LiuGong

Engine	Cummins B 6.7
Net Power	161 kW (216 hp / 219 ps) @ 2,000 rpm
Operating Weight	31,800-32,700 kg (70,107-72,091 lbs)
Bucket Capacity	1.4-1.6 m^3 (1.83-2.09 yd^3)

930E EXCAVATOR

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 930E.

930E. 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 930E, we've met your challenge and given you everything you want – without compromise.

TOUGH FACTS

AWARD WINNING DESIGN

Our UK-based design team has invested thousands of man hours to really understand how our machines are used every day. This insight shapes our innovative approach to product design. Our design team recently won a prestigious Red Dot Award for our D-Series Grader and our New F-Series shares this award-winning design DNA.

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 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 QUALITY STANDARDS

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

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

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 930E HIGH PERFORMANCE FROM THE GROUND UP

1 TOUGHER UNDERCARRIAGE

With X-shaped frame built from high strength tensile steel, the 930E's undercarriage is designed to withstand the toughest conditions. Continuous digging, lifting and loading can put excessive stress on machines. The 930E 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 930E 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, increased by 15% on the E-series cab compared with our previous model, combined with the rear-view camera, provides an extraordinary view of the 930E's surroundings.

5 TOUGHER BOOM AND ARM

The 930E 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 930E, 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 FASTER CYCLE TIMES

Greater hydraulic flow and higher swing speeds combine to improve cycle times by 12% on tasks such as truck loading, digging, trenching and backfilling compared with our previous model.

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
50,000 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 930E is powered by the latest Cummins B6.7 engine with a net power of 161 kW (216 hp / 219 ps) @ 2,000 rpm, in compliance with EU Stage V emission standards.

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

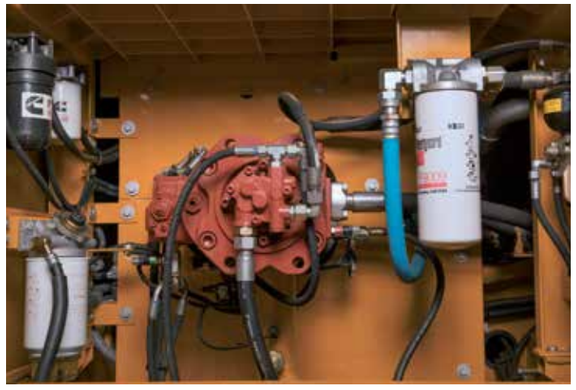
The 930E advanced Intelligent Power Control (IPC) system intelligently delivers the power you need – when you need it.

This new generation computer-aided IPC system allows the 930E'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 (SAVE UP TO 4 L)

The intelligent combination of powerful digging force, swing torque and lifting performance make the most of every drop of fuel. The 930E 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, saving 1 liter of fuel every 2 hours.

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. Our tests indicate that up to 4 liters of fuel can be saved on an 8-hour shift.

DAILY CHECKS AND MAINTENANCE SHOULDN'T BE TOUGH

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

PRACTICAL SERVICING

Smart and effective design makes service and maintenance fast and simple – that's good news for operators who work in some of the toughest places on the planet.

Handrails are fitted as standard on the 930E, 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 930E 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 930E 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 of over 300 dealers in more than 100 countries.

All supported by 13 regional subsidiaries and 12 regional parts depots offering expert training, parts and service support.

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

- 9,500+ Employees
- 20 Factories
- 13 Regional subsidiaries
- 300+ Dealers
- 1,000+ R&D engineers
- 5 R&D facilities
- 12 Regional parts depots
- Over 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. We choose high quality, proven components and parts from world-renowned brands and suppliers.

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 930E, 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 930E represents the formula for success.

FIT FOR PURPOSE

+

UPTIME AND SUPPORT

+

TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION

SPECIFICATIONS

Operating weight	31,800-32,700 kg (70,107-72,091 lbs)

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lbs).

Bucket capacity	1.4-1.6 m³ (1.83-2.09 yd³)

ENGINE

Description

Cummins EU Stage V, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection.
Air cleaner: Cummins direct flow air filter.
Cooling system: Charge air cooler.

