection system has been welded into place to improve its strength, rigidity and overall service life.



## UNDERCARRIAGE

The high-strength undercarriage of the 922E incorporates a welded X-frame construction for long life durability and is designed to perform in the most challenging applications.

A long track beam and crawler system provides greater stability when using attachments for digging and truck loading. The result is outstanding strength and durability.



# SAFETY WITHOUT COMPROMISE

LiuGong's commitment to you includes an equal commitment to your **safety**. E-series excavators are equipped with all the necessary safety features to give you peace of mind and help you **focus** on the job at hand.

## SAFETY STANDARDS

LiuGong offers ROPS (Roll Over Protection System) and FOPS (Falling Object Protection System) as options meeting ISO safety standards on all E-Series excavators.

## EXTENSIVE VISIBILITY

LiuGong's E-Series cabs have seven percent larger glass surface area compared to our D-Series cab. Standard rear view camera gives the operator a panoramic view, combined with optional LED work lights, provides clearer line of sight on job sites.

## SAFE ENTRY

Safety rails and well-positioned anti-slip tape on the upper part of the machine make it easier and safer during machine servicing.





# ALL AROUND COMFORT

In the cab, you are working in complete comfort with outstanding visibility all around. We understand how operators like to work and have designed the cab for **maximum comfort** and ultimate productivity.

## AT HOME IN THE CAB

The E series cab is mounted on dampener silicone to absorb noise and vibration. Wide spacious cab door swings full open to lock position. Front windshield slides up into ceiling, removable lower window, large roof skylight with sun screen.

## ADVANCED CLIMATE CONTROL

Pressurized cab, advanced climate control system and front windshield defrost allow all year around operating comfort in any environment. Air is circulating through cab by ten outlets to improve air circulation.

## ADJUSTABLE SEAT AND JOYSTICK CONSOLE

The adjustable seat and joystick console move independently to accommodate the operator. Increased spacing between the armrest and nine different seat adjustments allow the operator more options to all foot and hand controls for maximum comfort.







# DAILY CHECKS AND MAINTENANCE SHOULDN'T BE TOUGH

LiuGong excavators have been **specifically designed** for easy service and maintenance in even the most remote and harsh environments. If servicing is easy, it gets done.

## PRACTICAL SERVICING

Smart and effective design makes service and maintenance fast and simple – that’s good news for operators who work in some of the toughest places on the planet. Handrails are fitted as standard on the 922E, enabling safe and easy access to the upper structure for easy engine service and maintenance.

## ON BOARD MONITORING

With onboard monitoring, the operator can check the machine’s vital signs without leaving his seat. Using the LCD display, the operator can easily check oil temperatures and pressure levels, receive service interval alerts and access other information that contributes to simple maintenance and servicing of the machine.



## EASILY ACCESSIBLE SERVICE POINTS MAKE DAILY CHECKS FAST AND EFFECTIVE

- Easily visible hydraulic oil level gauge
- Accessible, grouped filters
- Easy to replace A/C filter next to the cab door
- Maintenance free air filter



# WHERE YOU NEED US WHEN YOU NEED US

LiuGong is committed to providing **reliable** and **tough** equipment combined with dependable service to customers **across the global**.



## GLOBAL NETWORK

We offer local support through our extensive dealer network in more than 130 countries. Our dealers and customers are supported by 12 regional subsidiaries and 9 global parts centers, all offering expert training, parts and service support.

## PROFESSIONAL ADVICE

No matter the job, we can help you choose the right machine, with the right specifications, options and attachments for your business. We are committed to ensure maximum uptime and lowest cost of ownership to ensure you get good profitable return from your equipment.

## SERVICE AGREEMENTS

At LiuGong, we offer service agreements to support your business needs and help you take control of all your costs. Talk to us today.





# SPECIFICATIONS

OPERATING WEIGHT	22,000 kg
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Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg .

BUCKET CAPACITY	0.45 - 1.2 m³
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ENGINE
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**Description**

Cummins EPA Tier 3 / EU Stage IIIA, inline 6-cylinder, turbocharged, high pressure common rail, electronically controlled direct injection.

Air cleaner: Cummins direct flow air filter.

Cooling system: Charge-air cooler.

