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Engine
Cummins QSG12, Tier 4F / Stage IV

Net Power
282 kW (378 hp)

Operating Weight
48,000 kg (105,822 lbs)

Bucket Capacity
1.4-3.2 m^3 (1.83-4.19 yd^3)

950E
EXCAVATOR

LiuGong



TOUGH WORLD. TOUGH EQUIPMENT.

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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

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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.





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.

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POWER TO GET THE TOUGHEST JOBS DONE RIGHT

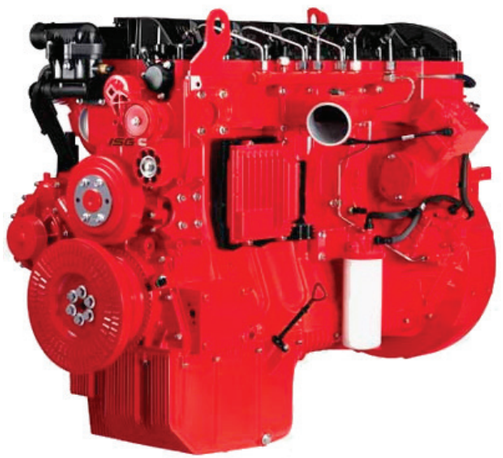
Fit for purpose is about giving your operators efficient and intelligent power when they need it, with control and precision. That's what we do.

POWER WITHOUT COMPROMISE.

The 950E is powered by the latest Cummins QSG12 engine with a rated net power of 282 kW (378 hp) @ 2,100 rpm in compliance with EU Stage IV emission standards.

The compact QSG12 delivers unmatched and dependable power in its class yet it produces virtually zero emissions.

The engine utilizes a precise and high pressure common-rail fuel injection system, turbo charger (VGT) 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.

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01 03

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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

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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.



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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.



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

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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

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SPECIFICATIONS

Operating weight	48,000 kg (105,822 lbs))

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 (1.83-4.19 yd³)

ENGINE

Description

Cummins EPA Tier 4 final / EU Stage IV, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection. Air cleaner: Cummins direct flow air filter. Cooling system: Air-to-air intercooler.

Emission rating	EPA Tier 4F / EU Stage IV
Engine manufacturer	Cummins
Engine model	QSG12
Aspiration	VGT
Charged air cooling	Aftercooler
Cooling fan drive	Hydraulic
Displacement	11.8 L (3.12 gal)
Rated speed	2,100 rpm
Engine output - net (SAE J1349 / ISO 9249)	282 kW (378 hp)
Engine output - gross (SAE J1995 / ISO 14396)	298 kW (400 hp)
Maximum torque	2,034 N·m (1,500 lbf·ft) @1,400 rpm
Bore × Stroke	132 × 144 mm (5.2” × 5.7”)

UNDERCARRIAGE

Track shoe each side	51
Link pitch	216 mm (8.5”)
Shoe width, triple grouser	600/700/800/900 mm (24”/28”/32”/35”)
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 (121,919 lbf·ft)

HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pumps
Maximum flow	2 × 380 L/min (2 × 100.4 gal/min)

Pilot pump

Type	Gear pump
Maximum flow	28.5 L/min (7.5 gal/min)

Relief valve setting

Implement	32.3/35 MPa (4,685 / 5,076 psi)
Travel circuit	32.3 MPa (4,685 psi)
Slew circuit	28 MPa (4,061 psi)
Pilot circuit	3.9 MPa (566 psi)

Hydraulic cylinders

Boom Cylinder – Bore × Stroke	Φ165 × 1,560 mm (Φ6.5” × 5’1”)
Stick Cylinder – Bore × Stroke	Φ190 × 1,980 mm (Φ7.5” × 6’6”)
Bucket Cylinder – Bore × Stroke	Φ170 × 1,260 mm (Φ6.7” × 4’2”)

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.5 kW (24 V - 10.1 hp)

SERVICE CAPACITIES

Fuel tank	650 L (171.7 gal)
Engine oil	34 L (9.0 gal)
Final drive (each)	15 L (4.0 gal)
Swing drive	2 × 5.3 L (2 × 1.4 gal)
Cooling system	33 L (8.7 gal)
Hydraulic reservoir	290 L (76.6 gal)
Hydraulic system total	520 L (137.4 gal)
DEF tank	56.8 L (15 gal)

SOUND PERFORMANCE

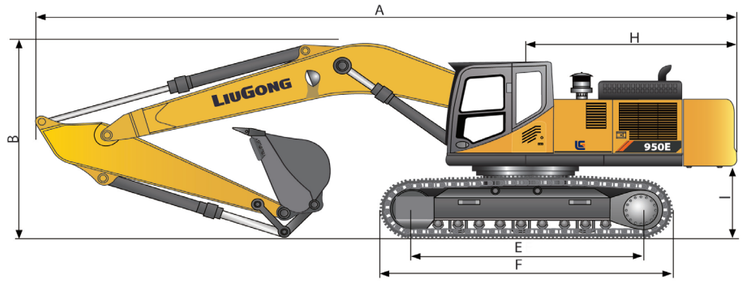
Interior Sound Power Level (ISO 6396)	72 dB(A)
Exterior Sound Power Level (ISO 6395)	106 dB(A)

