

Engine

Cummins QSB6.7, Tier 4 Final / Stage IV

Net Power

156 kW (212 Hp)

Operating Weight

31800 kg

Bucket Capacity

1.4-1.6 m³

930E

EXCAVATOR



TOUGH WORLD. TOUGH EQUIPMENT.

A POWERFUL VISION

Today, **LiuGong is a leader in China's construction equipment industry and is one of the fastest growing construction equipment companies in the world**, providing customers with quality, reliable support across a wide range of equipment.



INNOVATIVE FROM THE START

Innovation drives industries forward and LiuGong has been **driving innovation for nearly 60 years**.

An 110,000m² Global Research & Development Centre in Liuzhou, China is equipped with world-class technology and run by industry experts including around 1,000 R&D engineers.

In addition to the Liuzhou facility LiuGong operates world-class R&D facilities in Poland, India, the United States and the United Kingdom, supporting their global vision of excellence.

Emphasis on quality is reflected in LiuGong's Six Sigma quality methodology and compliance with ISO 9000 standards.

LiuGong has established joint venture partnerships with some of the industry's best known names including:

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

WE ARE LIUGONG



*Product not available in North America

WHAT MAKES LIUGONG A LEADER?

Innovation and manufacturing excellence for almost 60 years

LiuGong built China's first modern wheel loader and continues to embrace its commitment to innovation by combining decades of know-how with leading technology from the world's best component suppliers.

LiuGong has established centers of excellence around the globe to guarantee service and support and ensure their customers can work efficiently and

productively. LiuGong manufacture at 20 plants and have offices across all major regions of the world including Europe, North America, South America, Asia-Pacific, India, the Middle-East, South Africa and Russia.

An extensive network of regional parts depots operate around the globe to ensure customers receive the support they have come to expect from LiuGong.


8,000+
Employees


20
Factories


10
Global offices


2,650+
Sales outlets


1,000+
R&D engineers


5
R&D facilities


9
Regional parts depots


Nearly 60
Years' experience

EFFICIENCY, PRECISION & VERSATILITY

LiuGong E series excavators deliver the **perfect balance** of performance, precision and quality. The 930E model is powered by the latest generation, low emission Cummins QSB 6.7 engine, with enhanced power output, **improved breakout force** and faster cycle times.

A POWERFUL ENGINE

The 930E's Cummins engine meets strict EPA Tier4F/EU Stage 4 emissions standards, delivering the greatest possible fuel economy without compromising on power.

The QSB 6.7 engine employs a proven cooled-EGR system and the latest AdBlue technology, complemented by Cummins' patented VGT™ Turbocharger, which precisely adjusts the airflow delivered to the engine increasing performance and improving fuel economy.

ADVANCED HYDRAULIC SYSTEM

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

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

INTELLIGENT POWER CONTROL

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

The new-generation computer-aided IPC system harnesses the mechanical, electrical and hydraulic systems of the 930E to work in perfect harmony for efficiency, precision and control. When the working load increases, engine power and hydraulic pump flow respond to meet the demands of the job.

ENGINE WORK MODES

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



Power



Economy



Fine



Lifting



Breaker



Attachment

AUTOMATED FUNCTIONS

The 930E maximizes fuel economy by regulating its idle speed. If for just one second there is no hydraulic request signal detected from the joystick, the engine speed is automatically dropped by 100 RPM. If no activity is detected over three seconds the engine speed will decrease to idle. As soon

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

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



DESIGNED TO GET MORE DONE

The 930E is designed to **get more done** in less time. Featuring a stronger boom arm and bucket breakout force, greater hydraulic flow, higher swing speeds and improved cycle times, this excavator will **power through any task** in any terrain.

POWERFUL PERFORMANCE

The Cummins QSB 6.7 engine produces net power of 156 kW (212 hp). LiuGong has harnessed this power for the six working modes of the 930E excavator. Perfectly match these work modes to the job at hand and even the least experienced of the operators will find they can work faster and complete more in less time.