Emission rating	EPA Tier 3 / EU Stage IIIA
Engine manufacturer	Cummins
Engine model	QSB7
Aspiration	Wastegate Turbo (WGT)
Charged air cooling	Aftercooler
Cooling fan drive	Direct
Displacement	6.7 L
Rated speed	2,050 rpm
Engine output - net (SAE J1349 / ISO 9249)	117 kW (157 hp / 159 ps)
Engine output - gross (SAE J1995 / ISO 14396)	124 kW (166 hp / 168.6 ps)
Maximum torque	658 N·m @1,200 rpm
Bore × Stroke	107 × 124 mm

UNDERCARRIAGE
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Track shoe each side	49
Link pitch	190 mm
Shoe width, triple grouser	600/700/800/900 mm
Bottom rollers each side	8
Top rollers each side	2

SWING SYSTEM
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**Description**

Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.

Swing speed	10.5 rpm
Swing torque	78,200 N·m

HYDRAULIC SYSTEM
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**Main pump**

Type	Two variable displacement piston pumps
Maximum flow	2 × 224 L/min

**Pilot pump**

Type	Gear pump
Maximum flow	19 L/min

**Relief valve setting**

Implement	34.3/37.3 MPa
Travel circuit	34.3 MPa
Slew circuit	25.5 MPa
Pilot circuit	3.9 MPa

**Hydraulic cylinders**

Boom Cylinder – Bore × Stroke	Ø120 × 1,335 mm
Arm Cylinder – Bore × Stroke	Ø135 ×1,490 mm
Bucket Cylinder – Bore × Stroke	Ø115 × 1,120 mm

ELECTRIC SYSTEM
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System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.8 kW

SERVICE CAPACITIES
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Fuel tank	420 L
Engine oil	25 L
Final drive (each)	5.5 L
Swing drive	3.4 L
Cooling system	25 L
Hydraulic reservoir	210 L
Hydraulic system total	330 L

SOUND PERFORMANCE
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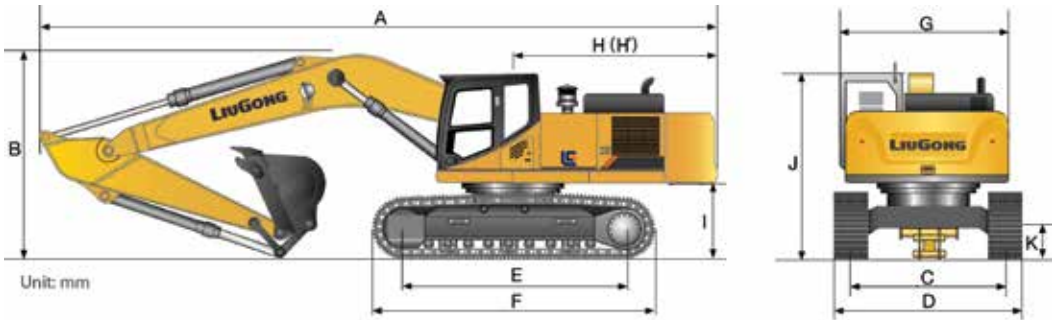
Interior Sound Power Level (ISO 6396)	76 dB(A)
Exterior Sound Power Level (ISO 6395)	102 dB(A)

DRIVE AND BRAKES
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**Description**

2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.

Max. travel speed	High: 5.3 km/h Low: 3.3 km/h
Gradeability	35°/70%
Max. drawbar pull	220 kN



DIMENSIONS
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Boom	5,710 mm
Arm Options	2,915 mm/2,700 mm/2,400 mm
A Shipping Length	9,570 mm/9,565 mm
B Shipping Height – Top of Boom	3,140 mm
C Track Gauge	2,390 mm
D Undercarriage Width – 600 mm Shoes	2,990 mm
700 mm Shoes	3,090 mm
800 mm Shoes	3,190 mm
900 mm Shoes	3,290 mm
E Length to Center of Rollers	3,650 mm
F Track Length	4,440 mm
G Overall Width of Upper Structure	2,760 mm
H Tail swing Radius	2,780 mm
I Counterweight Ground Clearance	1,070 mm
J Overall Height of Cab	3,040 mm
K Min. Ground Clearance	440 mm
L Track Shoe Width	600 mm

BOOM DIMENSIONS
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Boom	5,710 mm
Length	5,915 mm
Height	1,550 mm
Width	621 mm
Weight	1,895 kg

Cylinder, piping and pin included.  
Boom cylinder pin excluded.