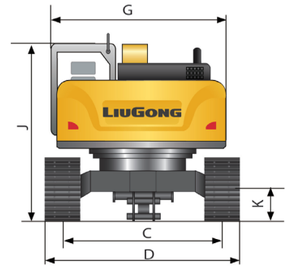
DRIVE AND BRAKES

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 (3.4 mph) Low: 3.3 km/h (2.1 mph)
Gradeability	35°/70%
Max. drawbar pull	320 kN (71,939 lbf)





DIMENSIONS

Boom	6,500 mm (21’4”)	7,060 mm (23’2”)		9,200 mm (30’2”)
Arm Options	2,550 mm (8’4”)	2,900 mm (9’6”)	3,380 mm (11’1”)	3,800 mm (12’6”)
A Shipping Length	11,515 mm (37’9”)	12,030 mm (39’6”)	12,062 mm (39’7”)	13,980 mm (45’10”)
B Shipping Height – Top of Boom	3,810 mm (12’6”)	3,810 mm (12’6”)	3,690 mm (12’1”)	4,020 mm (13’2”)
C Track Gauge	2,740 mm (9’)	2,740 mm (9’)		2,740 mm (9’)
D Undercarriage Width – 600 mm shoes	3,340 mm (10’11”)	3,340 mm (10’11”)		3,340 mm (10’11”)
700 mm shoes	3,440 mm (11’3”)	3,440 mm (11’3”)		3,440 mm (11’3”)
800 mm shoes	3,540 mm (11’7”)	3,540 mm (11’7”)		3,540 mm (11’7”)
900 mm shoes	3,640 mm (11’11”)	3,640 mm (11’11”)		3,640 mm (11’11”)
E Length to Center of Rollers	4,257 mm (14’)	4,257 mm (14’)		4,280 mm (14’1”)
F Track Length	5,256 mm (17’3”)	5,256 mm (17’3”)		5,440 mm (17’10”)
G Overall Width of Upper Structure	3,180 mm (10’5”)	3,180 mm (10’5”)		3,180 mm (10’5”)
H Tail Swing Radius	3,640 mm (11’11”)	3,640 mm (11’11”)		3,640 mm (11’11”)
I Counterweight Ground Clearance	1,324 mm (4’4”)	1,324 mm (4’4”)		1,368 mm (4’6”)
J Overall Height of Cab	3,550 mm (11’8”)	3,550 mm (11’8”)		3,350 mm (11’)
K Min. Ground Clearance	532 mm (1’9”)	532 mm (1’9”)		616 mm (2’)
L Track Shoe Width	900 mm (35”)	900 mm (35”)		900 mm (24”)

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width	Operating weight	Ground pressure	Overall width
	6.5 m (21’4”) boom/2.55 m (8’4”) arm/3.2 m³ (4.19 yd³) bucket/ 9,000 kg (19,842 lbs) counterweight 7.06 m (23’2 ”) boom/2.9 m (9’6”) arm/2.6 m³ (3.40 yd³) bucket/ 9,000 kg (19,842 lbs) counterweight 7.06 m (23’2 ”) boom/3.38 m (11’1”) arm/2.2 m³ (2.88 yd³) bucket/ 9,000 kg (19,842 lbs) counterweight		
600 mm (24”)	48,000 kg (105,822 lbs)	84.9 kPa (12.3 psi)	3,340 mm (10’ 11”)
700 mm (28”)	48,600 kg (107,145 lbs)	73.7 kPa (10.7 psi)	3,440 mm (11’ 3”)
800 mm (32”)	49,200 kg (108,467 lbs)	65.3 kPa (9.5 psi)	3,540 mm (11’ 7”)
900 mm (35”)	49,800 kg (109,790 lbs)	58.7 kPa (8.5 psi)	3,640 mm (11’ 11”)

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width	Operating weight	Ground pressure	Overall width
	9.2 m (30’2”) boom, 3.8 m (12’6”) arm, 1.4 m³ (1.83 yd³) bucket, 9,000 kg (19,842 lbs) counterweight		
600 mm (24”)	53,700 kg (118,388 lbs)	94.1 kPa (13.6 psi)	3340 mm (10’ 11”)
700 mm (28”)	54,300 kg (119,711 lbs)	80.7 kPa (11.7 psi)	3,440 mm (11’ 3”)
800 mm (32”)	54,900 kg (121,034 lbs)	70.6 kPa (10.2 psi)	3,540 mm (11’ 7”)
900 mm (35”)	55,500 kg (122,357 lbs)	62.8 kPa (9.1 psi)	3,640 mm (11’ 11”)

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ARM DIMENSIONS

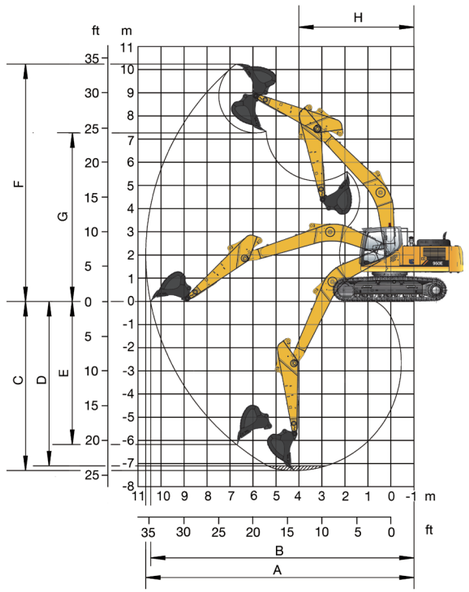
	Standard	Options		
Arm	2,550 mm (8’4”)	2,900 mm (9’6”)	3,380 mm (11’1”)	3,800 mm (12’6”)
Length	3,885 mm (12’9”)	4,245 mm (13’11”)	4,750 mm (15’7”)	5,130 mm (16’10”)
Height	1,150 mm (3’9”)	1,150 mm (3’9”)	1,150 mm (3’9”)	1,080 mm (3’7”)
Width	602 mm (2’)	602 mm (2’)	602 mm (2’)	602 mm (2’)
Weight	2,390 kg (5,269 lbs)	2,310 kg (5,093 lbs)	2,500 kg (5,512 lbs)	2,765 kg (6,096 lbs)

Cylinder, linkage and pin included.