OPTIMIZED HYDRAULICS

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

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

IMPROVED MACHINE DESIGN

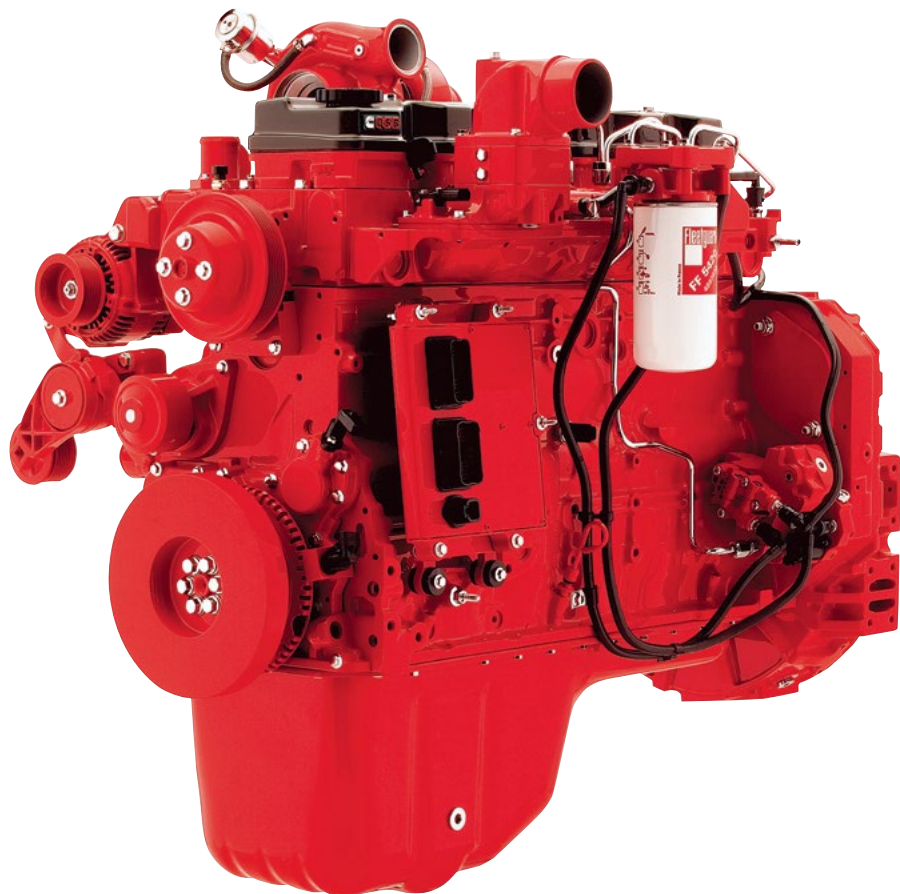
The 930E's tough and reliable structure provides increased strength, reduced wear, and improved transmission of power to the ground drive.

QUICK-CHANGE ATTACHMENTS

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

OPERATOR FRIENDLY ENVIRONMENT

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



ALWAYS STRONG ALWAYS RELIABLE

The use of thick, high-tensile steel components, internal baffling and stress-relieved plates, make the structures on LiuGong E-series excavators **tough and durable**.

We guarantee the **quality and reliability** of our machines throughout the manufacturing process by conducting stringent tests and ultrasound inspections that detect defects well before they make it into production.



BOOM & ARM

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

UPPER STRUCTURE

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

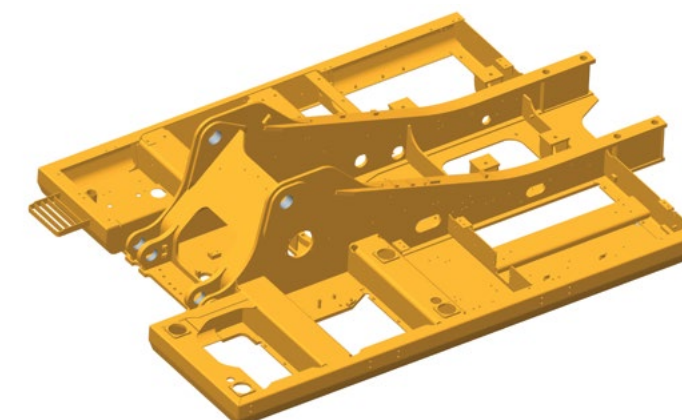
The platform's collision protection system has been welded into place to improve its strength, rigidity and overall service life.



UNDERCARRIAGE

The high-strength undercarriage of the 930E incorporates a welded X-frame construction for long life durability and is designed to perform in the most challenging applications.

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



ALL ROUND COMFORT

In the 930E cab, you're working in complete **comfort** with outstanding **visibility** all around. We understand how operators like to work and have designed the cab for **maximum comfort** and ultimate productivity.

AT HOME IN THE CAB

The 930E's oversized cab is spacious and has all the key features to make excavator operation as safe and comfortable as possible, boosting operator efficiency shift after shift.