ARM DIMENSIONS
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Arm	2,915 mm	2,700 mm	2,400 mm
Length	3,895 mm	3,685 mm	3,400 mm
Height	790 mm	810 mm	760 mm
Width	466 mm	466 mm	355 mm
Weight	1,110 kg	1,073 kg	685 mm

Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE
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Bucket type	Capacity	Cutting width	Weight	Teeth pcs	5.7 m boom		
					2.9 m arm	2.7 m arm	2.4 m arm
Heavy duty	0.9 m³	1,083 mm	786 kg	5	B	B	B
General purpose	0.95 m³	1,268 mm	769 kg	5	B	B	B
Heavy duty	1 m³	1,113 mm	887 kg	5	B	B	B
Wide and shallow bucket	1 m³	1,227 mm	850 kg	5	A	A	A
Super heavy duty	1 m³	1,280 mm	905 kg	5	C	C	C
Heavy duty	1.1 m³	1,330 mm	852 kg	6	B	B	B
Heavy duty	1.2 m³	1,420 mm	915 kg	6	A	A	A

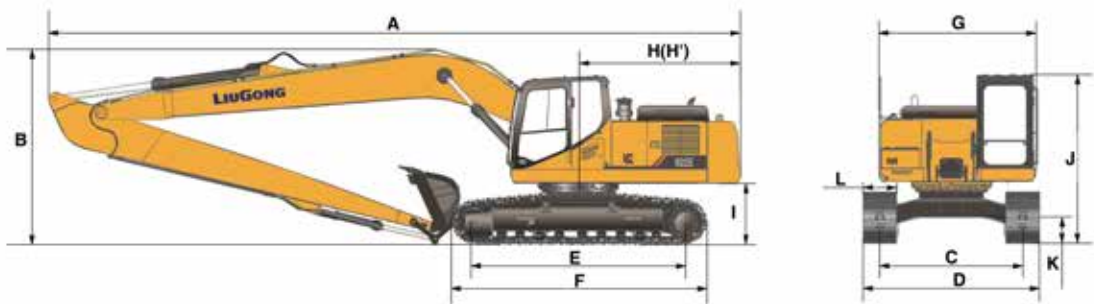
The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:  
A 1,200~1,300 kg/m³ : Coal, Caliche, Shale  
B 1,400~1,600 kg/m³ : Wet earth and clay, limestone, sandstone  
C 1,700~1,800 kg/m³ : Granite, wet sand, well blasted rock  
D 1,900 kg/m³ : Wet mud, Iron ore  
NA. Not applicable

MACHINE WEIGHTS AND GROUND PRESSURE
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Shoe width	Operating weight	Ground pressure	Overall width
	5.7 m boom, 2.915 m arm, 1.0 m³ bucket, 4,000 kg counterweight		
600 mm	22,000 kg	45.2 kPa	2,990 mm
700 mm	22,280 kg	39.3 kPa	3,090 mm
800 mm	22,570 kg	34.8 kPa	3,190 mm
900 mm	22,850 kg	31.3 kPa	3,290 mm





DIMENSIONS		
Boom	8,500 mm	6,680 mm
Arm Options	6,400 mm	4,400 mm
A Shipping Length	12,435 mm	10,525 mm
B Shipping Height – Top of Boom	3,200 mm	2,980 mm
C Track Gauge	2,390 mm	2,390mm
D Undercarriage Width – 800 mm Shoes	3,190 mm	3,190 mm
900 mm Shoes	3,290 mm	3,290 mm
E Length to Center of Rollers	3,650 mm	3,650 mm
F Track Length	4,440 mm	4,440 mm
G Overall Width of Upper Structure	2,760 mm	2,760 mm
H Tail swing Radius	2,750 mm	2,780 mm
I Counterweight Ground Clearance	1,070 mm	1,070 mm
J Overall Height of Cab	3,040 mm	3,040 mm
K Min. Ground Clearance	440 mm	440 mm
L Track Shoe Width	800 mm	800 mm

BOOM DIMENSIONS		
Boom	8,500 mm	6,680 mm
Length	8,690 mm	6,890 mm
Height	1,585 mm	1,480 mm
Width	800 mm	621 mm
Weight	2,660 kg	2,140 kg

Cylinder, piping and pin included.  
Boom cylinder pin excluded.