BOOM DIMENSIONS

	Standard	Options	
Boom	6,500 mm (21’4”)	7,060 mm (23’2”)	9,200 mm (30’2”)
Length	6,800 mm (22’4”)	7,350 mm (24’1”)	9,450 mm (31’)
Height	1,910 mm (6’3”)	1,850 mm (6’1”)	1,700 mm (5’7”)
Width	1,057 mm (3’6”)	1,057 mm (3’6”)	1,057 mm (3’6”)
Weight	4,150 kg (9,149 lbs)	4,350 kg (9,590 lbs)	5,329 kg (11,748 lbs)

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



WORKING RANGE

Boom Length		6,500 mm (21’4”)	7,060 mm (23’2”)		9,200 mm (30’2”)
Arm Length		2,550 mm (8’4”)	2,900 mm (9’6”)	3,380 mm (11’1”)	3,800 mm (12’6”)
A. Max. Digging Reach		10,625 mm (34’10”)	11,585 mm (38’)	12,020 mm (39’5”)	14,590 mm (47’10”)
B. Max. Digging Reach on Ground		10,388 mm (34’1”)	11,368 mm (37’4”)	11,810 mm (38’9”)	14,410 mm (47’3”)
C. Max. Digging Depth		6,521 mm (21’5”)	7,380 mm (24’3”)	7,860 mm (25’9”)	9,670 mm (31’9”)
D. Max. Digging Depth, 2.44 m (8’) level		6,337 mm (20’9”)	7,218 mm (23’8”)	7,715 mm (25’4”)	9,525 mm (31’3”)
E. Max. Vertical Wall Digging Depth		5,204 mm (17’1”)	6,011 mm (19’9”)	6,435 mm (21’1”)	8,170 mm (26’10”)
F. Max. Cutting Height		9,977 mm (32’9”)	10,618 mm (34’10”)	10,785 mm (35’5”)	13,085 mm (42’11”)
G. Max. Dumping Height		7,038 mm (23’1”)	7,578 mm (24’10”)	7,520 mm (24’8”)	9,970 mm (32’9”)
H. Min. front swing radius		4,645 mm (15’3”)	5,052 mm (16’7”)	5,015 mm (16’5”)	6,260 mm (20’6”)
Bucket Digging Force (ISO)	Normal	265 kN (59,574 lbf)	263 kN (59,125 lbf)	268 kN (60,249 lbf)	270 kN (60,698 lbf)
	Power Boost	280 kN (62,947 lbf)	287 kN (64,520 lbf)	288 kN (64,745 lbf)	293 kN (65,869 lbf)
Stick Digging Force (ISO)	Normal	255 kN (57,326 lbf)	240 kN (53,954 lbf)	209 kN (46,985 lbf)	202 kN (45,411 lbf)
	Power Boost	270 kN (60,698 lbf)	263 kN (59,125 lbf)	225 kN (50,582 lbf)	218 kN (49,008 lbf)
Bucket Capacity		3.2 m^3 (4.19 yd^3)	2.6 m^3 (3.4 yd^3)	2.2 m^3 (2.88 yd^3)	1.4 m^3 (1.83 yd^3)
Bucket Tip Radius		1,845 mm (6’1”)	1,837 mm (6’)	1,837 mm (6’)	1,595 mm (5’3”)

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

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.

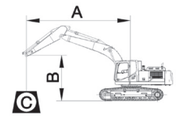
LIFTING CAPACITY (METRIC)

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)

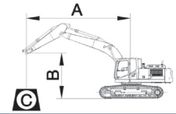
B (m)	3		4.5		6		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5									*12,940	11,590	7.1
6					*14,660	*14,660	*13,110	10,580	*12,820	9,550	8.0
4.5			*20,860	*20,860	*16,060	14,170	*13,630	10,320	*12,650	8,590	8.5
3					*17,550	13,460	*14,310	9,980	12,090	8,020	8.8
1.5					*18,460	12,930	*14,760	9,690	11,950	7,890	8.8
GROUND LEVEL			*23,890	18,930	*18,410	12,680	*14,650	9,530	12,460	8,180	8.5
- 1.5			*21,770	19,080	*17,280	12,670	*13,620	9,550	*12,390	8,850	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	12,910			*11,770	10,470	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	11,800	7.1
6					*14,660	*14,660	*13,110	10,780	*12,820	9,730	8.0
4.5			*20,860	*20,860	*16,060	14,440	*13,630	10,520	*12,650	8,760	8.5
3					*17,550	13,720	*14,310	10,180	12,320	8,180	8.8
1.5					*18,460	13,190	*14,760	9,890	12,180	8,060	8.8
GROUND LEVEL			*23,890	19,320	*18,410	12,940	*14,650	9,730	*12,650	8,350	8.5
- 1.5			*21,770	19,480	*17,280	12,940	*13,620	9,750	*12,390	9,040	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	13,170			*11,770	10,680	7.1
- 4.5			*12,390	*12,390					*9,640	*9,640	5.7

