	950E
Engine	Cummins QSM11
Net Power	260 kW (349 hp)
Operating Weight	46,500 kg
Bucket Capacity	1.4 - 3.2 m^3

950E
EXCAVATOR

LiuGong

TOUGH WORLD. TOUGH EQUIPMENT.

TOUGH WORLD. TOUGH EQUIPMENT.

You don’t need to be told it’s a tough world. It’s your reality, you live it every day and you know how hard it can be on your people and your machines. It’s getting tougher to make your business pay too, with rising costs, increasing legislation and greater competition. We understand and we’ve put that understanding into action with our new 950E.

950E. NO TOUGH COMPROMISES, JUST EVERYTHING YOU NEED AND NOTHING YOU DON’T

The construction equipment industry has seen an expensive trend towards over-engineered products. Some manufacturers genuinely believe that adding cost, adds perceived value in customers’ eyes.

BUT YOU TOLD US A DIFFERENT STORY

You asked for a tough, well-engineered excavator, which can do the job. Any job.

YOU WANTED A LARGE-SIZED EXCAVATOR THAT DELIVERS ON 3 ESSENTIAL NEEDS;

1 **FIT FOR PURPOSE**

2 **UPTIME AND SUPPORT**

3 **TOTAL COST OF OWNERSHIP**

With the 950E, we’ve met your challenge and given you everything you want – without compromise.

TOUGH FACTS

TOUGH QUALITY STANDARDS

When it comes to quality, we let our actions to speak for themselves.

We are following a rigorous Six Sigma methodology and consistently achieve ISO 9001 standards.

TOUGH RESEARCH AND TESTING

Finding tougher, smarter, safer and more cost-effective ways of working matters to you. It matters to us too. Our new Global Research & Development Centre in Liuzhou China, is a great example of this customer focused approach. We’ve established an international team of industry experts, backed up with the latest world-class technology, all focused on delivering greater value to you.

TOUGH PARTNERS

LiuGong has teamed up with some of the industry’s best known names. Here’s just a few of our valued joint venture partners;

- German drivetrain components manufacturer ZF Friedrichshafen AG
- Finnish mining and aggregates processing equipment manufacturer Metso
- North American diesel engine manufacturer Cummins

FIT FOR PURPOSE

Firstly, you need to know that your machine is up to the job; breaking, digging, lifting, working hard – anytime – anywhere. Excavators have got to be tough and they've got to perform.

OUR NEW 950E HIGH PERFORMANCE FROM THE GROUND UP

1 TOUGHER UNDERCARRIAGE

With X-shaped frame built from high strength tensile steel, the 950E's undercarriage is designed to withstand the toughest conditions. Continuous digging, lifting and loading can put excessive stress on machines. The 950E has a long track beam and crawler system that guarantees greater stability. The structure also helps protect key components such as the travel motor from undue stress.

2 TOUGHER COMPONENTS

The undercarriage components are tougher too. Heavy duty rollers, reinforced idler frame and optional full track guard guarantee the integrity of our undercarriage. It's this core strength that enables our customers to keep working and earning – around the clock.

3 TOUGHER UPPER STRUCTURE

The upper structure of the 950E is built around a reinforced and well-engineered H-beam, allowing the boom to be mounted exactly in the center of the machine. This central positioning helps the boom cope with more stress on the attachment group. It also means better distribution of weight and tension along the entire machine.

4 SAFER CAB

Our cabs are designed to protect your most important asset. Your operator. ROPS (Roll Over Protection System) and FOPS (Falling Object Protection System) safeguard your most important asset: your operator in the toughest environment. Visibility is key to protecting your operator and workers on site. The large glass surface area, spacious cab, combined with the rear-view camera, provides an extraordinary view of the 950E's surroundings.

5 TOUGHER BOOM AND ARM

The 950E features a tougher, reinforced heavy duty boom and arm built from high-strength tensile steel, with castings and forgings in high stress areas for heavy-duty performance and maximum uptime. We also use over-sized pins to allow the 950E, not just to work harder, but to work harder for longer. Our confidence in our machines is underlined by one of the most comprehensive warranties in the industry.