ARM DIMENSIONS		
Arm	6,400 mm	4,400 mm
Length	7,530 mm	5,366 mm
Height	815 mm	560 mm
Width	470 mm	317 mm
Weight	1,400 kg	1,185 kg

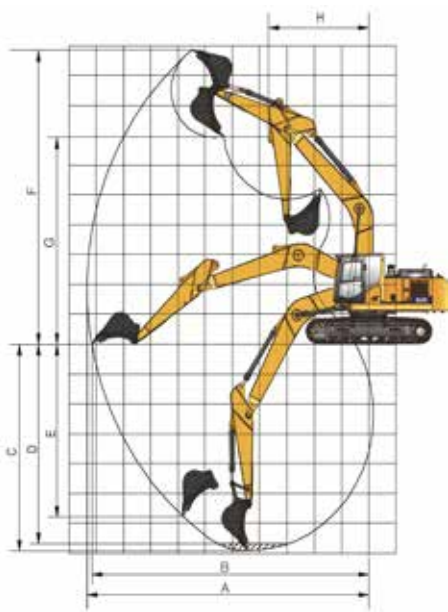
Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE						
Bucket type	Capacity	Cutting width	Weight	Teeth pcs	8.5 m Boom	6.68 m Boom
					6.4 m arm	4.4 m arm
General purpose	0.45 m³	865 mm	373 kg	4	B	B
General purpose	0.65 m³	865 mm	373 kg	4	A	A

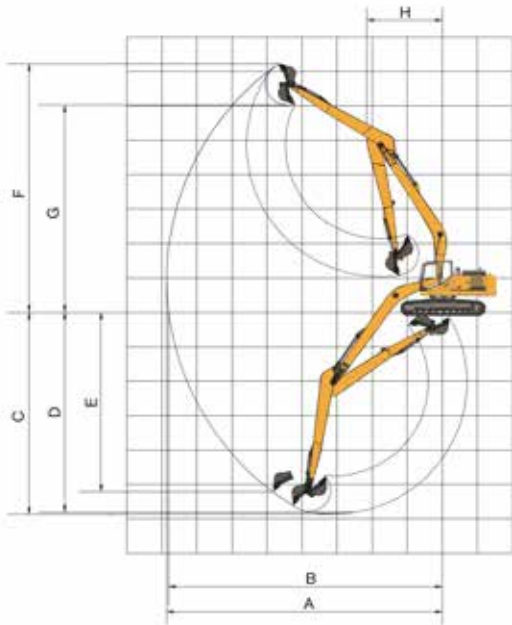
The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:  
A 1,200~1,300 kg/m³ : Coal, Caliche, Shale  
B 1,400~1,600 kg/m³ : Wet earth and clay, limestone, sandstone  
C 1,700~1,800 kg/m³ : Granite, wet sand, well blasted rock  
D 1,900 kg/m³ : Wet mud, Iron ore  
NA. Not applicable

MACHINE WEIGHTS AND GROUND PRESSURE						
Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	8,500 m boom, 6,400 mm arm, 0.45 m³ bucket, 5,000 kg counterweight			6.6 m boom, 4.4 m arm, 0.65 m³ bucket, 5,000 kg counterweight		
800 mm	23,850 kg	36.8 kPa	3,190 mm	23,400 kg	36.5 kPa	3,190 mm
900 mm	24,130 kg	33.1 kPa	3,290 mm	23,680 kg	32.5 kPa	3,290 mm



WORKING RANGE				
Boom	5,710 mm			
Arm Options	2,915 mm	2,700 mm	2,400 mm	
A. Max. Digging Reach	9,870 mm	9,735 mm	9,330 mm	
B. Max. Digging Reach on Ground	9,685 mm	9,550 mm	9,140 mm	
C. Max. Digging Depth	6,562 mm	6,380 mm	6,100 mm	
D. Max. Digging Depth, 2.44 m (8') level	6,390 mm	6,140 mm	5,820 mm	
E. Max. Vertical Wall Digging Depth	5,080 mm	5,040 mm	4,410 mm	
F. Max. Cutting Height	9,945 mm	9,970 mm	9,465 mm	
G. Max. Dumping Height	7,170 mm	7,200 mm	6,830 mm	
H. Min. Front Swing Radius	3,090 mm	3,120 mm	3,090 mm	
Bucket Digging Force (ISO)	Normal	140 kN	140 kN	142 kN
	Power Boost	152 kN	152 kN	152 kN
Arm Digging Force (ISO)	Normal	97 kN	102 kN	116 kN
	Power Boost	105 kN	110.5 kN	125 kN
Bucket Capacity	0.9/1.0 m³	1.0/1.1 m³	1.1m³	
Bucket Tip Radius	1,450 mm	1,450 mm	1,450 mm	