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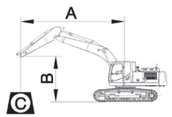
LIFTING CAPACITY (IMPERIAL)

950E with 24” Shoes, 21’4” Boom, 8’4” 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: 21’4”
Arm length: 8’4”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 24” triple grouser
Unit: lbs



A (Unit: ft)

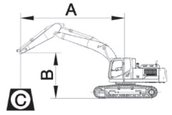
B (ft)	10		15		20		25		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25									*28,520	*25,550	23.3
20					*32,310	*32,310	*28,900	23,320	*28,260	21,050	26.2
15			*45,980	*45,980	*35,400	31,230	*30,040	22,750	*27,880	18,930	27.9
10					*38,690	29,670	*31,540	22,000	26,654	17,680	28.9
5					*40,690	28,500	*32,540	21,360	26,345	17,390	28.9
GROUND LEVEL			*52,660	41,730	*40,580	27,950	*32,290	21,010	27,470	18,030	27.9
- 5			*47,990	42,060	*38,090	27,930	*30,020	21,050	*27,310	19,510	26.2
- 10	*46,160	*46,160	*40,340	*40,340	*32,380	28,460			*25,940	23,080	23.3
- 15			*27,310	*27,310					*21,250	*21,250	18.7

950E with 28” Shoes,21’4” Boom, 8’4” 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: 21’4”
Arm length: 8’4”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 28” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25									*28,520	*25,550	23.3
20					*32,310	*32,310	*28,900	23,760	*28,260	21,050	26.2
15			*45,980	*45,980	*35,400	31,830	*30,040	23,190	*27,880	18,930	27.9
10					*38,690	30,240	*31,540	22,440	27,160	17,680	28.9
5					*40,690	29,070	*32,540	21,800	26,850	17,390	28.9
GROUND LEVEL			*52,660	42,590	*40,580	28,520	*32,290	21,450	*27,880	18,030	27.9
- 5			*47,990	42,940	*38,090	28,520	*30,020	21,490	*27,310	19,510	26.2
- 10	*46,160	*46,160	*40,340	*40,340	*32,380	29,030			*25,940	23,080	23.3
- 15			*27,310	*27,310					*21,250	*21,250	18.7

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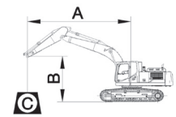
LIFTING CAPACITY (METRIC)

950E with 800 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: 800 mm triple grouser
Unit: kg



A (Unit: m)

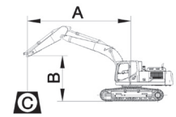
B (m)	3		4.5		6		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5									*12,940	12,010	7.1
6					*14,660	*14,660	*13,110	10,980	*12,820	9,920	8.0
4.5			*20,860	*20,860	*16,060	14,700	*13,630	10,720	*12,650	8,930	8.5
3					*17,550	13,990	*14,310	10,380	*12,550	8,350	8.8
1.5					*18,460	13,460	*14,760	10,090	*12,410	8,220	8.8
GROUND LEVEL			*23,890	19,720	*18,410	13,210	*14,650	9,930	*12,650	8,520	8.5
- 1.5			*21,770	19,870	*17,280	13,200	*13,620	9,940	*12,390	9,220	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	13,440			*11,770	10,890	7.1
- 4.5			*12,390	*12,390					*9,640	*9,640	5.7

950E with 900 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: 900 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	12,220	7.1
6					*14,660	*14,660	*13,110	11,180	*12,820	10,100	8.0
4.5			*20,860	*20,860	*16,060	14,970	*13,630	10,920	*12,650	9,100	8.5
3					*17,550	14,260	*14,310	10,580	*12,560	8,510	8.8
1.5					*18,460	13,720	*14,760	10,290	*12,570	8,390	8.8
GROUND LEVEL			*23,890	20,110	*18,410	13,470	*14,650	10,130	*12,650	8,690	8.5
- 1.5			*21,770	20,270	*17,280	13,470	*13,620	10,140	*12,390	9,400	8.0
- 3	*20,940	*20,940	*18,300	*18,300	*14,690	13,700			*11,770	11,100	7.1
- 4.5			*12,390	*12,390					*9,640	*9,640	5.7

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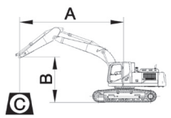
LIFTING CAPACITY (IMPERIAL)

950E with 32” Shoes, 21’4” Boom, 8’4” 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: 21’4”
Arm length: 8’4”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 32” triple grouser
Unit: lbs



A (Unit: ft)

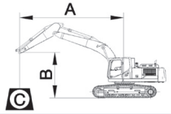
B (ft)	10		15		20		25		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25									*28,520	26,470	23.3
20					*32,310	*32,310	*28,900	24,200	*28,260	21,860	26.2
15			*45,980	*45,980	*35,400	32,400	*30,040	23,630	*27,880	19,680	27.9
10					*38,690	30,840	*31,540	22,880	*27,660	18,400	28.9
5					*40,690	29,670	*32,540	22,240	*27,350	18,120	28.9
GROUND LEVEL			*52,660	43,470	*40,580	29,120	*32,290	21,890	*27,880	18,780	27.9
- 5			*47,990	43,800	*38,090	29,100	*30,020	21,910	*27,310	20,320	26.2
- 10	*46,160	*46,160	*40,340	*40,340	*32,380	29,630			*25,940	24,000	23.3
- 15			*27,310	*27,310					*21,250	*21,250	18.7