Emission rating	EU Stage V
Engine manufacturer	Cummins
Engine model	B 6.7
Aspiration	Variable-Geometry Turbocharger (VGT)
Charged air cooling	Aftercooler
Cooling fan drive	Viscous clutch
Displacement	6.7 L (1.8 gal)
Engine output - net (SAE J1349 / ISO 9249)	161 kW (216 hp / 219 ps) @ 2,000 rpm
Engine output - gross (SAE J1995 / ISO 14396)	173 kW (232 hp / 235 ps) @ 2,000 rpm
Maximum torque	949 N·m (700 lbf·ft) @1,500 rpm
Bore × Stroke	107 × 124 mm (4.2” x 4.9”)

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	10.3 rpm
Swing torque	105,000 N·m (77,444 lbf·ft)

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Maximum flow	2 x 266 L (70 gal)/min
Pilot pump	
Type	Gear pump
Maximum flow	19 L (5 gal)/min
Relief valve setting	
Implement	34.3/37.3 MPa (4,975 / 5,410 psi)
Travel circuit	34.3 MPa (4,975 psi)
Slew circuit	26.2 MPa (3,800 psi)
Pilot circuit	3.9 MPa (566 psi)
Hydraulic cylinders	
Boom Cylinder – Bore × Stroke	Φ140 × 1,342 mm (Φ5.5” ×4’ 5”)
Arm Cylinder – Bore × Stroke	Φ150 × 1,755 mm (Φ5.9” × 5’ 9”)
Bucket Cylinder – Bore × Stroke	Φ140 × 1,135 mm (Φ5.5” ×3’ 9”)

SOUND PERFORMANCE

Interior Sound Power Level (ISO 6396)	72 dB(A)
Exterior Sound Power Level (ISO 6395)	104 dB(A)

UNDERCARRIAGE

Track shoe each side	48
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

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.8 kW (10.4 hp)

SERVICE CAPACITIES

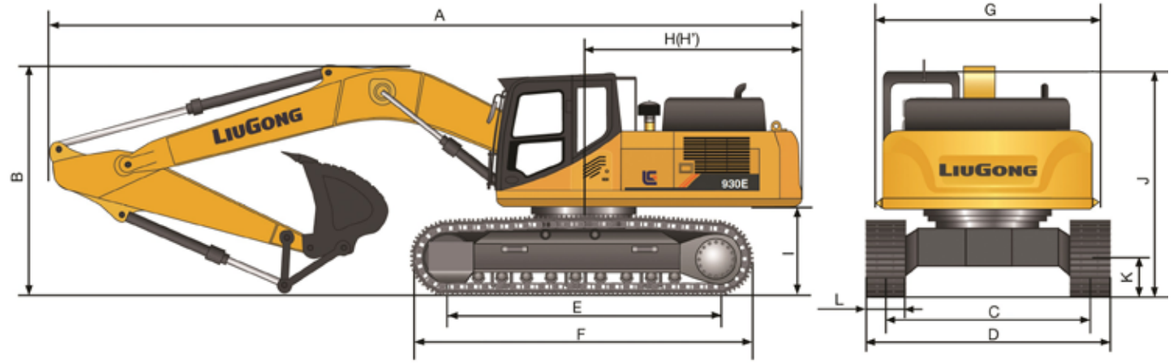
Fuel tank	520 L (137.4 gal)
Engine oil	23 L (6 gal)
Final drive (each)	9.5 L (2.5 gal)
Swing drive	10.5 L (2.8 gal)
Cooling system	35 L (9.2 gal)
Hydraulic reservoir	195 L (51.5 gal)
Hydraulic system total	360 L (95.1 gal)
DEF tank	56.8 L (15 gal)

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: 3.0 km/h (1.9 mph)
Gradeability	35°/70%
Max. drawbar pull	300 kN (67,442 lbf)



DIMENSIONS

Boom	6,200 mm (20’4”)	
Arm Options	3,050 mm (10’)	2,600 mm (8’6”)
A Shipping Length	10,650 mm (34’11”)	
B Shipping Height – Top of Boom	3,525 mm (11’7”)	
C Track Gauge	2,590 mm (8’6”)	
D Undercarriage Width – with 600 mm Shoes	3,190 mm (10’6”)	
700 mm Shoes	3,290 mm (10’10”)	
800 mm Shoes	3,390 mm (11’1”)	
900 mm Shoes	3,490 mm (11’5”)	
E Length to Center of Rollers	4,050 mm (13’3”)	
F Track Length	4,980 mm (16’4”)	
G Overall Width of Upper Structure*	3,163 mm (10’5”)	
H Tail Swing Radius	3,230 mm (10’7”)	
I Counterweight Ground Clearance	1,215 mm (4’)	
J Overall Height of Cab (with protective equipment)	3,325 mm (10’11”)	
K Min. Ground Clearance	500 mm (1’8”)	
L Track Shoe Width	600 mm (24”)	

*Including protective side beam

BOOM DIMENSIONS

Boom	6,200 mm (20’4”)
Length	6,420 mm (21’1”)
Height	1,788 mm (5’10”)
Width	942 mm (3’1”)
Weight	2,740 kg (6,041 lbs)

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

ARM DIMENSIONS

Arm	3,050 mm (10’)	2,600 mm (8’6”)
Length	4,222 mm (13’10”)	3,800 mm (12’6”)
Height	1,046 mm (3’5”)	1,052 mm (3’5”)
Width	542 mm (1’9”)	542 mm (1’9”)
Weight	1,700 kg (3,748 lbs)	1,650 kg (3,638 lbs)

Cylinder, linkage and pin included.