WORKING RANGE			
Boom	8,500 mm	6,680 mm	
Arm Options	6,400 mm	4,400 mm	
A. Max. Digging Reach	15,110 mm	12,050 mm	
B. Max. Digging Reach on Ground	14,985 mm	11,900 mm	
C. Max. Digging Depth	11,910 mm	8,530 mm	
D. Max. Digging Depth, 2.44 m (8') level	11,785 mm	8,440 mm	
E. Max. Vertical Wall Digging Depth	9,065 mm	7,250 mm	
F. Max. Cutting Height	12,780 mm	11,625 mm	
G. Max. Dumping Height	10,535 mm	9,210 mm	
H. Min. Front Swing Radius	4,270 mm	4,270 mm	
Bucket Digging Force (ISO)	Normal	55 kn	55 kn
	Power Boost	/	/
Arm Digging Force (ISO)	Normal	70 kn	75 kn
	Power Boost	/	/
Bucket Capacity	0.45 m³	0.65 m³	
Bucket Tip Radius	1,250 mm	1,250 mm	





Lifting capacity at the arm end without bucket.  
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.  
Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. \*Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (METRIC)

922E with 600 mm shoes, 2,915 mm arm

Conditions  
Boom length: 5,710 mm  
Arm length: 2,915 mm  
Bucket: None  
Counterweight: 4,000 kg  
Shoes: 600 mm triple grouser  
Unit: kg

A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7							*5,340	*5,340					*5,050	*5,050	6.6
6							*5,420	*5,420	*5,510	4,650			*5,360	4,460	7.2
5					*6,070	*6,070	*5,780	5,780	*5650	4,610			*4,670	3,920	7.8
4			*8,140	*8,140	*7,010	*7,010	*6,360	5,650	*5,960	4,550	*5,670	3,740	*5,670	3,740	8.0
3			*10,100	9,680	*8,100	7,070	*7,030	5,510	*6,380	4,460	*5,710	3,700	5,510	3,560	8.2
2			*11,880	9,220	*9,180	6,820	*7,710	5,340	*6,820	4,360	5,650	3,640	*5,150	3,400	8.4
1			*13,090	8,940	*10,060	6,630	*8,310	5,210	6,760	4,280	5,610	3,580	5,420	3,480	8.2
0	*8,210	*8,210	*13,670	8,810	*10,640	6,500	8,340	5,130	6,690	4,210	5,570	3,540	5,380	3,450	8.2
- 1	*11,670	*11,670	*13,770	8,760	*10,890	6,420	8,270	5,070	6,650	4,170			5,750	3,660	7.8
- 2	*15,750	13,820	*13,510	8,770	*10,820	6,420	8,270	5,050	6,650	4,170			6,170	3,910	7.4
- 3	*16,400	13,970	*12,840	8,850	*10,390	6,460	8,310	5,090					*5,150	4,380	7.0
- 4	*14,670	14,180	*11,630	8,980	*9,420	6,570							*7,900	5,420	5.8

922E with 600 mm shoes, 2,700 mm arm

Conditions  
Boom length: 5,710 mm  
Arm length: 2,700 mm  
Bucket: None  
Counterweight: 4,000 kg  
Shoes: 600 mm triple grouser  
Unit: kg

A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7							*5,610	*5,610					*5,110	*5,110	6.4
6					*5,690	*5,690	*5,650	*5,650	*5,630	4,610			*5,630	4,610	7.0
5					*6,340	*6,340	*6,010	5,760	*5,860	4,590			*4,920	4,050	7.6
4			*8,610	*8,610	*7,300	7,300	*6,570	5,630	*6,150	4,530	*4,420	3,720	*4,420	3,720	8.0
3			*10,600	9,630	*8,400	7,050	*7,230	5,500	*6,550	4,440	5,710	3,690	*4,550	3,550	8.2
2			*12,320	9,220	*9,460	6,820	*7,900	5,360	6,860	4,360	5,650	3,640	5,460	3,510	8.2
1			*13,400	8,980	*10,280	6,650	8,460	5,230	6,760	4,280	5,610	3,590	*5400	3,480	8.2
0			*13,850	8,890	*10,800	6,530	8,360	5,150	6,710	4,230	5,570	3,560	5,570	3,560	8.0
-1	*11,720	*11,720	*13,850	8,850	10,970	6,480	8,310	5,110	6,670	4,190			5,960	3,790	7.6
-2	*16,370	14,020	*13,470	8,890	*10,850	6,480	8,310	5,110	6,690	4,210			6,440	4,070	7.2
-3	*16,090	14,170	*12,710	8,970	10,310*	6,530	8,360	5,150					7,320	4,590	6.6
-4	*14,190	*14190	*11,320	9,100	*9,150	6,650							*7,940	5,750	5.6

LIFTING CAPACITY (METRIC)

922E with 800 mm shoes, 2,915 mm arm

Conditions  
Boom length: 5,710 mm  
Arm length: 2,915 mm  
Bucket: None  
Counterweight: 4,000 kg  
Shoes: 800 mm triple grouser  
Unit: kg