6 SIMPLY MULTIFUNCTIONAL

Switching attachments like buckets, breakers and shears can be time consuming and hazardous. We've made it fast, safe and simple with LiuGong's quick coupler and powerlatch tilt coupler. These are perfectly matched to a range of genuine LiuGong attachments including; buckets and breakers which can be changed from the seat of the cab in less than a minute, quick, safe and easy.

7 SIMPLER TO DO THE JOB RIGHT

Six selectable work modes equip even the newest operator with the skills of an expert, allowing them to perfectly match machine performance with the job, whatever that job may be.

Power | Economy | Fine | Lifting | Breaker | Attachment

8 FAST CYCLE TIMES

High hydraulic flow and swing speeds combine to ensure fast cycle times on tasks such as truck loading, digging, trenching and backfilling.

JOBSITE FACT: ANYTIME

6000 hours registered and still working hard.
Tapegyseg Co. Hungary

"We use our LiuGong excavator for breaking down large stone and concrete sections. In two years we have not had a problem and our machines are working 10-11 hours a day, six days a week."

JOBSITE FACT: ANYWHERE!

-49°C
Temperatures drop but the work rate stays high.

LiuGong Excavators played a key part in supporting China's Polar Exploration team. Extreme temperatures, high altitudes, strong winds and intense ultraviolet light made the Antarctic an extremely tough test environment.

TOUGH JUDGES

Operators are tough judges. They know what they like and what they don't. We've talked, we've listened and we've delivered a no-nonsense excavator that will do everything the operator wants and needs it to do. Job done? Judge for yourself.

TOUGH EQUIPMENT
40,000 Excavators currently in the field.
Over **1/2 BILLION** productive hours worked.

POWER TO GET THE TOUGHEST JOBS DONE RIGHT

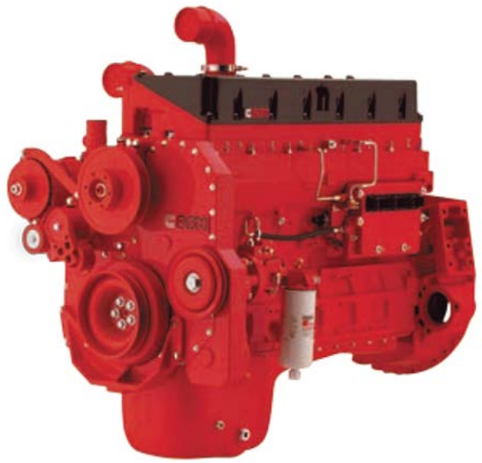
Fit for purpose is about giving your operators efficient and intelligent power when they need it, with control and precision. That's what we do.

POWER WITHOUT COMPROMISE.

The 950E is powered by the latest Cummins QSM11 engine with a rated net power of 260 kW (349 hp) @ 2,100 rpm in compliance with EU Stage IIIA emission standards.

The compact QSM11 delivers unmatched and dependable power in its class yet it produces virtually zero emissions.

The engine utilizes a precise fuel injection system, turbo charger and air-to-air intercooler along with electronic engine controls to optimize machine performance. It's powerful. It's responsive. It tackles the toughest jobs without being thirsty for fuel, but above all, it's a joy to operate.



INTELLIGENT POWER CONTROL

The 950E's advanced Intelligent Power Control (IPC) system intelligently delivers the power you need – when you need it.

This new generation computer-aided IPC system allows the 950E's mechanical, electrical and hydraulic systems to work together in perfect harmony and helps even novice operators get more from the machine. An improved pump system delivers efficient oil output under lower engine speeds, resulting in fuel efficiency and reduced noise levels.

ADVANCED HYDRAULIC SYSTEM

LiuGong's advanced hydraulic system, regenerates oil in the cylinders more efficiently reducing heat, increasing fuel efficiency and improving cycle times.

The hydraulic system is highly effective in delivering power and precise control to where the operator really needs it, making even the toughest job simple.

SMART FUEL ECONOMY

The intelligent combination of powerful digging force, swing torque and lifting performance make the most of every drop of fuel. The 950E maximizes fuel economy by intelligently regulating its idle speed by the second.