The E-series cab is designed to reduce noise and vibration, putting operators first. Convenient additions include cup holders, an AM/FM radio and MP3 player, refrigerated storage and personal luggage compartment. The cab is also fitted with a roof skylight that can be opened or closed as the operator chooses.

ADVANCED CLIMATE CONTROL

An advanced climate control system creates the right environment in any weather, all year round, while dust is eliminated thanks to the complete sealing of the pressurized cab.

ERGONOMIC EXCELLENCE

LiuGong has carefully designed the cab controls to be perfectly positioned, right where you need them.

All hand and foot controls are precisely positioned, and within easy reach. In addition, the multi-adjustable, air-suspension seat has an option for electric heating.



LARGE LCD MONITOR

The easy-to-read, full-color LCD monitor displays all the critical information you need about the machine, including working mode, hydraulic oil temperature, hydraulic pressure and service intervals.

BROAD VISION ALL ROUND

The cab design features a large glass surface for exceptional jobsite visibility. With the addition of an optional rear-view camera, the operator can easily see safely all around the 930E.



SERVICING MADE EASY

LiuGong excavators have been **specifically designed** for easy service and maintenance in even the most remote and harsh environments.

PRACTICAL SERVICING

If servicing is easy, it gets done. Optimal design and layout of all maintenance features makes it easy for the operator to complete essential servicing tasks.

An automatic greasing system makes daily maintenance easy, helping to lower maintenance costs and improve machine productivity. The automatic system improves bearing life and reduces repairs by delivering frequent and exact amounts of grease to each bearing.

The 930E is designed with easily accessible service points:

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

ON BOARD MONITORING

Through the LCD display, the operator can easily check oil temperatures and pressure levels, receive service interval alerts and access other information that contributes to proactive maintenance and servicing of the machine.



PART OF YOUR PERFORMANCE



We know that confidence in your machine and those who support it is essential. So at LiuGong, we make sure we can always get what you need without delay, via our nine global parts depots, and the support of our network of local dealers across 130 countries worldwide.

LiuGong engineering sets high standards and all parts are rigorously tested to ensure they can meet the rigid quality specifications required for long lasting performance.

No matter where you are in the world, we can ensure fast and efficient parts support to keep you going.

READY FOR ANY JOB

LiuGong provides a range of purpose designed attachments, hitches and tools for your 930E to give you increased versatility for any job site. In-cab dial-in hydraulic flow settings through the display screen optimizes the attachment performance.



BUCKETS



QUICK COUPLER



TILT COUPLER



BREAKER



SHEAR

UNBEATABLE RETURN ON YOUR INVESTMENT

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

DEPENDABLE POWER

Unmatched performance driven by the Cummins QSB 6.7 Tier 4 Final Engine, maximizes torque output with more power and breakout force at lower engine speeds.

IPC (INTELLIGENT POWER CONTROL)

This system ensures the mechanical, electrical and hydraulic systems work in perfect harmony for efficient, precise control.

AUTO-IDLE SPEED FUNCTION

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

VERSATILITY

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

BOOM AND ARM

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

UNDERCARRIAGE

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

REAR VIEW CAMERA

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

PARTS

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

AFTER SALES SERVICE

With over 2,650 outlets, you can feel confident that LiuGong dealers and regional offices will be there to support you with training, service and maintenance and expert advice for the life of your machine.





WHERE YOU NEED US WHEN YOU NEED US

We are there, where you need us, when you need us. LiuGong is **committed** to providing you with **tough equipment** backed by dependable support you can count on.

GLOBAL NETWORK

LiuGong offers local support through an extensive dealer network in more than 130 countries. Our dealers and customers are supported by 10 regional subsidiaries and 9 global parts centers, all offering expert training, parts and service support.