A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7							*5,340	*5,340					*5,050	*5,050	6.6
6							*5,420	*5,420	*5,510	4,820			*5,360	4,460	7.2
5					*6,070	*6,070	*5,780	*5,780	*5,650	4,780			*4,670	3,920	7.8
4			*8,140	*8,140	*7,010	*7,010	*6,360	5,840	*5,960	4,690	*5,670	3,860	*5,670	3,740	8.0
3			*10,100	10,000	*8,100	7,300	*7,030	5,690	*6,380	4,610	5,900	3,820	5,510	3,560	8.2
2			*11,880	9,550	*9,180	7,050	*7,710	5,530	*6,820	4,510	5,840	3,760	*5150	3,400	8.4
1			*13,090	9,270	*10,060	6,860	*8,310	5,400	6,980	4,420	5,800	3,720	5,420	3,480	8.2
0	*8,210	*8,210	*13,670	9,130	*10,640	6,730	8,610	5,300	6,920	4,360	5,760	3,690	5,380	3,450	8.2
-1	*11,670	*11,670	*13,770	9,070	*10,890	6,670	8,560	5,260	6,880	4,320			5,750	3,660	7.8
-2	*15,750	14,320	*13,510	9,100	*10,820	6,650	8,550	5,250	6,880	4,320			6,170	3,910	7.4
-3	*16,400	14,470	*12,840	9,180	*10,390	6,710	8,590	5,280					85,150	4,380	7.0
-4	*14,670	14,670*	*11,630	9,310	*9,420	6,800							*7,900	5,420	5.8

922E with 800 mm shoes, 2,700 mm arm

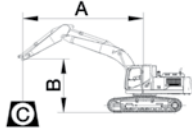
Conditions  
Boom length: 5,710 mm  
Arm length: 2,700 mm  
Bucket: None  
Counterweight: 4,000 kg  
Shoes: 800 mm triple grouser  
Unit: kg

A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7							*5,610	*5,610					*5,110	*5,110	6.4
6					*5,690	*5,690	*5,650	*5,650	*5,630	4,780			*5,630	4,610	7.0
5					*6,340	*6,340	*6,010	5,940	*5,860	4,750			*4,920	4,050	7.6
4			*8,610	*8,610	*7,300	*7,300	*6,570	5,820	*6,150	4,690	*4420	3,840	*4,420	3,720	8.0
3			*10,600	9,940	*8,400	7,280	*7,230	5,670	*6,550	4,590	5,900	3,810	*4,550	3,550	8.2
2			12,320*	9,550	*9,460	7,050	*7,900	5,530	*6,960	4,510	5,840	3,760	5,460	3,510	8.2
1			*13,400	9,310	*10,280	6,880	*8,470	5,420	7,000	4,440	5,800	3,730	*5,400	3,480	8.2
0			*13,850	9,210	*10,800	6,780	8,640	5,340	6,940	4,380	5,760	3,700	5,570	3,560	8.0
-1	*11,720	*11,720	*13,850	9,180	*10,980	6,730	8,600	5,300	6,900	4,360			5,960	3,790	7.6
-2	*16,370	14,520	*13,470	9,210	*10,850	6,730	8,600	5,300	6,920	4,360			6,440	4,070	7.2
-3	*16,090	14,650	*12,710	9,280	*10,310	6,780	*8480	5,340					7,320	4,590	6.6
-4	*14,190	*14,190	*11,320	9,430	*9,150	6,880							*7940	5,750	5.6



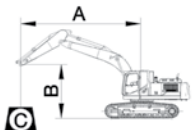


LIFTING CAPACITY (METRIC)

922E with 800 mm shoes, 2,915 mm arm								Conditions							
A: Load radius B: Load point height C: Lifting capacity Cf: Rating over front Cs: Rating over side								Boom length: 5,710 mm Arm length: 2,915 mm Bucket: None Counterweight: 4,000 kg Shoes: 800 mm triple grouser Unit: kg							
															