BUCKET SELECTION

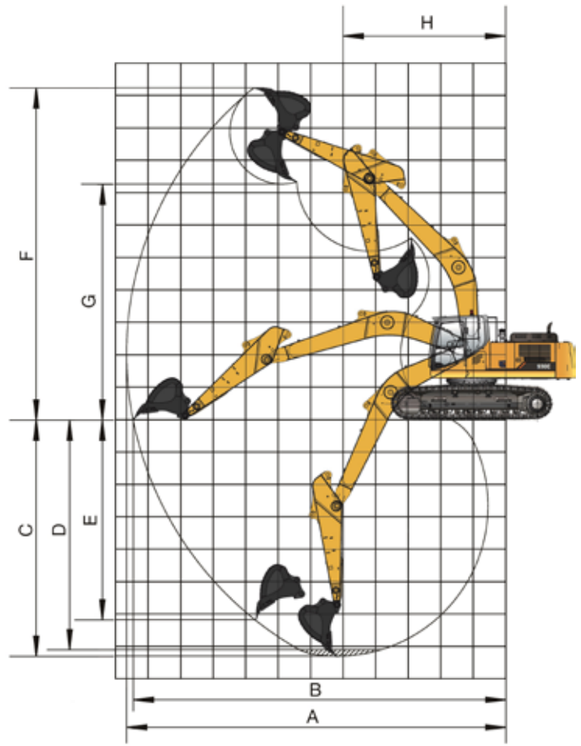
					Boom 6.2 m (20’4”)	
Bucket Type	Capacity	Cutting width	Weight	Teeth pcs	**Arm** 3.05 m (10’)	2.6 m (8’6”)
General Purpose	1.4 m^3 (1.83 yd^3)	1,400 mm (4’7”)	1,383 kg (3,049 lbs)	5	B	C
	1.6 m^3 (2.09 yd^3)	1,560 mm (5’1”)	1,480 kg (3,263 lbs)	5	NA	B
Heavy Duty	1.4 m^3 (1.83 yd^3)	1,400 mm (4’7”)	1,450 kg (3,197 lbs)	5	C	D
	1.6 m^3 (2.09 yd^3)	1,560 mm (5’1”)	1,550 kg (3,417 lbs)	5	NA	C

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

MACHINE WEIGHTS AND GROUND PRESSURE

	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
Shoe width	6.2 m (20’4”) boom, 3.05 m (10’) arm, 1.4 m^3 (1.83 yd^3) bucket, 5,500 kg (12,125 lbs) counterweight (other systems are standard configuration)			6.2 m (20’4”) boom, 2.6 m (8’6”) arm, 1.6 m^3, (2.09 yd^3) bucket, 5,500 kg (12,125 lbs) counterweight (other systems are standard configuration)		
600 mm (24”)	31,800 kg (70,107 lbs)	60 kPa (8.7 psi)	3,190 mm (10’6”)	31,850 kg (70,217 lbs)	60 kPa (8.7 psi)	3,190 mm (10’6”)
700 mm (28”)	32,100 kg (70,768 lbs)	51.5 kPa (7.5 psi)	3,290 mm (10’10”)	32,150 kg (70,879 lbs)	51.6 kPa (7.5 psi)	3,290 mm (10’10”)
800 mm (32”)	32,500 kg (71,650 lbs)	45.6 kPa (6.6 psi)	3,390 mm (11’1”)	32,550 kg (71,760 lbs)	45.7 kPa (6.6 psi)	3,390 mm (11’1”)
900 mm (35”)	32,900 kg (72,532 lbs)	41 kPa (5.9 psi)	3,490 mm (11’5”)	32,950 kg (72,642 lbs)	41.1 kPa (6.0 psi)	3,490 mm (11’5”)