01 **1 second:** If no hydraulic request signal detected from the joystick, the engine speed is automatically dropped by 100 RPM.

03 **3 seconds:** If no activity is detected over three seconds the engine speed will decrease to idle.

In each case, as soon as the system detects the hydraulic signal once more, the engine will immediately return to the previous throttle speed setting.

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, 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

DESIGNED TO MAKE TOUGH WORK EASY ON THE OPERATOR

Climb into the cab of the 950E and you can see that it has been designed by someone who has operated a machine in really tough conditions.

For a start, it's safe and easy to get in and out of.

Trips and slips account for the majority of accidents onsite. Well-placed door handles, safety rails and anti-slip tape on the upper part of the machine make it easier and safer for operators to enter and exit the cab in all weathers and conditions.

Inside, the cab is secure and protected with space to work and excellent 360 degree views of the site.

The controls are where the operator needs them to be. They are easy to see, easy to reach and easy to handle.

The multi-adjustable air-suspension seats are comfortable and designed to keep the operator fresh and alert.

The cab is sound proofed, vibration protected and well ventilated. It has advanced climate control to handle the changing seasons and is completely sealed to prevent dust contamination.

WE PUT OPERATORS FIRST

It makes good business sense to give operators the very best working environment – a comfortable operator is a productive operator. The 950E keeps operators safer, more alert and more productive.

Smart additions such as; rear view camera, heated seats, refrigerator or personal belonging compartment and an iPod/AUX connection combine to create the best environment– for the best operators.

ADVANCED CLIMATE CONTROL

An advanced climate control system creates the right environment in any weather.

LARGE LCD MONITOR

The easy-to-read, full-color LCD monitor displays all the critical information your operator needs, including working mode, hydraulic oil temperature, hydraulic pressure and service intervals.

JOBSITE UPTIME AND SUPPORT

Fit for purpose might convince you to buy your first machine, but it's uptime and support and total cost of ownership which will keep you coming back to buy more machines. Having confidence in the machine's back up and support network is a vital part of the purchasing decision. How do we at LiuGong measure up?

FAST RESPONDING GLOBAL NETWORK

We have an extensive dealer network in more than 130 countries.

All supported by 12 regional subsidiaries and 9 global parts centers offering expert training, parts and service support.

WE ARE LIUGONG. WORKING HARD TO KEEP OUR GLOBAL CUSTOMERS EARNING

- 8,000 Employees
- 20 Factories
- 12 Overseas Offices
- 1,000 R&D Engineers
- 130+ Countries
- 5 R&D Centers
- 9 Regional parts depots
- Nearly 60 Years' Experience

WHERE YOU NEED US WHEN YOU NEED US

Reliability is built into our machines but all machines have some planned downtime. Our aim is to reduce even planned down time to the minimum by getting it right.

Technician training and parts availability are also high on our agenda, as is keeping you informed on service and maintenance work and providing clear and accurate estimates, invoices and communication.

These may be small things, but customer feedback tells us that these basics really matter – so we aim to get them right.

MAINTENANCE AND SUPPORT PACKAGES

From genuine LiuGong parts, to full repair and maintenance contracts, LiuGong has the flexibility to offer the level of support and response to suit your business and applications. Whatever level of support you choose you can be confident that it is backed up by LiuGong's service promise.

Right parts.
Right price.
Right service.

Above all, we get it right the first time.

1st

LIUGONG SERVICE PROMISE

- Highly trained technicians utilizing the latest diagnostic equipment
- 15,000+ Genuine LiuGong parts available within 24hrs from our European Parts Distribution Center
- Multi-lingual Service helpline and online support
- Transparent estimates and invoicing
- Clear communications through electronic parts catalogue

TOTAL COST OF OWNERSHIP

Fit for purpose and uptime and support are two key excavator purchasing criteria but ultimately, the machines earning potential, its overall life cost and its trade-in value really matter too.

When it comes to total cost of ownership LiuGong has a strong story to tell.

PROFESSIONAL ADVICE

We are committed to reducing your total cost of ownership and increasing your profits. As part of this, LiuGong's experts will provide targeted advice on everything, from choosing the right machine for your needs to maximizing its efficiency on site.