PROFESSIONAL ADVICE

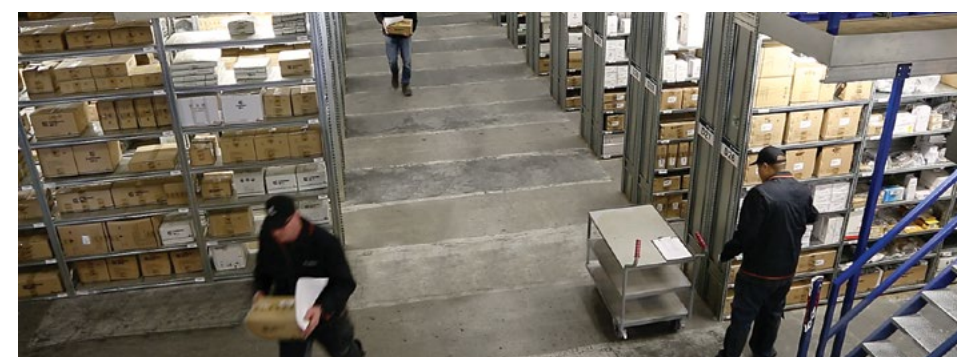
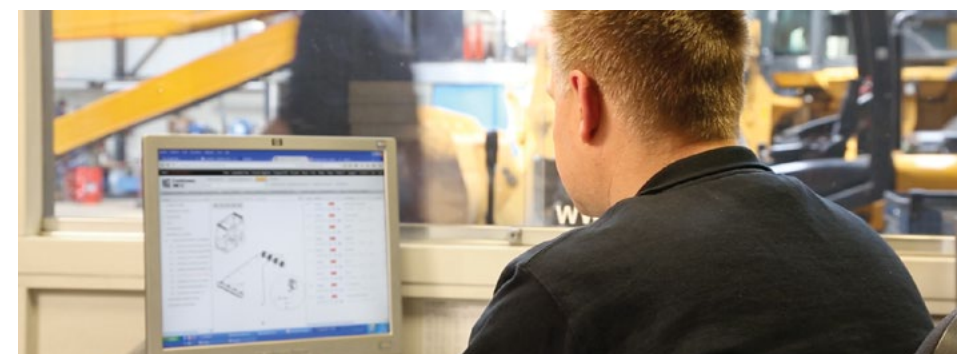
We are committed to reducing your total cost of ownership and increasing your profits. As part of this, LiuGong's experts will provide targeted advice on everything from choosing the right machine for your needs to maximizing its efficiency on site.

AFTERSALES EXPERIENCE

LiuGong supports you long after your purchase. With over 2,650 outlets, you can be confident we have the backup you need to maximize your machine's uptime whilst keeping your running costs down. A worldwide parts network will help make maintenance easy and parts available where and when you need them.

SERVICE AGREEMENTS

Take control of your costs by utilizing LiuGong's customer-focused service agreements. Talk to us today.



We are committed to reducing your total cost of ownership and increasing your profits.

SAFETY YOU CAN COUNT ON

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

SAFETY STANDARDS

LiuGong excavators are certified to European CE standards and meet ISO safety standards.

ROLL OVER PROTECTION SYSTEM

The cab's high-strength ROPS ensures operator protection in a worst-case scenario.

FALLING OBJECT PROTECTION SYSTEM

In the extreme environments the 930E is designed to work in, the choice of Falling Object Protection (FOPS) is an invaluable addition to operator safety.

ALL-ROUND VISION

The large glass surface area of the E-series cab, combined with the optional rear view camera, provides an extraordinary view of the 930E's surroundings. This ensures the operator is always aware of the immediate environment while adding LED work lights provides clearer vision on jobsites.

SAFE ENTRY

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





SPECIFICATIONS

ENGINE		
Description		
Cummins EPA Tier 4 final / EU Stage IV, 6.7 liter, inline 6-cylinder turbocharged diesel engine, with CAC, high pressure common rail, electronically controlled direct injection		
Emission rating	Tier 4 Final / Stage IV	
Engine manufacturer	Cummins	
Engine model	QSB 6.7	
Aspiration	Variable-Geometry Turbocharger (VGT)	
Charged air cooling	Aftercooler	
Cooling fan drive	Viscous clutch	
Displacement	L	6.7
Rated speed	rpm	2200
Engine output - net	kW	156
Engine output - gross	kW	168
Maximum torque	949 N·M @ 1500 rpm	
Bore × Stroke	mm	107 × 124

HYDRAULIC SYSTEM		
Main pump		
Type	Two variable displacement piston pumps	
Maximum flow	L/min	2 × 266
Pilot pump		
Type	Gear pump	
Maximum flow	L/min	19
Relief valve setting		
Implement	MPa	34.3 / 37.3
Travel circuit	MPa	34.3
Slew circuit	MPa	26.2
Pilot circuit	MPa	3.9
Hydraulic cylinders		
Boom Cylinder – Bore × Stroke	mm	Φ140 × 1342
Stick Cylinder – Bore × Stroke	mm	Φ150 × 1755
Bucket Cylinder – Bore × Stroke	mm	Φ140 × 1135