950E with 35” Shoes,21’4” Boom, 8’4” 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: 21’4”
Arm length: 8’4”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 35” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25									*28,520	26,940	23.3
20					*32,310	*32,310	*28,900	24,640	*28,260	22,260	26.2
15			*45,980	*45,980	*35,400	33,000	*30,040	24,070	*27,880	20,060	27.9
10					*38,690	31,430	*31,540	23,320	*27,690	18,760	28.9
5					*40,690	30,240	*32,540	22,680	*27,710	18,490	28.9
GROUND LEVEL			*52,660	44,330	*40,580	29,690	*32,290	22,330	*27,880	19,150	27.9
- 5			*47,990	44,680	*38,090	29,690	*30,020	22,350	*27,310	20,720	26.2
- 10	*46,160	*46,160	*40,340	*40,340	*32,380	30,200			*25,940	24,470	23.3
- 15			*27,310	*27,310					*21,250	*21,250	18.7

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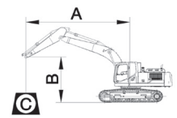
LIFTING CAPACITY (METRIC)

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)

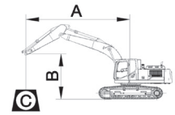
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5							*11,690	10,820			*11,520	9,560	8.2
6							*12,100	10,640			*11,250	8,180	9.0
4.5			*20,610	20,500	*15,450	14,100	*12,900	10,300	*11,430	7,920	11,110	7,420	9.5
3					*17,140	13,370	*13,770	9,920	11,680	7,740	10,630	6,970	9.7
1.5					*18,200	12,840	*14,420	9,610	11,500	7,580	10,510	6,870	9.7
GROUND LEVEL			*19,180	18,890	*18,350	12,580	*14,580	9,420	11,390	7,480	10,600	7,000	9.5
- 1.5			*22,130	19,010	*17,580	12,540	*15,810	9,360	*11,170	7,500	*11,170	7,500	9.0
- 3	*22,610	*22,610	*19,500	19,280	*15,810	12,680	*12,550	9,470			*10,940	8,520	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	11,020			*11,520	9,740	8.2
6							*12,100	10,830			*11,250	8,340	9.0
4.5			*20,610	*20,610	*15,450	14,360	*12,900	10,500	*11,430	8,080	*11,170	7,570	9.5
3					*17,140	13,630	*13,770	10,120	*11,810	7,900	10,670	7,110	9.7
1.5					*18,200	13,100	*14,420	9,810	11,720	7,740	10,560	7,010	9.7
GROUND LEVEL			*19,180	*19,180	*18,350	12,850	*14,580	9,610	11,610	7,640	10,810	7,150	9.5
- 1.5			*22,130	19,400	*17,580	12,810	*15,810	9,560	*11,170	7,650	*11,170	7,650	9.0
- 3	*22,610	*22,610	*19,500	*19,500	*15,810	12,940	*12,550	9,670			*10,940	8,700	8.2
- 4.5	*17,410	*17,410	*15,370	*15,370	*12,480	*12,480					*10,080	*10,080	7.0

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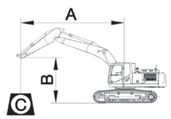
LIFTING CAPACITY (IMPERIAL)

950E with 32” Shoes, 23’2” Boom, 9’6” 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: 23’2”
Arm length: 9’6”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 32” triple grouser
Unit: lbs



A (Unit: ft)

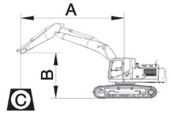
B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25							*25,770	24,730			*25,390	21,860	26.9
20							*26,670	24,310			*24,800	18,730	29.5
15			*34,850	*34,850	*34,850	32,250	*28,430	23,560	*25,190	18,160	*24,620	17,010	31.2
10					*37,780	30,640	*30,350	22,750	*26,030	17,760	23,960	16,000	31.8
5					*40,120	29,470	*31,790	22,060	26,320	17,410	23,720	15,780	31.8
GROUND LEVEL			*42,280	*42,280	*40,450	28,900	*32,140	21,620	26,080	17,190	24,270	16,090	31.2
- 5			*48,780	*43,650	*38,750	28,810	*34,850	21,510	*24,620	17,240	*24,620	17,240	29.5
- 10	*49,840	*49,840	*42,990	*42,990	*34,850	29,120	*27,660	21,750			*24,110	19,570	26.9
- 15	*38,380	*38,380	*33,880	*33,880	*27,510	*27,510					*22,220	*22,220	23.0

950E with 35” Shoes,23’2” Boom, 9’6” 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: 23’2”
Arm length: 9’6”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 35” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25							*25,770	25,170			*25,390	22,260	26.9
20							*26,670	24,750			*24,800	19,110	29.5
15			*45,430	*45,430	*34,060	32,840	*28,430	24,000	*25,190	18,510	*24,620	17,350	31.2
10					*37,780	31,210	*30,350	23,190	*26,030	18,120	24,400	16,330	31.8
5					*40,120	30,040	*31,790	22,500	*26,600	17,760	24,160	16,090	31.8
GROUND LEVEL			*42,280	*42,280	*40,450	29,490	*32,140	22,060	*26,410	17,540	*24,620	16,420	31.2
- 5			*48,780	44,530	*38,750	29,400	*34,850	21,950	*24,620	17,570	*24,620	17,570	29.5
- 10	*49,840	*49,840	*42,990	*42,990	*34,850	29,690	*27,660	22,200			*24,110	19,970	26.9
- 15	*38,380	*38,380	*33,880	*33,880	*27,510	*27,510					*22,220	*22,220	23.0