MACHINE AVAILABILITY

Our machines deliver everything you need and nothing you don't. They are expertly engineered NOT over engineered. As a result of having an extensive manufacturing operation right in the heart of Europe, we can offer significantly shorter lead times on a range of models, compared with some manufacturers. In fact, we can deliver selected machines in as little as 4 weeks.

The faster you can get a machine – the faster you can get working and earning.

Our aim is to get you on to the jobsite fast.

TICKET PRICE

At LiuGong, our aim is to provide you with real, measurable value by giving you everything you need and nothing you don't. For example, we choose high quality, proven components such as Cummins engines and Kawasaki hydraulic pumps. These proven components, combined with LiuGong design and manufacturing quality, result in a high quality, competitive machine that is totally fit for purpose.

RESIDUAL VALUE

With the combination of LiuGong design and manufacturing excellence, world class components and comprehensive uptime support, our quality holds its value.

IT ALL ADDS UP

With the 950E we've risen to the challenge and given you everything you need and nothing you don't.

It's an excavator which can handle any job, anywhere, backed up by LiuGong's service promise and designed to perform on the jobsite and on the balance sheet. Add up the benefits and you'll see that 950E represents the formula for success.

FIT FOR PURPOSE

+

UPTIME AND SUPPORT

+

TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION

SPECIFICATIONS

OPERATING WEIGHT	46,500 kg

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

BUCKET CAPACITY	1.4 - 3.2 m³

ENGINE

Description

Cummins EPA Tier 3 / EU Stage IIIA, inline 6-cylinder, turbocharger, electronically controlled direct injection.
Air cleaner: Cummins direct flow air filter.
Cooling system: Charge air cooler

Emission rating	Tier 3 / Stage IIIA
Engine manufacturer	Cummins
Engine model	QSM 11
Aspiration	Turbocharged
Charged air cooling	Aftercooler
Cooling fan drive	Hydraulic
Displacement	10.8 L
Rated speed	2,100 rpm
Engine output - net (SAE J1349 / ISO 9249)	260 kW (349 hp)
Engine output - gross (SAE J1995 / ISO 14396)	280 kW (375 hp)
Maximum torque	1,898 N·m@1,400rpm
Bore × Stroke	125 × 147 mm

UNDERCARRIAGE

Track shoe each side	51
Link pitch	216 mm
Shoe width, triple grouser	600/700/800/900 mm
Bottom rollers each side	9
Top rollers each side	2

SWING SYSTEM

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	8.5 rpm
Swing torque	165,300 N·m

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Maximum flow	2 × 380 L/min
Pilot pump	
Type	Gear pump
Maximum flow	28.5 L/min
Relief valve setting	
Implement	32.3/35 MPa
Travel circuit	32.3 MPa
Slew circuit	28 MPa
Pilot circuit	3.9 MPa
Hydraulic cylinders	
Boom Cylinder – Bore × Stroke	Φ165 × 1,560 mm
Stick Cylinder – Bore × Stroke	Φ190 × 1,980 mm
Bucket Cylinder – Bore × Stroke	Φ170 × 1,260 mm

ELECTRIC SYSTEM

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

SERVICE CAPACITIES

Fuel tank	650 L
Engine oil	37.8 L
Final drive (each)	15 L
Swing drive	2 x 5.3 L
Cooling system	50 L
Hydraulic reservoir	290 L
Hydraulic system total	520 L

SOUND PERFORMANCE

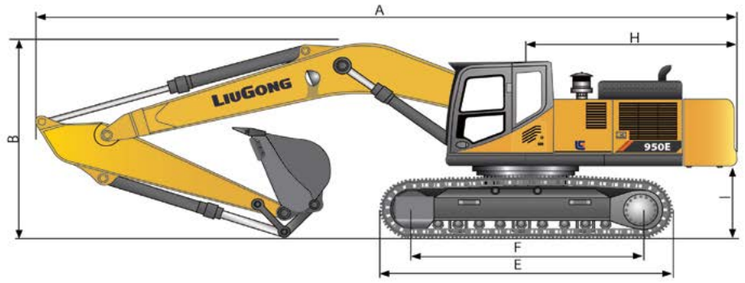
Interior Sound Power Level (ISO 6396)	77 dB(A)
Exterior Sound Power Level (ISO 6395)	105 dB(A)