WORKING RANGE

Boom Length		6,200 mm (20’4”)	
Arm Length		3,050 mm (10’)	2,600 mm (8’6”)
A. Max. Digging Reach		10,653 mm (34’11”)	10,250 mm (33’8”)
B. Max. Digging Reach on Ground		10,453 mm (34’4”)	10,032 mm (32’11”)
C. Max. Digging Depth		7,300 mm (23’11”)	6,825 mm (22’5”)
D. Max. Digging Depth, 2.44 m (8’) level		7,096 mm (23’3”)	6,590 mm (21’7”)
E. Max. Vertical Wall Digging Depth		6,216 mm (20’5”)	5,460 mm (17’11”)
F. Max. Cutting Height		10,300 mm (33’10”)	10,007 mm (32’10”)
G. Max. Dumping Height		7,265 mm (23’10”)	7,086 mm (23’3”)
H. Min. Front Swing Radius		4,040 mm (13’3”)	4,040 mm (13’3”)
Bucket Digging Force (ISO)	Normal	187 kN (42,039 lbf)	187 kN (42,039 lbf)
	Power Boost	203 kN (45,636 lbf)	203 kN (45,636 lbf)
Arm Digging Force (ISO)	Normal	137 kN (30,799 lbf)	152 kN (34,171 lbf)
	Power Boost	149 kN (33,497 lbf)	165 kN (37,094 lbf)
Bucket Capacity		1.4 m^3 (1.83 yd^3)	1.6 m^3 (2.09 yd^3)
Bucket Tip Radius		1,606 mm (5’3”)	1,606 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.

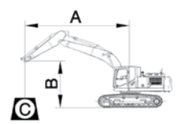
LIFTING CAPACITY (METRIC)

930E with 600 mm shoes, 2,600 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: 6,200 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

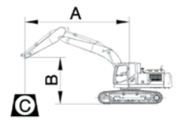
B (m)	3.0		4.5		6.0		7.5		MAX REACH		A (m)
7.5					*6,780	*6,780			*6,930	*6,930	6.6
6.0					*7,090	*7,090	*6,910	6,040	*6,920	5,910	7.6
4.5			*9,840	*9,840	*8,010	*8,010	*7,190	5,940	*7,050	5,210	8.2
3.0			*12,440	11,430	*9,200	7,780	*7,760	5,770	*6,960	4,780	8.6
1.5			*14,240	10,880	*10,250	7,470	*8,320	5,610	*7,490	4,700	8.6
GROUND LEVEL			*14,770	10,720	*10,860	7,300	*8,670	5,510	*7,750	4,800	8.4
-1.5	*12,960	*12,960	*14,430	10,760	*10,880	7,270	*8,580	5,510	*8,180	5,270	7.8
-3.0	*17,940	*17,940	*13,300	10,940	*10,130	7,380			*8,550	6,230	6.9
-4.5	*14,400	*14,400	*10,800	*10,800					*8,650	8,620	5.5

930E with 700 mm shoes, 2,600 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: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3.0		4.5		6.0		7.5		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs			Cf	Cs	
7.5					*6,780	*6,780			*6,930	*6,930	6.6
6.0					*7,090	*7,090	*6,910	6,120	*6,920	5,990	7.6
4.5			*9,840	*9,840	*8,010	*8,010	*7,190	6,010	*7,050	5,280	8.2
3.0			*12,440	11,590	*9,200	7,880	*7,760	5,850	*6,960	4,840	8.6
1.5			*14,240	11,040	*10,250	7,570	*8,320	5,690	*7,490	4,770	8.6
GROUND LEVEL			*14,770	10,880	*10,860	7,410	*8,670	5,590	*7,750	4,870	8.4
-1.5	*12,960	*12,960	*14,430	10,910	*10,880	7,380	*8,580	5,590	*8,180	5,340	7.8
-3.0	*17,940	*17,940	*13,300	11,090	*10,130	7,490			*8,550	6,320	6.9
-4.5	*14,400	*14,400	*10,800	*10,800					*8,650	*8,650	5.5

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.

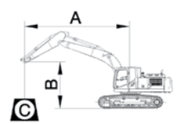
LIFTING CAPACITY (METRIC)

930E with 800 mm shoes, 2,600 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: 6,200 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

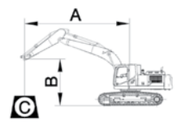
B (m)	3.0		4.5		6.0		7.5		MAX REACH		A (m)
7.5					*6,780	*6,780			*6,930	*6,930	6.6
6.0					*7,090	*7,090	*6,910	6,240	*6,920	6,110	7.6
4.5			*9,840	*9,840	*8,010	*8,010	*7,190	6,130	*7,050	5,380	8.2
3.0			*12,440	11,820	*9,200	8,040	*7,760	5,970	*6,960	4,940	8.6
1.5			*14,240	11,270	*10,250	7,730	*8,320	5,810	*7,490	4,870	8.6
GROUND LEVEL			*14,770	11,110	*10,860	7,560	*8,670	5,710	*7,750	4,980	8.4
-1.5	*12,960	*12,960	*14,430	11,140	*10,880	7,530	*8,580	5,710	*8,180	5,460	7.8
-3.0	*17,940	*17,940	*13,300	11,320	*10,130	7,650			*8,550	6,450	6.9
-4.5	*14,400	*14,400	*10,800	*10,800					*8,650	*8,650	5.5