UNDERCARRIAGE		
Track shoe each side		
		48
Link pitch	mm	216
Shoe width, triple grouser	mm	600 / 700 / 800 / 900
Bottom rollers each side	9	
Top rollers each side	2	

SWING SYSTEM		
Description		
The high-torque piston swing motor, with integral spring set, and automatic hydraulic release swing brake, is bolted directly to the swing reduction planetary swing gear box. The swing brake automatically resets for safer operation within five seconds of the swing function lever being brought to neutral. This ensures safe travel and parking conditions.		
Swing speed	rpm	10.3
Swing torque	N·m	105000

DRIVE AND BRAKES		
Description		
Driven by a one-piece two-gear piston hydraulic motor and reducer with small volume and strong traction, the motor and hydraulic pipelines are hidden in the track mechanism to prevent damage from rugged road surfaces, parking brake and shock-absorbing valve are installed inside the motor, ensuring stable travelling and parking as well as reliable braking.		
Max. travel speed	km/h	High: 5.5 Low: 3.0
Gradeability	35° / 70%	
Max. drawbar pull	kN	300

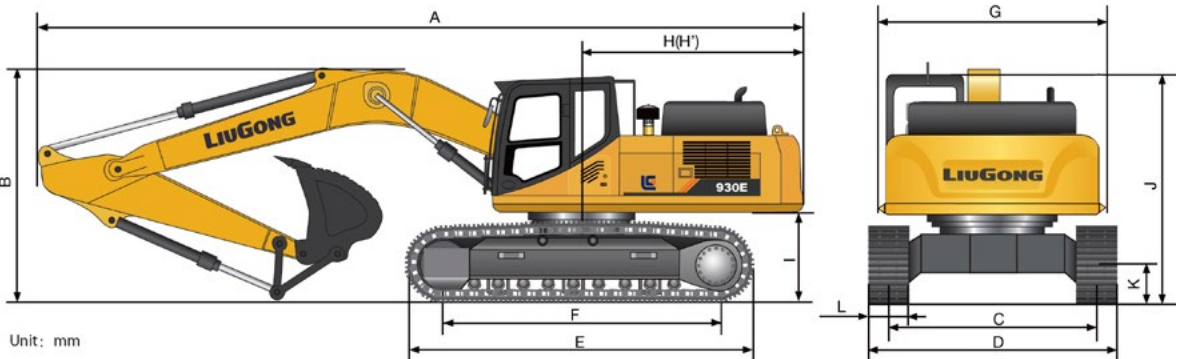
SERVICE CAPACITIES		
Fuel tank		
L		520
Engine oil		
L		23
Final drive (each)		
L		9.5
Swing drive		
L		10.5
Cooling system		
L		35
Hydraulic reservoir		
L		195
Hydraulic system total		
L		360
DEF tank		
L		35

ELECTRIC SYSTEM	
System voltage	
24 V	
Batteries	
2 x 12 V	
Alternator	
24V - 70A	
Starter motor	
24V - 7.8 kW	
SOUND PERFORMANCE	
Interior sound level (ISO 6396)	
70 dB(A)	
Exterior sound level (ISO 6395)	
103 dB(A)	





SPECIFICATIONS



DIMENSIONS			
	UNIT	930E	
Boom	m	6.2	
Arm options	m	3.05	2.6
A Shipping length	mm	10650	10650
B Shipping height – top of boom	mm	3525	3645
C Track gauge	mm	2590	2590
D Undercarriage width-600 mm shoes	mm	3190	3190
700mm shoes	mm	3290	3290
800mm shoes	mm	3390	3390
900mm shoes	mm	3490	3490
E Track length	mm	4980	4980
F Length to center of rollers	mm	4050	4050
G Overall width of upper structure	mm	3163(including protective side beam)	3163(including protective side beam)
H Tail swing radius	mm	3230	3230
I Counterweight ground clearance	mm	1215	1215
J Overall height of cab	mm	3325 (with protective equipment)	3325 (with protective equipment)
K Min. ground clearance	mm	500	500
L Track shoe width	mm	600	600