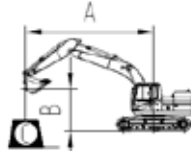
A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7							*5,340	*5,340					*5,050	*5,050	6.6
6							*5,420	*5,420	*5,510	4,820			*5,360	4,460	7.2
5					*6,070	*6,070	*5,780	*5,780	*5,650	4,780			*4,670	3,920	7.8
4			*8,140	*8,140	*7,010	*7,010	*6,360	5,840	*5,960	4,690	*5,670	3,860	*5,670	3,740	8.0
3			*10,100	10,000	*8,100	7,300	*7,030	5,690	*6,380	4,610	5,900	3,820	5,510	3,560	8.2
2			*11,880	9,550	*9,180	7,050	*7,710	5,530	*6,820	4,510	5,840	3,760	*5150	3,400	8.4
1			*13,090	9,270	*10,060	6,860	*8,310	5,400	6,980	4,420	5,800	3,720	5,420	3,480	8.2
0	*8,210	*8,210	*13,670	9,130	*10,640	6,730	8,610	5,300	6,920	4,360	5,760	3,690	5,380	3,450	8.2
-1	*11,670	*11,670	*13,770	9,070	*10,890	6,670	8,560	5,260	6,880	4,320			5,750	3,660	7.8
-2	*15,750	14,320	*13,510	9,100	*10,820	6,650	8,550	5,250	6,880	4,320			6,170	3,910	7.4
-3	*16,400	14,470	*12,840	9,180	*10,390	6,710	8,590	5,280					85,150	4,380	7.0
-4	*14,670	14,670*	*11,630	9,310	*9,420	6,800							*7,900	5,420	5.8

LIFTING CAPACITY (METRIC)

922E with 800 mm shoes, 4,400 mm arm								Conditions							
A: Reach from swing center B: Bucket hook height C: Lifting capacity Cf: Rating over front Cs: Rating over side								Boom length: , 6680 mm Arm length: 4400 mm Bucket: None Counterweight: 5,000 kg Shoes: 800 mm triple grouser Unit: kg							
															

A (Unit: m)															
B (m)	3		4		5		6		7		8		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
9							*3,210	*3,210					*1,990	*1,990	8.1
7.5							*3,750	*3,750	*2,480	*2,480			*1,930	*1,930	9.2
6							*3,980	*3,980	3,200	*3,850			*1,790	*1,790	10.0
4.5					*4,780	*4,780	4,120	*4,460	3,130	*4280	*1,780	*1,780	*1,780	*1,780	10.5
3			*7,530	*7,530	5,390	*5,900	3,950	*5,090	3,040	4,370	2,410	*2,790	*2,100	*2,100	10.7
1.5			7,420	*9,690	5,070	*7,060	3,760	5,500	2,940	4,260	2,360	*3,160	*2,000	*2,000	10.8
0	*5,430	*5,430	6,870	*11,130	4,820	7,290	3,620	5,340	2,850	4,170	2,320	*2,800	*2,290	*2,340	10.6
-1.5	*7,260	*7,260	6,860	11,020	4,690	7,140	3,530	5,240	2,800	4,110			*2400	*2,700	10.2
-3	*9,670	*9,670	6,970	11,010	4,650	7,090	3,500	5,210	2,800	4,110			2,600	*2,930	9.6
-4.5	*12,780	*12,780	7,180	11,140	4,700	7,150	3,540	5,260					2,980	3,380	8.7
-6	13,560	13,760	*6,900	*9,820	4,850	7,320							3,820	5,240	7.3

LIFTING CAPACITY (METRIC)

922E with 600 mm shoes, 2,400 mm arm								Conditions							
A: Load radius B: Load point height C: Lifting capacity Cf: Rating over front Cs: Rating over side								Boom length: 5,710 mm Arm length: 2,400 mm Bucket: ISO 10 m³, 780 kg Counterweight: 4,300 kg Shoes: 600 mm triple grouser Unit: kg							
															

A (Unit: m)															
B (m)	2		3		4		5		6		7		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6									*4,810	*4,810	*3,240	*3,240	*3,240	*3,240	7.0
5							*5,470	*5,470	*5,160	*5,160	*5,010	4,150	*3,310	*3,310	7.5
4			*10,090	*10,090	*7,600	*7,600	*6,390	*6,390	*5,710	5,200	*5,310	4,060	*3,710	3,380	7.8
3			*10,440	*10,440	*9,520	9,220	*7,470	6,610	*6,370	5,020	*5,710	3,960	*3,970	3,180	8.0
2					*11,260	8,720	*8,530	6,320	*7,040	4,850	*6,140	3,850	*4,100	3,060	8.1
1					*12,410	8,420	*9,380	6,110	*7,630	4,700	6,320	3,760	*4,100	3,010	8.1
0			*8,540	*8,540	*12,950	8,270	*9,930	5,970	7,910	4,600	6,250	3,690	*4,900	3,090	7.9
-1	*8,320	*8,320	*11,660	*11,660	*13,030	8,240	*10,170	5,910	7,850	4,550	6,210	3,650	5,500	3,250	7.6
-2	*11,500	*11,500	*15,200	13,380	*12,730	8,280	*10,080	5,910	*7,820	4,550	6,220	3,660	6,090	3,590	7.1
-3	*14,880	*14,880	*15,510	13,550	*12,030	8,370	*9,620	5,920		4,600			7,010	4,120	6.5
-4	*13,450	*13,450	*13,720	*13,720	*10,760	8,550	*8,590	6,110					*7,440	5,200	5.6