DRIVE AND BRAKES

Description

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

Max. travel speed	High: 5.5 km/h Low: 3.3 km/h
Gradeability	35°/70%
Max. drawbar pull	386 kN



DIMENSIONS

Boom	6,500 mm	7,060 mm		9,200 mm
Arm Options	2,550 mm	2,900 mm	3,380 mm	3,800 mm
A Shipping Length	11,515 mm	12,030 mm	12,062 mm	13,980 mm
B Shipping Height – Top of Boom	3,810 mm	3,810 mm	3,690 mm	4,020 mm
C Track Gauge		2,740 mm		2,740 mm
D Undercarriage Width – 600 mm shoes		3,340 mm		3,340 mm
700 mm shoes		3,440 mm		3,440 mm
800 mm shoes		3,540 mm		3,540 mm
900 mm shoes		3,640 mm		3,640 mm
E Length to Center of Rollers		4,257 mm		4,280 mm
F Track Length		5,256 mm		5,440 mm
G Overall Width of Upper Structure		3,170 mm (including protective side beam)		3,180 mm
H Tail Swing Radius		3,640 mm		3,640 mm
I Counterweight Ground Clearance		1,324 mm		1,368 mm
J Overall Height of Cab		3,550 mm (with protective equipment)		3,350 mm
K Min. Ground Clearance		532 mm		616 mm
L Track Shoe Width		600 mm		600 mm

BOOM DIMENSIONS

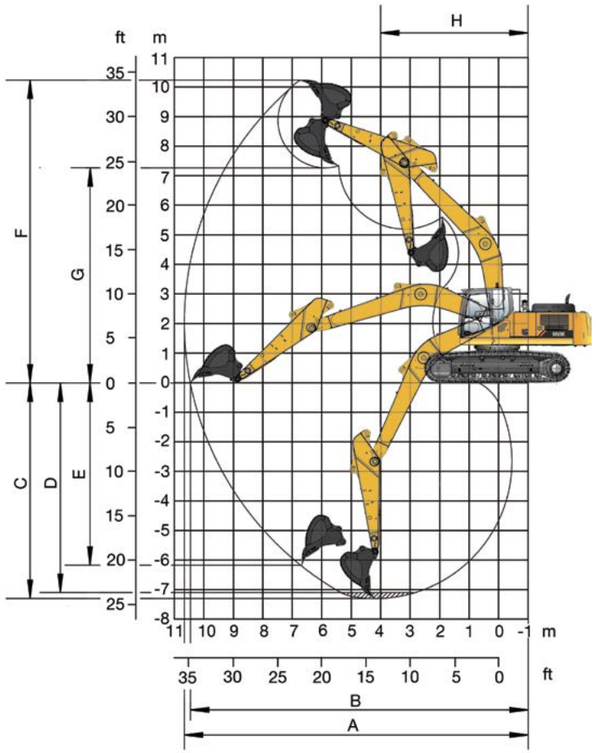
Description	Standard	Option	Option
Boom	6,500 mm	7,060 mm	9,200 mm
Length	6,800 mm	7,350 mm	9,450 mm
Height	1,910 mm	1,850 mm	1,700 mm
Width	1,057 mm	1,057 mm	1,057 mm
Weight	4,150 kg	4,350 kg	5,329 mm

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

ARM DIMENSIONS

Description	Standard	Options		
Arm	2,550 mm	2,900 mm	3,380 mm	3,800 mm
Length	3,885 mm	4,245 mm	4,750 mm	5,130 mm
Height	1,150 mm	1,150 mm	1,150 mm	1,080 mm
Width	602 mm with hinge pin	602 mm with hinge pin	602 mm with hinge pin	602 mm with hinge pin
Weight	2,390 kg	2,310 kg	2,500 kg	2,765 mm

Cylinder, linkage and pin included.