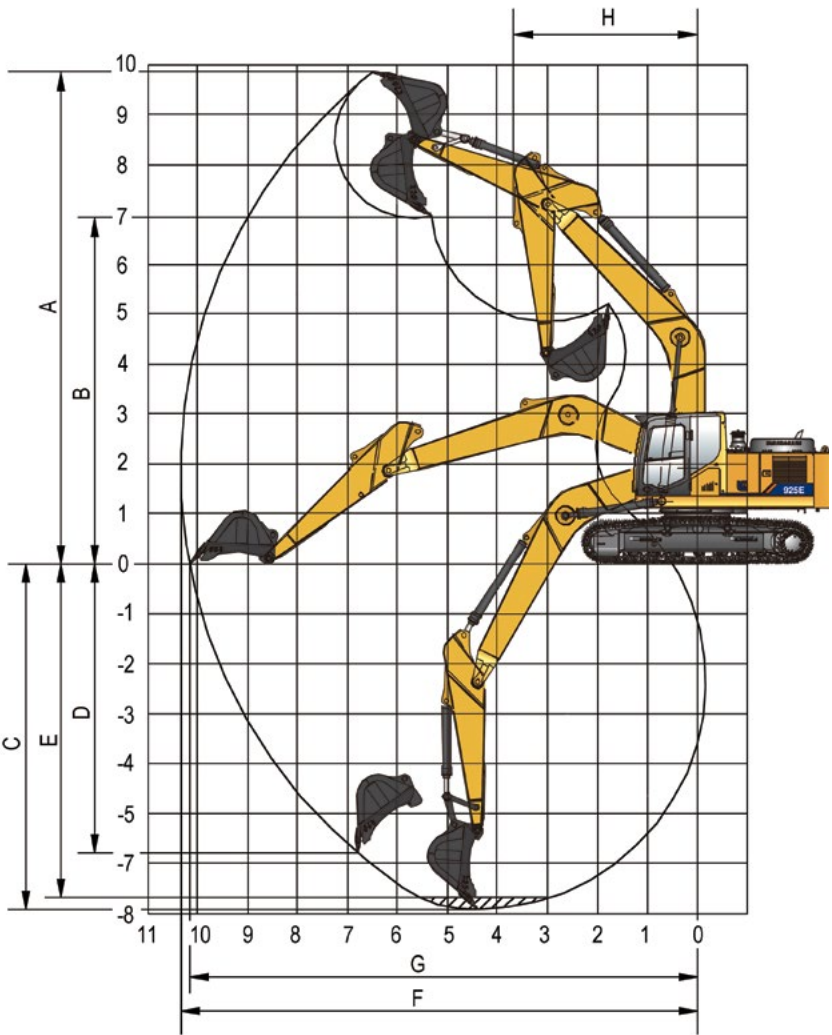
BOOM DIMENSIONS		
	Unit	930E (STANDARD)
Boom	m	6.2
Length	mm	6420
Height	mm	1788
Width	mm	942
Weight	kg	2740

Includes cylinder, piping and pin, excludes boom cylinder pin.

ARM DIMENSIONS			
	UNIT	930E (STANDARD)	930E (SHORT ARM)
Arm	m	3.05	2.6
Length	mm	4222	3800
Height	mm	1046	1052
Width	mm	542	542
Weight	kg	1700	1650

Includes cylinder, linkage and pin.

WORKING RANGES				
		UNIT	930E	
Boom		m	6.2	
Arm options		m	3.05	2.6
A Max. cutting height		mm	10300	10007
B Max. dumping height		mm	7265	7086
C Max. digging depth		mm	7300	6825
D Max. vertical wall digging depth		mm	6216	5460
E Max. digging depth (2.5m level)		mm	7096	6590
F Max. digging reach		mm	10653	10250
G Max. digging reach on ground		mm	10453	10032
H Min. front swing radius		mm	4040	4040
Bucket digging force (ISO)	Normal	kN	187	187
	Power boost	kN	203	203
Stick digging force (ISO)	Normal	kN	137	152
	Power boost	kN	149	165
Bucket capacity		m³	1.4	1.6
Bucket tip radius		mm	1606	1606



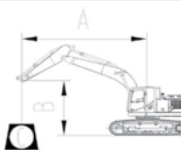


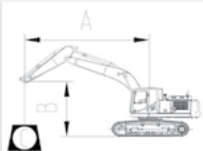
MACHINE WEIGHTS AND GROUND PRESSURE						
	Operating weight (Kg)	Ground pressure (KPa)	Overall width (mm)	Operating weight (Kg)	Ground pressure (KPa)	Overall width (mm)
Shoe width (mm)	6.2 m boom, 3.05 m arm, 1.4 m³ bucket, 5500 kg counterweight			6.2 m boom, 2.6 m arm, 1.6 m³ bucket, 5500 kg counterweight		
600	31800	60	3190	31850	60	3190
700	32100	51.5	3290	32150	51.6	3290
800	32500	45.6	3390	32550	45.7	3390
900	32900	41	3490	32950	41.1	3490