930E with 900 mm shoes, 2,600 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: 6,200 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 900 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3.0		4.5		6.0		7.5		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs			Cf	Cs	
7.5					*6,780	*6,780			*6,930	*6,930	6.6
6.0					*7,090	*7,090	*6,910	6,370	*6,920	6,240	7.6
4.5			*9,840	*9,840	*8,010	*8,010	*7,190	6,270	*7,050	5,500	8.2
3.0			*12,440	12,070	*9,200	8,210	*7,760	6,100	*6,960	5,060	8.6
1.5			*14,240	11,530	*10,250	7,910	*8,320	5,940	*7,490	4,980	8.6
GROUND LEVEL			*14,770	11,360	*10,860	7,740	*8,670	5,840	*7,750	5,090	8.4
-1.5	*12,960	*12,960	*14,430	11,400	*10,880	7,710	*8,580	5,840	*8,180	5,590	7.8
-3.0	*17,940	*17,940	*13,300	11,580	*10,130	7,820			*8,550	6,590	6.9
-4.5	*14,400	*14,400	*10,800	*10,800					*8,650	*8,650	5.5

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.

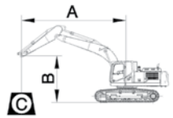
LIFTING CAPACITY (METRIC)

930E with 600 mm shoes, 3,050 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: 6,200 mm
Arm length: 3,050 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

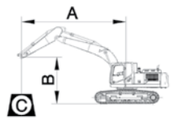
B (m)	3		4.5		6.0		7.5		9.0		MAX REACH		A (m)
6.0					*6,510	*6,510	*7,940	6,080			*5,880	5,380	8.1
4.5			*8,970	*8,970	*7,480	*7,480	*6,780	5,960			*5,760	4,770	8.7
3.0			*11,630	*11,630	*8,740	7,840	*7,410	5,770	*5,900	4,470	*5,900	4,470	9.0
1.5			*13,750	11,020	*9,920	7,510	*8,060	5,600	*6,640	4,400	*6,640	4,400	9.0
GROUND LEVEL			*14,670	10,750	*10,690	7,300	*8,520	5,480			*7,130	4,480	8.8
-1.5	*12,340	*12,340	*14,640	10,730	*10,900	7,230	*8,610	5,440			*7,650	4,820	8.3
-3.0	*19,230	*19,230	*13,770	10,850	*10,420	7,300	*7,940	5,530			*7,940	5,530	7.5
-4.5	*16,070	*16,070	*11,770	11,140	*8,640	7,540					*8,210	7,240	6.2

930E with 700 mm shoes, 3,050 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: 6,200 mm
Arm length: 3,050 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3.0		4.5		6.0		7.5		9.0		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs			Cf	Cs	
6.0					*6,510	*6,510	*6,370	6,160			*5,880	5,460	8.1
4.5			*8,970	*8,970	*7,480	*7,480	*6,780	6,030			*5,760	4,840	8.7
3.0			*11,630	*11,630	*8,740	7,940	*7,410	5,850	*5,900	4,530	*5,900	4,530	9.0
1.5			*13,750	11,170	*9,920	7,610	*8,060	5,680	*6,640	4,460	*6,640	4,460	9.0
GROUND LEVEL			*14,670	10,910	*10,690	7,410	*8,520	5,560			*7,130	4,550	8.8
-1.5	*12,340	*12,340	*14,640	10,880	*10,900	7,340	*8,610	5,520			*7,650	4,890	8.3
-3.0	*19,230	*19,230	*13,770	11,010	*10,420	7,400	*7,940	5,610			*7,940	5,610	7.5
-4.5	*16,070	*16,070	*11,770	11,300	*8,640	7,640					*8,210	7,340	6.2

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.

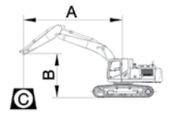
LIFTING CAPACITY (METRIC)

930E with 800 mm shoes, 3,050 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: 6,200 mm
Arm length: 3,050 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

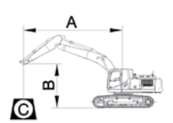
B (m)	3		4.5		6.0		7.5		9.0		MAX REACH		A (m)
6.0					*6,510	*6,510	*6,370	6,280			*5,880	5,570	8.1
4.5			*8,970	*8,970	*7,480	*7,480	*6,780	6,150			*5,760	4,940	8.7
3.0			*11,630	*11,630	*8,740	8,100	*7,410	5,970	*5,900	4,630	*5,900	4,630	9.0
1.5			*13,750	11,400	*9,920	7,770	*8,060	5,800	*6,640	4,560	*6,640	4,560	9.0
GROUND LEVEL			*14,670	11,140	*10,690	7,560	*8,520	5,680			*7,130	4,650	8.8
-1.5	*12,340	*12,340	*14,640	11,110	*10,900	7,500	*8,610	5,640			*7,650	5,000	8.3
-3.0	*19,230	*19,230	*13,770	11,240	*10,420	7,560	*7,940	5,730			*7,940	5,730	7.5
-4.5	*16,070	*16,070	*11,770	11,530	*8,640	7,800					*8,210	7,500	6.2