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

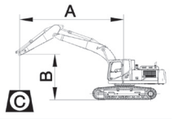
LIFTING CAPACITY (METRIC)

950E with 800 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: 800 mm triple grouser
Unit: kg



A (Unit: m)

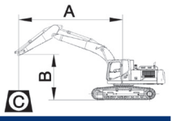
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5							*11,690	11,220			*11,520	9,920	8.2
6							*12,100	11,030			*11,250	8,500	9.0
4.5			*20,610	*20,610	*15,450	14,630	*12,900	10,690	*11,430	8,240	*11,170	7,720	9.5
3					*17,140	13,900	*13,770	10,320	*11,810	8,060	10,870	7,260	9.7
1.5					*18,200	13,370	*14,420	10,010	11,940	7,900	10,760	7,160	9.7
GROUND LEVEL			*19,180	*19,180	*18,350	13,110	*14,580	9,810	11,830	7,800	11,010	7,300	9.5
- 1.5			*22,130	*19,800	*17,580	13,070	*15,810	9,760	*11,170	7,820	*11,170	7,820	9.0
- 3	*22,610	*22,610	*19,500	*19,500	*15,810	13,210	*12,550	9,870			*10,940	8,880	8.2
- 4.5	*17,410	*17,410	*15,370	*15,370	*12,480	*12,480					*10,080	*10,080	7.0

950E with 900 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: 900 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	11,420			*11,520	10,100	8.2
6							*12,100	11,230			*11,250	8,670	9.0
4.5			*20,610	*20,610	*15,450	14,900	*12,900	10,890	*11,430	8,400	*11,170	7,870	9.5
3					*17,140	14,160	*13,770	10,520	*11,810	8,220	11,070	7,410	9.7
1.5					*18,200	13,630	*14,420	10,210	*12,070	8,060	10,960	7,300	9.7
GROUND LEVEL			*19,180	*19,180	*18,350	13,380	*14,580	10,010	*11,980	7,960	*11,170	7,450	9.5
- 1.5			*22,130	20,200	*17,580	13,340	*15,810	9,960	*11,170	7,970	*11,170	7,970	9.0
- 3	*22,610	*22,610	*19,500	*19,500	*15,810	13,470	*12,550	10,070			*10,940	9,060	8.2
- 4.5	*17,410	*17,410	*15,370	*15,370	*12,480	*12,480					*10,080	*10,080	7.0

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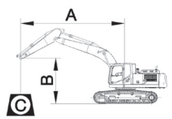
LIFTING CAPACITY (IMPERIAL)

950E with 24” Shoes, 23’2” Boom, 11’1” 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: 23’2”
Arm length: 11’1”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 24” triple grouser
Unit: lbs



A (Unit: ft)

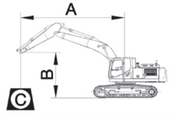
B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25											*19,420	18,910	28.5
20							*25,280	23,580	*23,390	17,810	*20,670	16,600	30.8
15			*42,100	*42,100	*32,270	31,370	*27,180	22,770	*24,160	17,460	*20,430	15,100	32.5
10			*50,260	43,960	*36,240	29,630	*29,290	21,860	*25,190	16,990	21,690	14,390	33.1
5			*48,010	40,050	*39,080	28,260	*30,970	21,070	25,220	16,550	21,450	14,170	33.1
GROUND LEVEL			*47,900	41,130	*40,080	27,490	*31,720	20,520	24,890	16,240	21,860	14,390	32.5
- 5	*35,270	*35,270	*50,440	41,220	*39,060	27,240	*31,150	20,320	24,800	16,150	23,100	15,160	31.2
- 10	*55,490	*55,490	*45,320	41,710	*35,950	27,420	*28,660	20,430			*23,230	17,080	28.5
- 15	*45,040	*45,040	*37,280	*37,280	*29,960	28,040	*22,590	21,050			*21,980	20,720	24.9

950E with 28” Shoes,23’2” Boom, 11’1” 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: 23’2”
Arm length: 11’1”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 28” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25											*19,420	19,290	28.5
20							*25,280	24,030	*23,390	18,160	*20,670	16,930	30.8
15			*42,100	*42,100	*32,270	31,960	*27,180	23,210	*24,160	17,810	*20,430	15,410	32.5
10			*50,260	44,840	*36,240	30,200	*29,290	22,310	*25,190	17,350	22,110	14,700	33.1
5			*48,010	41,400	*39,080	28,830	*30,970	21,510	25,700	16,900	21,860	14,480	33.1
GROUND LEVEL			*47,900	42,020	*40,080	28,060	*31,720	20,980	25,370	16,600	22,310	14,720	32.5
- 5	*35,270	*35,270	*50,440	42,080	*39,060	27,840	*31,150	20,760	*25,220	16,510	*23,250	15,490	31.2
- 10	*55,490	*55,490	*45,320	42,590	*35,950	28,020	*28,660	20,870			*23,230	17,430	28.5
- 15	*45,040	*45,040	*37,280	*37,280	*29,960	28,630	*22,590	21,490			*21,980	21,160	24.9

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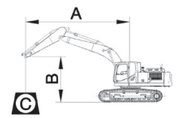
LIFTING CAPACITY (METRIC)

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: Rating loads over front
Cs: Rating 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)