WORKING RANGE

Boom Length		6,500 mm	7,060 mm		9,200 mm
Arm Length		2,550 mm	2,900 mm	3,380 mm	3,800 mm
A. Max. Digging Reach		10,625 mm	11,585 mm	12,020 mm	14,590 mm
B. Max. Digging Reach on Ground		10,388 mm	11,368 mm	11,810 mm	14,410 mm
C. Max. Digging Depth		6,521 mm	7,380 mm	7,860 mm	9,670 mm
D. Max. Digging Depth, 2.44 m (8') level		6,337 mm	7,218 mm	7,715 mm	9,525 mm
E. Max. Vertical Wall Digging Depth		5,204 mm	6,011 mm	6,435 mm	8,170 mm
F. Max. Cutting Height		9,977 mm	10,618 mm	10,785 mm	13,085 mm
G. Max. Dumping Height		7,038 mm	7,578 mm	7,520 mm	9,970 mm
H. Min. Front Swing Radius		4,645 mm	5,052 mm	5,015 mm	6,260 mm
Bucket Digging Force (ISO)	Normal	265 kN	263 kN	268 kN	270 mm
	Power Boost	280 kN	287 kN	288 kN	293 kN
Stick Digging Force (ISO)	Normal	255 kN	240 kN	209 kN	202 kN
	Power Boost	270 kN	263 kN	225 kN	218 kN
Bucket Capacity		3.2 m^3	2.6 m^3	2.2 m^3	1.4 m^3
Bucket Tip Radius		1,845 mm	1,837 mm	1,837 mm	1,595 mm

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width	Operating weight	Ground pressure	Overall width
	6.5 m boom, 2.55 m arm, 3.2 m^3 bucket, 9,000 kg counterweight 7.06 m boom, 2.9 m arm, 2.6 m^3 bucket, 9,000 kg counterweight 7.06 m boom, 3.38 m arm, 2.2 m^3 bucket, 9,000 kg counterweight		
600 mm	46,500 kg	82.2 kPa	3,340 mm
700 mm	47,100 kg	71.4 kPa	3,440 mm
800 mm	47,700 kg	63.3 kPa	3,540 mm
900 mm	48,300 kg	56.9 kPa	3,640 mm

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width	Operating weight	Ground pressure	Overall width
	9.2 m boom, 3.8 m arm, 1.4 m^3 bucket, 9,000 kg counterweight		
600 mm	53,700 kg	94.1 kPa	3,340 kPa
700 mm	54,300 kg	80.7 kPa	3,440 kPa
800 mm	54,900 kg	70.6 kPa	3,540 kPa
900 mm	55,500 kg	62.8 kPa	3,640 kPa

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	6.5 m HD Boom 2.55 m Arm	7.06 m Boom 2.9 m Arm	7.06 m Boom 3.38 m Arm	9.2 m Boom 3.8 m Arm
Heavy Duty	1.4 m^3	1,400 mm	1,795 kg	4	NA	NA	NA	B
	2.2 m^3	1,775 mm	2,092 kg	5	NA	D	D	NA
	2.6 m^3	1,602 mm	2,220 kg	5	B	B	B	NA
	3.2 m^3	1,900 mm	2,817 kg	6	A	NA	NA	NA

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/m^3 : Coal, Caliche, Shale
B. 1,400-1,600 kg/m^3 : Wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m^3 : Granite, wet sand, well blasted rock
D. 1,900 kg/m^3 : Wet mud, Iron ore
NA. Not applicable

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.


Rating over - front (Cf)


Rating over - side (Cs)

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.

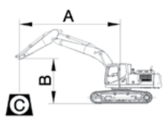
LIFTING CAPACITY (METRIC)

950E with 600 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

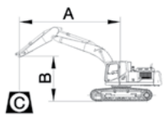
B (m)	3		4.5		6		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5									*12,940	11,160	7.1
6					*14,660	14,300	*13,110	10,180	*12,820	9,190	8.0
4.5			*20,860	20710	*16,060	13,650	*13,630	9,920	12,440	8,250	8.5
3					*17,550	12,930	*14,310	9,590	11,640	7,690	8.8
1.5					*18,460	12,400	14,400	9,300	11,500	7,570	8.8
GROUND LEVEL			*23,890	18,140	*18,410	12,150	14,220	9,140	11,990	7,840	8.5
- 1.5			*21,770	18,290	*17,280	12,150	*13,620	9,150	*12,390	8,490	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	12,380			*11,770	10,040	7.1
- 4.5			*12,390	*12,390					*9,640	*9,640	5.7