930E with 900 mm shoes, 3,050 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: 6,200 mm
Arm length: 3,050 mm
Bucket: None
Counterweight: 5,500 kg
Shoes: 900 mm triple grouser
Unit: kg



A (Unit: m)

B (m)	3.0		4.5		6.0		7.5		9.0		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs			Cf	Cs	
6.0					*6,510	*6,510	*6,370	*6,370			*5,880	5,690	8.1
4.5			*8,970	*8,970	*7,480	*7,480	*6,780	6,290			*5,760	5,050	8.7
3.0			*11,630	*11,630	*8,740	8,270	*7,410	6,110	*5,900	4,730	*5,900	4,730	9.0
1.5			*13,750	11,660	*9,920	7,940	*8,060	5,930	*6,640	4,660	*6,640	4,660	9.0
GROUND LEVEL			*14,670	11,400	*10,690	7,740	*8,520	5,810			*7,130	4,760	8.8
-1.5	*12,340	*12,340	*14,640	11,370	*10,900	7,670	*8,610	5,780			*7,650	5,110	8.3
-3.0	*19,230	*19,230	*13,770	11,490	*10,420	7,730	*7,940	5,870			*7,940	5,870	7.5
-4.5	*16,070	*16,070	*11,770	*11,770	*8,640	7,980					*8,210	7,660	6.2

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)

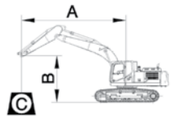
1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. 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 (IMPERIAL)

930E with 24” shoes, 8’6” 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: 20’4”
Arm length: 8’6”
Bucket: None
Counterweight: 12,125 lbs
Shoes: 24” triple grouser
Unit: lbs



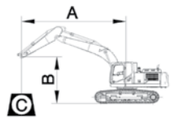
A (Unit: ft)

B (ft)	10		15		20		25		MAX REACH		
											A (ft)
25					*14,947	*14,947			*15,278	*15,278	21.7
20					*15,631	*15,631	*15,234	13,316	*15,256	13,029	24.9
15			*21,693	*21,693	*17,659	*17,659	*15,851	13,095	*15,543	11,486	26.9
10			*27,426	25,199	*20,283	17,152	*17,108	12,721	15,344	10,538	28.2
5			*31,394	23,986	*22,597	16,469	*18,342	12,368	16,513	10,362	28.2
GROUND LEVEL			*32,562	23,634	*23,942	16,094	*19,114	12,147	17,086	10,582	27.6
-5	*28,572	*28,572	*31,813	23,722	*23,986	16,028	*18,916	12,147	18,034	11,618	25.6
-10	*39,551	*39,551	*29,321	24,119	*22,333	16,270			18,850	13,735	22.6
-15	*31,747	*31,747	*23,810	*23,810					*19,070	19,004	18.0

930E with 28” shoes, 8’6” 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: 20’4”
Arm length: 8’6”
Bucket: None
Counterweight: 12,125 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					*14,947	*14,947			*15,278	*15,278	21.7
20					*15,631	*15,631	*15,234	13,492	*15,256	13,206	24.9
15			*21,693	*21,693	*17,659	*17,659	*15,851	13,250	*15,543	11,640	26.9
10			*27,426	25,552	*20,283	17,372	*17,108	12,897	15,344	10,670	28.2
5			*31,394	24,339	*22,597	16,689	*18,342	12,544	16,513	10,516	28.2
GROUND LEVEL			*32,562	23,986	*23,942	16,336	*19,114	12,324	17,086	10,737	27.6
-5	*28,572	*28,572	*31,813	24,052	*23,986	16,270	*18,916	12,324	18,034	11,773	25.6
-10	*39,551	*39,551	*29,321	24,449	*22,333	16,513			18,850	13,933	22.6
-15	*31,747	*31,747	*23,810	*23,810					*19,070	*19,070	18.0

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)

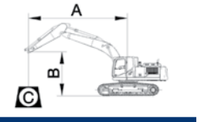
1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. 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 (IMPERIAL)

930E with 32” shoes, 8’6” 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: 20’4”
Arm length: 8’6”
Bucket: None
Counterweight: 12,125 lbs
Shoes: 32” triple grouser
Unit: lbs



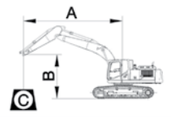
A (Unit: ft)