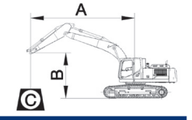
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5											*8,810	8,580	8.7
6							*11,470	10,700	*10,610	8,080	*9,380	7,530	9.4
4.5			*19,100	*19,100	*14,640	14,230	*12,330	10,330	*10,960	7,920	*9,270	6,850	9.9
3			*22,800	19,940	*16,440	13,440	*13,290	9,920	*11,430	7,710	9,840	6,530	10.1
1.5			*21,780	18,170	*17,730	12,820	*14,050	9,560	11,440	7,510	9,730	6,430	10.1
GROUND LEVEL			*21,730	18,660	*18,180	12,470	*14,390	9,310	11,290	7,370	9,920	6,530	9.9
- 1.5	*16,000	*16,000	*22,880	18,700	*17,720	12,360	*14,130	9,220	11,250	7,330	10,480	6,880	9.5
- 3	*25,170	*25,170	*20,560	18,920	*16,310	12,440	*13,000	9,270			*10,540	7,750	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	12,720	*10,250	9,550			*9,970	9,400	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: Rating loads over front
Cs: Rating 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	8,750	8.7
6							*11,470	10,900	*10,610	8,240	*9,380	7,680	9.4
4.5			*19,100	*19,100	*14,640	14,500	*12,330	10,530	*10,960	8,080	*9,270	6,990	9.9
3			*22,800	20,340	*16,440	13,700	*13,290	10,120	*11,430	7,870	10,030	6,670	10.1
1.5			*21,780	18,780	*17,730	13,080	*14,050	9,760	11,660	7,670	9,920	6,570	10.1
GROUND LEVEL			*21,730	19,060	*18,180	12,730	*14,390	9,520	11,510	7,530	10,120	6,680	9.9
- 1.5	*16,000	*16,000	*22,880	19,090	*17,720	12,630	*14,130	9,420	*11,440	7,490	*10,550	7,030	9.5
- 3	*25,170	*25,170	*20,560	19,320	*16,310	12,710	*13,000	9,470			*10,540	7,910	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	12,990	*10,250	9,750			*9,970	9,600	7.6

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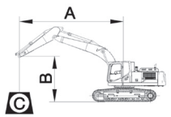
LIFTING CAPACITY (IMPERIAL)

950E with 24” Shoes, 23’2” Boom, 9’6” 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: 23’2”
Arm length: 9’6”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 24” triple grouser
Unit: lbs



A (Unit: ft)

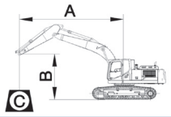
B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25							*25,770	23,850			*25,390	21,070	26.9
20							*26,670	23,450			*24,800	18,030	29.5
15			*45,430	45,190	*34,060	31,080	*28,430	22,700	*25,190	17,460	24,490	16,350	31.2
10					*37,780	29,470	*30,350	21,860	25,750	17,060	23,430	15,360	31.8
5					*40,120	28,300	*31,790	21,180	25,350	16,710	23,170	15,140	31.8
GROUND LEVEL			*42,280	41,640	*40,450	27,730	*32,140	20,760	25,110	16,490	23,360	15,430	31.2
- 5			*48,780	41,900	*38,750	27,640	*34,850	20,630	*24,620	16,530	*24,620	16,530	29.5
- 10	*49,840	*49,840	*42,990	42,500	*34,850	27,950	*27,660	20,870			*24,110	18,780	26.9
- 15	*38,380	*38,380	*33,880	*33,880	*27,510	*27,510					*22,220	*22,220	23.0

950E with 28” Shoes,23’2” Boom, 9’6” 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: 23’2”
Arm length: 9’6”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 28” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25							*25,770	24,290			*25,390	20,280	26.9
20							*26,670	23,870			*24,800	17,320	29.5
15			*45,430	*45,430	*34,060	31,650	*28,430	23,140	*25,190	17,810	*24,620	15,690	31.2
10					*37,780	30,040	*30,350	22,310	*26,030	17,410	23,520	14,720	31.8
5					*40,120	28,880	*31,790	21,620	25,830	17,060	23,280	14,500	31.8
GROUND LEVEL			*42,280	*42,280	*40,450	28,320	*32,140	21,180	25,590	16,840	23,830	14,770	31.2
- 5			*48,780	42,760	*38,750	28,240	*34,850	21,070	*24,620	16,860	*24,620	15,820	29.5
- 10	*49,840	*49,840	*42,990	*42,990	*34,850	28,520	*27,660	21,310			*24,110	18,010	26.9
- 15	*38,380	*38,380	*33,880	*33,880	*27,510	*27,510					*22,220	*22,220	23.0

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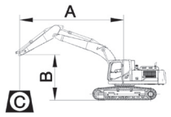
LIFTING CAPACITY (METRIC)

950E with 800 mm Shoes, 7,060 mm Boom, 3,380 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: 3,380 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

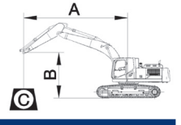
B (m)	3		4.5		6		7.5		9		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5											*8,810	*8,810	8.7
6							*11,470	11,100	*10,610	8,400	*9,380	7,830	9.4
4.5			*19,100	*19,100	*14,640	*14,640	*12,330	10,730	*10,960	8,240	*9,270	7,130	9.9
3			*22,800	20,740	*16,440	13,970	*13,290	10,320	*11,430	8,030	*10,110	6,810	10.1
1.5			*21,780	18,780	*17,730	13,350	*14,050	9,960	*11,800	7,830	10,110	6,710	10.1
GROUND LEVEL			*21,730	19,450	*18,180	13,000	*14,390	9,710	11,730	7,690	10,310	6,820	9.9
- 1.5	*16,000	*16,000	*22,880	19,490	*17,720	12,890	*14,130	9,610	*11,440	7,650	*10,550	7,180	9.5
- 3	*25,170	*25,170	*20,560	19,720	*16,310	12,970	*13,000	9,670			*10,540	8,080	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	13,250	*10,250	9,950			*9,970	9,790	7.6