# STANDARD EQUIPMENT

**ENGINE SYSTEM**

- Cummins diesel engine, turbocharged, inline 6-cylinder, 4-stroke, water cooled
- Auto-idle speed control
- Air filter with pre-cleaner
- Engine oil filter
- Pre-filter with water separator
- Radiator, oil cooler and intercooler
- IPC (Intelligent Power Control) System
- Engine overheating prevention system

**DRIVETRAIN**

- Hydraulic motor, one-piece two-gear piston and reducer
- 2-speed travel system with automatic shift

**SWING SYSTEM**

- High-torque piston swing motor with integral spring set and automatic hydraulic release swing brake

**HYDRAULIC SYSTEM**

- Main pump: two variable displacement piston pumps, ready for PTO
- Pilot pump: gear
- Cylinders: boom, arm, bucket
- Power boost function
- Boom and arm regeneration circuits
- Pilot oil filter
- Load holding valve
- Pilot control shut-off lever
- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split (2 mounted on boom cylinders, 1 on arm cylinder)
- 6-working mode selection system: Power, Economy, Fine, Lifting, Breaker, Attachment

**DIGGING EQUIPMENT**

- 5,710 mm boom
- 2,915 mm arm
- 1 m³ (SAE, heaped) bucket
- Counterweight, 4,000 kg

**OPERATOR STATION**

- Pressurized and sealed cab with all-around visibility, large roof window with slide sliding sun visor, front window wiper and removable lower window
- Air conditioner, heater, defroster
- Mechanical suspension seat
- AM/FM radio
- Glass-breaking hammer
- Cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Fire extinguisher
- One key for all locks

**INSTRUMENTATION**

- Color LCD monitor with alarms, filter/fluid change, fuel rate, water temperature, work mode, fault code, working hour, etc.
- Fuel gauge
- Hydraulic oil level gauge

**ELECTRICAL**

- Alternator 70 A
- Dual batteries 2 x 12 V
- Working lights, 1 frame mounted, 2 boom mounted
- Rotating beacon
- Starting, 24 V

**UNDERCARRIAGE**

- 600 mm (24”) track-shoes with triple grousers
- 2 piece track-guards (each side)
- Towing eye on base frame

**GUARDS**

- Belly guards
- Cover plate under travel frame
- Track shields

**OTHER STANDARD EQUIPMENT**

- Maintenance tool kit
- Maintenance parts package

# OPTIONS TO ENHANCE YOUR PRODUCTIVITY



ADDITIONAL LED LIGHTS



REAR VIEW CAMERA



ROPS & FOPS

# OPTIONAL EQUIPMENT

**ENGINE SYSTEM**

- Electrical fuel refilling pump

**HYDRAULIC SYSTEM**

- Hydraulic attachments rotation lines
- Over loading warning
- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split.
- Dual way auxiliary lines
- Quick coupler lines (low and high pressure)

**OPERATOR STATION**

- Operation protection guard (included cab front and top guard, bar)
- Operation protection screen (on cab front, net)
- Operation protection screen (front-lower)
- Roll-Over Protective System (ROPS)
- Rain visor
- Mechanic heated suspension seat
- Air suspension seat

**ELECTRICAL**

- LED working lights on cab, 4 front and 2 rear
- Rear view camera
- Travel alarm
- Rotating beacon

**UPPER STRUCTURE**

- 8 mm thickness platform bottom plate
- Bucket cylinder guard
- Counterweight, 5,000 kg

**UNDERCARRIAGE**

- 700 mm, 800 mm, 900 mm track-shoes with triple grousers
- 3 piece track-guards (each side)

**DIGGING EQUIPMENT**

- Boom: 8,500 mm boom
- Arm: 2,700 mm, 6,400 mm arm
- Bucket: 0.45/0.9/0.95/1.0/1.1/1.2 m³
- Hydraulic hammers (LiuGong & Soosan)
- Hydraulic quick coupler
- Quartered grapple



ATTACHMENT PIPING



HYDRAULIC HAMMER



LONG REACH ARM





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