B (ft)	10		15		20		25		MAX REACH		
											A (ft)
25					*14,947	*14,947			*15,278	*15,278	21.7
20					*15,631	*15,631	*15,234	13,757	*15,256	13,470	24.9
15			*21,693	*21,693	*17,659	*17,659	*15,851	13,514	*15,543	11,861	26.9
10			*27,426	26,059	*20,283	17,725	*17,108	13,162	15,344	10,891	28.2
5			*31,394	24,846	*22,597	17,042	*18,342	12,809	16,513	10,737	28.2
GROUND LEVEL			*32,562	24,493	*23,942	16,667	*19,114	12,588	17,086	10,979	27.6
-5	*28,572	*28,572	*31,813	24,560	*23,986	16,601	*18,916	12,588	18,034	12,037	25.6
-10	*39,551	*39,551	*29,321	24,956	*22,333	16,865			18,850	14,220	22.6
-15	*31,747	*31,747	*23,810	*23,810					*19,070	*19,070	18.0

930E with 35” shoes, 8’6” 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: 20’4”
Arm length: 8’ 6”
Bucket: None
Counterweight: 12,125 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					*14,947	*14,947			*15,278	*15,278	21.7
20					*15,631	*15,631	*15,234	14,043	*15,256	13,757	24.9
15			*21,693	*21,693	*17,659	*17,659	*15,851	13,823	*15,543	12,125	26.9
10			*27,426	26,610	*20,283	18,100	*17,108	13,448	15,344	11,155	28.2
5			*31,394	25,419	*22,597	17,439	*18,342	13,095	16,513	10,979	28.2
GROUND LEVEL			*32,562	25,045	*23,942	17,064	*19,114	12,875	17,086	11,222	27.6
-5	*28,572	*28,572	*31,813	25,133	*23,986	16,998	*18,916	12,875	18,034	12,324	25.6
-10	*39,551	*39,551	*29,321	25,530	*22,333	17,240			18,850	14,528	22.6
-15	*31,747	*31,747	*23,810	*23,810					*19,070	*19,070	18.0

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.

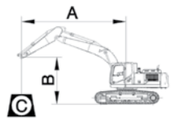
LIFTING CAPACITY (IMPERIAL)

930E with 24" shoes, 10' 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: 20'4"
Arm length: 10'
Bucket: None
Counterweight: 12,125 lbs
Shoes: 24" triple grouser
Unit: lbs



A (Unit: ft)

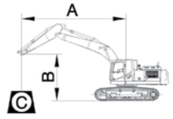
B (ft)	10		15		20		25		30		MAX REACH		A (ft)
20					*14,352	*14,352	*17,505	13,404			*12,963	11,861	26.6
15			*19,775	*19,775	*16,491	*16,491	*14,947	13,140			*12,699	10,516	28.5
10			*25,640	*25,640	*19,268	17,284	*16,336	12,721	*13,007	9,855	*13,007	9,855	29.5
5			*30,314	24,295	*21,870	16,557	*17,769	12,346	*14,639	9,700	*14,639	9,700	29.5
GROUND LEVEL			*32,342	23,700	*23,567	16,094	*18,783	12,081			*15,719	9,877	28.9
-5	*27,205	*27,205	*32,276	23,656	*24,030	15,939	*18,982	11,993			*16,865	10,626	27.2
-10	*42,395	*42,395	*30,358	23,920	*22,972	16,094	*17,505	12,192			*17,505	12,192	24.6
-15	*35,428	*35,428	*25,948	24,560	*19,048	16,623					*18,100	15,961	20.3

930E with 28" shoes, 10' 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: 20'4"
Arm length: 10'
Bucket: None
Counterweight: 12,125 lbs
Shoes: 28" triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20					*14,352	*14,352	*14,043	13,580			*12,963	12,037	26.6
15			*19,775	*19,775	*16,491	*16,491	*14,947	13,294			*12,699	10,670	28.5
10			*25,640	*25,640	*19,268	17,505	*16,336	12,897	*13,007	9,987	*13,007	9,987	29.5
5			*30,314	24,626	*21,870	16,777	*17,769	12,522	*14,639	9,833	*14,639	9,833	29.5
GROUND LEVEL			*32,342	24,052	*23,567	16,336	*18,783	12,258			*15,719	10,031	28.9
-5	*27,205	*27,205	*32,276	23,986	*24,030	16,182	*18,982	12,170			*16,865	10,781	27.2
-10	*42,395	*42,395	*30,358	24,273	*22,972	16,314	*17,505	12,368			*17,505	12,368	24.6
-15	*35,428	*35,428	*25,948	24,912	*19,048	16,843					*18,100	16,182	20.3

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.