950E with 900 mm Shoes, 7,060 mm Boom, 3,380 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: 3,380 mm
Bucket: None
Counterweight: 9,000 kg
Shoes: 900 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	*8,810	8.7
6							*11,470	11,300	*10,610	8,560	*9,380	7,980	9.4
4.5			*19,100	*19,100	*14,640	*14,640	*12,330	10,930	*10,960	8,400	*9,270	7,270	9.9
3			*22,800	21,130	*16,440	14,230	*13,290	10,520	*11,430	8,190	*10,110	6,950	10.1
1.5			*21,780	18,780	*17,730	13,610	*14,050	10,160	*11,800	7,990	10,300	6,850	10.1
GROUND LEVEL			*21,730	19,850	*18,180	13,260	*14,390	9,910	*11,890	7,850	10,510	6,960	9.9
- 1.5	*16,000	*16,000	*22,880	19,890	*17,720	13,160	*14,130	9,810	*11,440	7,810	*10,550	7,330	9.5
- 3	*25,170	*25,170	*20,560	20,110	*16,310	13,240	*13,000	9,870			*10,540	8,250	8.7
- 4.5	*20,430	*20,430	*16,910	*16,910	*13,590	13,520	*10,250	10,140			*9,970	*9,970	7.6

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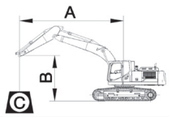
LIFTING CAPACITY (IMPERIAL)

950E with 32” Shoes, 23’2” Boom, 11’1” 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: 23’2”
Arm length: 11’1”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 32” triple grouser
Unit: lbs



A (Unit: ft)

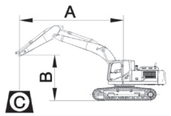
B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25											*19,420	*19,420	28.5
20							*25,280	24,470	*23,390	18,510	*20,670	17,260	30.8
15			*42,100	*42,100	*32,270	*32,270	*27,180	23,650	*24,160	18,160	*20,430	15,710	32.5
10			*50,260	45,720	*36,240	30,790	*29,290	22,750	*25,190	17,700	*22,280	15,010	33.1
5			*48,010	41,400	*39,080	29,430	*30,970	21,950	*26,010	17,260	22,280	14,790	33.1
GROUND LEVEL			*47,900	42,870	*40,080	28,660	*31,720	21,400	25,860	16,950	22,720	15,030	32.5
- 5	*35,270	*35,270	*50,440	42,960	*39,060	28,410	*31,150	21,180	*25,220	16,860	*23,250	15,820	31.2
- 10	*55,490	*55,490	*45,320	43,470	*35,950	28,590	*28,660	21,310			*23,230	17,810	28.5
- 15	*45,040	*45,040	*37,280	*37,280	*29,960	29,210	*22,590	21,930			*21,980	21,580	24.9

950E with 35” Shoes,23’2” Boom, 11’1” 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: 23’2”
Arm length: 11’1”
Bucket: None
Counterweight: 19,824 lbs
Shoes: 35” triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25											*19,420	*19,420	28.5
20							*25,280	24,910	*23,390	18,870	*20,670	17,590	30.8
15			*42,100	*42,100	*32,270	*32,270	*27,180	24,090	*24,160	18,510	*20,430	16,020	32.5
10			*50,260	46,580	*36,240	31,370	*29,290	23,190	*25,190	18,050	*22,280	15,320	33.1
5			*48,010	41,400	*39,080	30,000	*30,970	22,390	*26,010	17,610	22,700	15,100	33.1
GROUND LEVEL			*47,900	43,760	*40,080	29,230	*31,720	21,840	*26,210	17,300	23,170	15,340	32.5
- 5	*35,270	*35,270	*50,440	43,840	*39,060	29,010	*31,150	21,620	*25,220	17,210	*23,250	16,150	31.2
- 10	*55,490	*55,490	*45,320	44,330	*35,950	29,180	*28,660	21,750			*23,230	18,180	28.5
- 15	*45,040	*45,040	*37,280	*37,280	*29,960	29,800	*22,590	22,350			*21,980	*21,980	24.9

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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
- 7,060 mm (23’2”) boom
- 2,900 mm (9’6”) arm
- 2.2 m^3 (2.88 yd^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 (19,824 lbs)
- 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)

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

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

UNDERCARRIAGE
- 600 mm (24”), 700 mm (28”), 800 mm (32”) track-shoes with triple grousers
- 3 piece track-guards (each side)

DIGGING EQUIPMENT
- 7,060 mm (23’2”) boom, 9,200mm(30’2”) boom
- 2,900 mm (9’6”) arm, 3,380 mm (11’1”) arm, 3,800mm(12’6”) arm
- 1.4, 2.6, 3.2 m3 (1.83,3.4, 4.2 yd3, SAE, heaped bucket
- Hydraulic hammers
- Hydraulic quick couplers

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

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LIUGONG

TOUGH WORLD. TOUGH EQUIPMENT.

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