BUCKET SELECTION GUIDE						
Bucket type	Capacity	Cutting width	Weight	Teeth	6.2 m HD Boom	
	(m³)	(mm)	(kg)	pcs	3.05 m	2.6 m
General Purpose	1.4	1400	1383	5	B	C
General Purpose	1.6	1560	1480	5	NA	B
Heavy Duty	1.4	1400	1450	5	C	D
Heavy Duty	1.6	1560	1550	5	NA	C

Maximum material density:
A. 1200~1300 kg/m³: Coal, Caliche, Shale
B. 1400~1600 kg/m³: Wet earth and clay, limestone, sandstone
C. 1700~1800 kg/m³: Granite, wet sand, well blasted rock
D. 1900 kg/m³: Wet mud, Iron ore
NA. Not applicable

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.

LIFTINGCAPACITY													
930E							Conditions						
A: Load radius B: Load point height C: Lifting capacity rating Cf: Rated loads over front Cs: Rated loads over side							Boom length: 6200mm Arm length: 3050mm Counterweight: 5500kg Shoes: 600mm triple grouser						
Lift point height	3 m (10 ft)		4.5 m (15 ft)		6 m (20 ft)		7.5 m (25 ft)		9 m (30 ft)		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Front	Side	A(m/ft)
6 m kg					※6370	※6370	※6230	※6230			※6246	6242	8.1
20 ft lbs					※14043	※14043	※13735	※13735			※13770	13761	26.6
4.5 m kg			※8770	※8770	※7320	※7320	※6630	※6630			※6103	5560	8.7
15 ft lbs			※19335	※19335	※16138	※16138	※14617	※14617			※13455	12258	28.5
3 m kg			※11370	※11370	※8550	※8550	※7240	6710	※6239	5226	※6239	5226	9
10 ft lbs			※25067	※25067	※18850	※18850	※15961	14793	※13755	11521	※13755	11521	29.5
1.5m kg			※13440	12830	※9690	8740	※7870	6540	※6878	5157	※6878	5157	9
5 ft lbs			※29630	28285	※21363	19268	※17350	14418	※15163	11369	※15163	11369	29.5
0 kg			※14340	12570	※10450	8540	※8330	6420			※7152	5262	8.8
0 lbs			※31614	27712	※23038	18827	※18364	14374			※15767	11600	28.9
1.5 m kg	※20530	※20530	※14300	12540	※10650	8470	※8420	6380			※7479	5656	8.3
5 ft lbs	※45261	※45261	※31526	27646	※23479	18673	※18563	14065			※16488	12469	27.2
3 m kg	※18790	※18790	※13460	12670	※10180	8530	※7760	6470			※7760	6478	7.5
10 ft lbs	※41425	※41425	※29674	27933	※22443	18805	※17108	14263			※17108	14281	24.6
4.5 m kg	※15700	※15700	※11500	※11500	※8440	※8440					※8241	※8022	6.2
15 ft lbs	※34613	※34613	※25353	※25353	※18607	※18607					※18168	※17685	20.3

LIFTING CAPACITY											
930E						Conditions					
A: Load radius B: Load point height C: Lifting capacity rating Cf: Rated loads over front Cs: Rated loads over side						Boom length: 6200mm Arm length:2600mm Counterweight:5500kg Shoes: 600mm triple grouser					
Lift point height	3 m (10 ft)		4.5 m (15 ft)		6 m (20 ft)		7.5 m (25 ft)		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Front	Side	A(m/ft)
7.5 m kg					※6630	※6630			※6775	※6775	6.6
25 ft lbs					※14617	※14617			※14936	※14936	21.6
6 m kg					※6930	※6930	※6750	※6750	※6769	※6769	7.6
20 ft lbs					※15278	※15278	※14881	※14881	※14923	※14923	24.9
4.5 m kg			※9610	※9610	※7820	※7820	※7030	6860	※6890	6046	8.2
15 ft lbs			※21186	※21186	※17240	※17240	※15499	15124	※15190	13329	26.9
3 m kg			※12150	※12150	※8980	※8980	※7570	6700	※7316	5571	8.6
10 ft lbs			※26786	※26786	※19798	※19798	※16689	14771	※16129	12282	28.2
1.5m kg			※13910	12680	※10010	8700	※8120	6540	※7574	5497	8.6
5 ft lbs			※30666	27955	※22068	19180	※17902	14418	※16698	12119	28.2
0 kg			※14420	12520	※10600	8530	※8460	6440	※7152	5621	8.4
0 lbs			※31791	27602	※23369	18805	※18651	14198	※15767	12392	27.6
1.5 m kg	※19250	※19250	※14090	12560	※10630	8500	※8380	6440	※7987	6162	7.8
5 ft lbs	※42439	※42439	※31063	27690	※23435	18739	※18475	14198	※17608	13585	25.6
3 m kg	※17510	※17510	※12980	12740	※9890	8610			※8347	7261	6.9
10 ft lbs	※38603	※38603	※28616	28087	※21804	18982			※18402	16008	22.6
4.5 m kg	※14050	※14050	※10540	※10540					※8449	※8449	5.5
15 ft lbs	※30975	※30975	※23237	23237					※18627	※18627	18