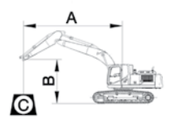
LIFTING CAPACITY (IMPERIAL)

930E with 32" shoes, 10' 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: 20'4"
Arm length: 10'
Bucket: None
Counterweight: 12,125 lbs
Shoes: 32" triple grouser
Unit: lbs



A (Unit: ft)

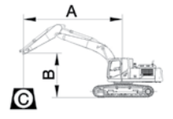
B (ft)	10		15		20		25		30		MAX REACH		A (ft)
20					*14,352	*14,352	*14,043	*13,845			*12,963	12,280	26.6
15			*19,775	*19,775	*16,491	*16,491	*14,947	*13,558			*12,699	10,891	28.5
10			*25,640	*25,640	*19,268	17,857	*16,336	13,162	*13,007	10,207	*13,007	10,207	29.5
5			*30,314	25,133	*21,870	17,130	*17,769	12,787	*14,639	10,053	*14,639	10,053	29.5
GROUND LEVEL			*32,342	24,560	*23,567	16,667	*18,783	12,522			*15,719	10,251	28.9
-5	*27,205	*27,205	*32,276	24,493	*24,030	16,535	*18,982	12,434			*16,865	11,023	27.2
-10	*42,395	*42,395	*30,358	24,780	*22,972	16,667	*17,505	12,632			*17,505	12,632	24.6
-15	*35,428	*35,428	*25,948	25,419	*19,048	17,196					*18,100	16,535	20.3

930E with 35" shoes, 10' 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: 20'4"
Arm length: 10'
Bucket: None
Counterweight: 12,125 lbs
Shoes: 35" triple grouser
Unit: lbs



A (Unit: ft)

B (ft)	10		15		20		25		30		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20					*14,352	*14,352	*14,043	*14,043			*12,963	12,544	26.6
15			*19,775	*19,775	*16,491	*16,491	*14,947	13,867			*12,699	11,133	28.5
10			*25,640	*25,640	*19,268	18,232	*16,336	13,470	*13,007	10,428	*13,007	10,428	29.5
5			*30,314	25,706	*21,870	17,505	*17,769	13,073	*14,639	10,274	*14,639	10,274	29.5
GROUND LEVEL			*32,342	25,133	*23,567	17,064	*18,783	12,809			*15,719	10,494	28.9
-5	*27,205	*27,205	*32,276	25,067	*24,030	16,909	*18,982	12,743			*16,865	11,266	27.2
-10	*42,395	*42,395	*30,358	25,331	*22,972	17,042	*17,505	12,941			*17,505	12,941	24.6
-15	*35,428	*35,428	*25,948	*25,948	*19,048	17,593					*18,100	16,887	20.3

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

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

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

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

DIGGING EQUIPMENT
- 6,200 mm (20’ 4”) boom
- 3,050 mm (10”) arm
- 1.4 m^3 (1.83 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
- Roll-Over Protective System (ROPS)
- Skylight rooftop
- Air conditioner, heater, defroster
- Swing parking brake
- AM/FM radio with MP3 audio jack
- Glass-breaking hammer
- Ashtray, 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 12 V
- Working lights, 1 frame mounted, 2 boom mounted
- Starting, 24 V

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

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

OTHER STANDARD EQUIPMENT
- 5,500 kg (12,125 lbs) counterweight
- Maintenance tool kit
- Maintenance parts package

OPTIONAL EQUIPMENT

ENGINE SYSTEM
- Electrical fuel refilling pump
- Overload alarm

HYDRAULIC SYSTEM
- Control pattern change valve
- Hydraulic lines:
  Breaker & shear
  Slope & rotator
  Grapple
  Oil drain line
  Quick coupler
- Hydraulic quick coupler
- Swing cushion valve

OPERATOR STATION
- Power outlet 24 V to 12 V converter
- 4 LED cab top lights
- Working lights on cab (2 on top-front cab)
- Rear view camera 5.7” monitor
- Air suspension seat
- Control joysticks with 2 switch & 1 proportional
- Safety net for front window
- Rain visor
- Travel alarm (alarm during machine travel)
- Rotating beacon (top cab mounted, for caution, switch in cab)
- Operation protection guard, included cab front and top guard, bar (FOPS Level II, Standard ISO 10262: 1998)
- Operation protection screen (on cab front, net)
- Operation protection screen (front-lower)
- Lower-front guard screen

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

UNDERCARRIAGE
- 700 mm (28”), 800 mm (32”), 900 mm (35”) track-shoes with triple grousers
- 3 piece track-guards (each side)

DIGGING EQUIPMENT
- 10,350 mm (33’11“) boom
- 2.6 m (8’6”) arm, 7,800 mm (25’ 7”) arm
- 1.6 m^3 (2.09 yd^3) (930E, SAE, heaped) bucket
- 0.5 m^3 (0.7 yd^3),1.9 m^3 (2.49 yd^3) (SAE, heaped) bucket

LIUGONG

TOUGH WORLD. TOUGH EQUIPMENT.

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