950E with 700 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3		4.5		6		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5									*12,940	11,380	7.1
6					*14,660	14,570	*13,110	10,380	*12,820	9,370	8.0
4.5			*20,860	*20,860	*16,060	13,910	*13,630	10,120	*12,650	8,420	8.5
3					*17,550	13,200	*14,310	9,790	11,870	7,860	8.8
1.5					*18,460	12,670	14,680	9,500	11,730	7,730	8.8
GROUND LEVEL			*23,890	18,540	*18,410	12,420	14,500	9,340	12,230	8,010	8.5
- 1.5			*21,770	18,690	*17,280	12,410	*13,620	9,350	*12,390	8,670	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	12,650			*11,770	10,260	7.1
- 4.5			*12,390	*12,390					*9,640	*9,640	5.7

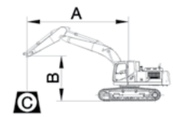
LIFTING CAPACITY (METRIC)

950E with 600 mm Shoes, 7,060 mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

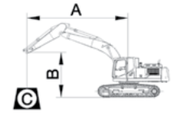
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5							*11,690	10,430			*11,520	9,200	8.2
6							*12,100	10,240			*11,250	7,860	9.0
4.5			*20,610	20,500	*15,450	13,570	*12,900	9,900	*11,430	7,610	10,700	7,120	9.5
3					*17,140	12,840	*13,770	9,530	11,240	7,430	10,080	6,680	9.7
1.5					*18,200	12,310	14,310	9,210	11,060	7,260	9,970	6,580	9.7
GROUND LEVEL			*19,180	18,100	*18,350	12,050	14,100	9,020	10,950	7,160	10,190	6,700	9.5
- 1.5			*22,130	18,220	*17,580	12,010	14,040	8,970	10,970	7,180	10,970	7,180	9.0
- 3	*22,610	*22,610	*19,500	18,500	*15,810	12,150	*12,550	9,080			*10,940	8,170	8.2
- 4.5	*17,410	*17,410	*15,370	*15,370	*12,480	*12,480					*10,080	*10,080	7.0

950E with 700 mm Shoes, 7,060 mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side

Conditions

Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5							*11,690	10,630			*11,520	9,380	8.2
6							*12,100	10,440			*11,250	8,020	9.0
4.5			*20,610	*20,610	*15,450	13,840	*12,900	10,100	*11,430	7,760	10,900	7,270	9.5
3					*17,140	13,110	*13,770	9,730	11,460	7,590	10,280	6,930	9.7
1.5					*18,200	12,580	*14,420	9,410	11,280	7,420	10,170	6,820	9.7
GROUND LEVEL			*19,180	18,500	*18,350	12,320	14,380	9,220	11,170	7,320	10,400	7,340	9.5
- 1.5			*22,130	18,620	*17,580	12,280	*14,070	9,170	*11,170	7,340	*11,170	7,340	9.0
- 3	*22,610	*22,610	*19,500	18,890	*15,810	12,420	*12,550	9,280			*10,940	8,350	8.2
- 4.5	*17,410	*17,410	*15,370	*15,370	*12,480	*12,480					*10,080	*10,080	7.0

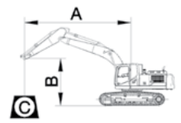
LIFTING CAPACITY (METRIC)

950E with 600 mm Shoes, 7,060 mm Boom, 3,380 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rated loads over front
Cs: Rated loads over side

Conditions

Boom length: 7,060 mm
Arm length: 3,380 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