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 above 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 safe operation of equipment should be adhered to at all times.

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins diesel engine, turbocharged, 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 overheat prevention system

HYDRAULIC SYSTEM

- Power boost
- Boom and arm regeneration circuits
- Pilot oil filter
- Load holding valve
- Pilot control shut-off lever
- Swing with anti-reverse function

OPERATOR STATION

- IPC (Intelligent Power Control) System
- 6-working mode selection system: Power Mode, Economy Mode, Fine Mode, Lifting Mode, Breaker Mode, Attachment Mode
- Highly pressurized and tightly sealed cab with all-around visibility, large roof window with slide sun shade, front window wiper, removable lower window
- Air conditioner, heater, defroster
- AM/FM Radio with MP3 audio jack
- Color LCD monitor with alarms, filter/fluid change, fuel rate, water temperature, work mode, fault code, working hour, etc
- Glass-breaking hammer
- Ashtray, cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Front glass lower guard

UPPERSTRUCTURE

- Rear view mirror (right & left side)
- 2 batteries
- One key for door locks, cap locks
- Fuel gauge
- Hydraulic oil level gauge
- Storage box
- Swing parking brake
- Boom lights
- Exterior lights integrated into storage box
- Roll-Over Protective Structures (ROPS)

UNDERCARRIAGE

- 600 mm triple grouser track-shoes
- 2 track frame under-guards (each side)
- Towing eye on base frame

DIGGING EQUIPMENT

- 6200 mm boom
- 3050 mm arm
- 1.4 m³ (SAE, heaped) bucket

FEATURES TO ENHANCE YOUR PRODUCTIVITY



LED LIGHTS



FUEL FILL PUMP



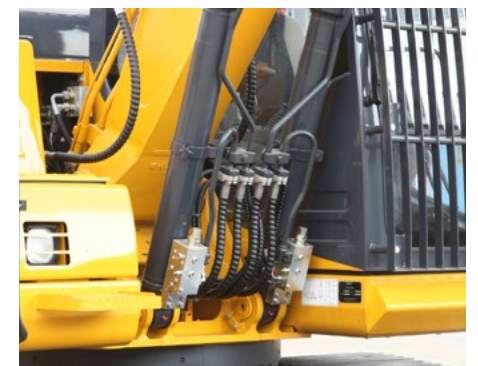
ATTACHMENT PIPING



FOPS & ROCK GUARD



REAR VIEW CAMERA



SECURITY VALVE

OPTIONAL EQUIPMENT

ENGINE SYSTEM

- Electrical fuel refilling pump

HYDRAULIC SYSTEM

- Security valves (2 on boom and 1 on arm)
- Control pattern change valve
- Hydraulic piping:
 - Breaker & shear
 - Slope & rotator
 - Grapple
 - Oil drain line
 - Quick coupler
- Hydraulic quick coupler

OPERATOR STATION

- Power outlet 24 V to 12 V converter
- 4 LED cab top lights
- Rotating beacon
- Rear view camera
- Air suspension seat
- Control joysticks with 2 switch & 1 proportional
- Falling-Object Protective Structures (FOPS)
- Safety net for front window
- Rain visor
- Travel alarm

UPPERSTRUCTURE

- Crash-proof beam

UNDERCARRIAGE

- 3 track frame under-guards (each side)
- 700 mm triple grouser track-shoes
- 800 mm triple grouser track-shoes
- 900 mm triple grouser track-shoes

DIGGING EQUIPMENT

- Arm: 2.6 m
- Bucket: 1.6 m³ (SAE, heaped)



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