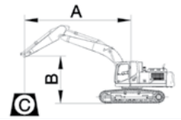
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5											*8,810	8,260	8.7
6							*11,470	10,310	*10,610	7,770	*9,380	7,230	9.4
4.5			*19,100	*19,100	*14,640	13,720	*12,330	9,940	10,770	7,610	*9,270	6,570	9.9
3			*22,800	19,180	*16,440	12,920	*13,290	9,530	10,540	7,400	8,900	6,260	10.1
1.5			*21,780	18,170	*17,730	12,300	13,350	9,170	10,320	7,200	8,790	6,160	10.1
GROUND LEVEL			*21,730	17,890	18,090	11,950	13,080	8,930	10,180	7,060	8,960	6,260	9.9
- 1.5	*16,000	*16,000	*22,880	17,930	*17,720	11,850	12,970	8,830	10,140	7,030	9,460	6,590	9.5
- 3	*25,170	*25,170	*20,560	18,150	*16,310	11,930	*13,000	8,890			*10,540	7,430	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	12,210	*10,250	9,160			*9,970	9,020	7.6

950E with 700 mm Shoes, 7,060 mm Boom, 3,380 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rated loads over front
Cs: Rated loads over side

Conditions

Boom length: 7,060 mm
Arm length: 3,380 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5											*8,810	8,420	8.7
6							*11,470	10,510	*10,610	7,930	*9,380	7,380	9.4
4.5			*19,100	*19,100	*14,640	13,970	*12,330	10,140	*10,960	7,760	*9,270	6,710	9.9
3			*22,800	19,550	*16,440	13,180	*13*290	9,720	*11,430	7,550	9,650	6,400	10.1
1.5			*21,780	18,550	*17,730	12,560	*14,050	9,360	11,220	7,350	9,540	6,290	10.1
GROUND LEVEL			*21,730	18,270	*18,180	12,210	14290	9,120	11,070	7,210	9,730	6,390	9.9
- 1.5	*16,000	*16,000	*22,880	18,310	*17,720	12,100	*14,130	9,020	11,030	7,180	10,280	6,730	9.5
- 3	*25,170	*25,170	*20,560	18,530	*16,310	12,180	*13.000	9,080			*10,540	7,590	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	12,460	*10,250	9,350			*9,970	9,210	7.6

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

STANDARD EQUIPMENT

ENGINE SYSTEM
- Cummins diesel engine, turbocharger, inline 6-cylinder, 4 stroke, water cooled
- Air filter with pre-cleaner
- Pre-filter with water separator
- Auto-idle speed control
- Aspiration, turbocharged
- IPC (Intelligent Power Control) System
- Radiator, oil cooler, and intercooler; Hydraulic driven fan
- Engine overheat prevention system
- Engine oil filter

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, stick, bucket
- Power boost function
- Swing with anti-reverse function
- Boom and arm regeneration circuits
- Pilot oil filter
- Pilot control shut-off lever
- 6-working mode selection system: Power, Economy, Fine, Lifting, Breaker, Attachment

DIGGING EQUIPMENT
- 6,500 mm boom
- 2,550 mm arm
- 3.2 m^3 (SAE, heaped) bucket

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
- Mechanical suspension seat
- Air conditioner, heater, defroster
- AM/FM radio
- Glass-breaking hammer
- Cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Fire extinguisher
- Rear view mirrors
- 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
- Starting, 24 V

UNDERCARRIAGE
- 600 mm track-shoes with triple grousers
- Rollers, bottom - 9 each side, top - 2 each side
- 2 piece under-guards (each side)
- Towing eye on base frame

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

OTHER STANDARD EQUIPMENT
- Counterweight, 9,000 kg
- Maintenance tool kit
- Maintenance parts package

OPTIONAL EQUIPMENT

ENGINE SYSTEM
- Electrical fuel refilling pump

HYDRAULIC SYSTEM
- Control pattern change valve
- Hydraulic attachments rotation lines
- Overloading warning
- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split.
- Cushion valve
- 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

UPPER STRUCTURE
- Upper frame protection (wire)
- Belly guard and 8 mm thickness platform bottom plate
- Bucket cylinder guard

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

DIGGING EQUIPMENT
- 7,060 mm boom, 9,200mm boom
- 2,900 mm arm, 3,380 mm arm, 3,800mm boom
- 1.4 m^3, 2.2 m^3, 2.6 m^3 (SAE, heaped) bucket
- Quick coupler
- Hammer

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

LIUGONG

TOUGH WORLD. TOUGH EQUIPMENT.

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