



Engine	Cummins QSL9
Rated Power	213 kW (286 hp / 290 ps) @ 2,000 rpm
Net Power	201 kW (270 hp / 273 ps) @ 2,000 rpm
Maximum Dig Depth	7,340 mm
Standard Bucket Capacity	1.6 m ³
Operating Weight	36,200~36,800 kg

936E

EXCAVATOR



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 936E.

936E. 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 936E, we've met your challenge and given you everything you want – without compromise.



TOUGH FACTS

TOUGH QUALITY STANDARDS

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

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

TOUGH RESEARCH AND TESTING

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

TOUGH PARTNERS

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

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



FIT FOR PURPOSE

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

OUR NEW 936E HIGH PERFORMANCE FROM THE GROUND UP

1 TOUGHER UNDERCARRIAGE

With X-shaped frame built from high strength tensile steel, the 936E's undercarriage is designed to withstand the toughest conditions. Continuous digging, lifting and loading can put excessive stress on machines. The 936E 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 936E 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 936E's surroundings.

5 TOUGHER BOOM AND ARM

The 936E 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 936E, 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 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 6000 hours registered and still working hard.
Tapegyseg Co. Hungary
 "We use our LiuGong excavator for breaking down large stone and concrete sections. In two years we have not had a problem and our machines are working 10-11 hours a day, six days a week."

JOBSITE FACT: ANYWHERE!

-49°C
 Temperatures drop but the work rate stays high.
 LiuGong Excavators played a key part in supporting China's Polar Exploration team. Extreme temperatures, high altitudes, strong winds and intense ultraviolet light made the Antarctic an extremely tough test environment.

TOUGH JUDGES

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

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



POWER TO GET THE TOUGHEST JOBS DONE RIGHT

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

POWER WITHOUT COMPROMISE.

The 936E is powered by the latest Cummins QSL9 engine with a rated net power of 201 kW (270 hp) @ 2,000 rpm in compliance with EPA Tier 4 Final / EU Stage IV emission standards. The compact QSL9 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 936E'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 936E'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 936E 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 950E, enabling safe and easy access to the upper structure for easy engine service and maintenance.

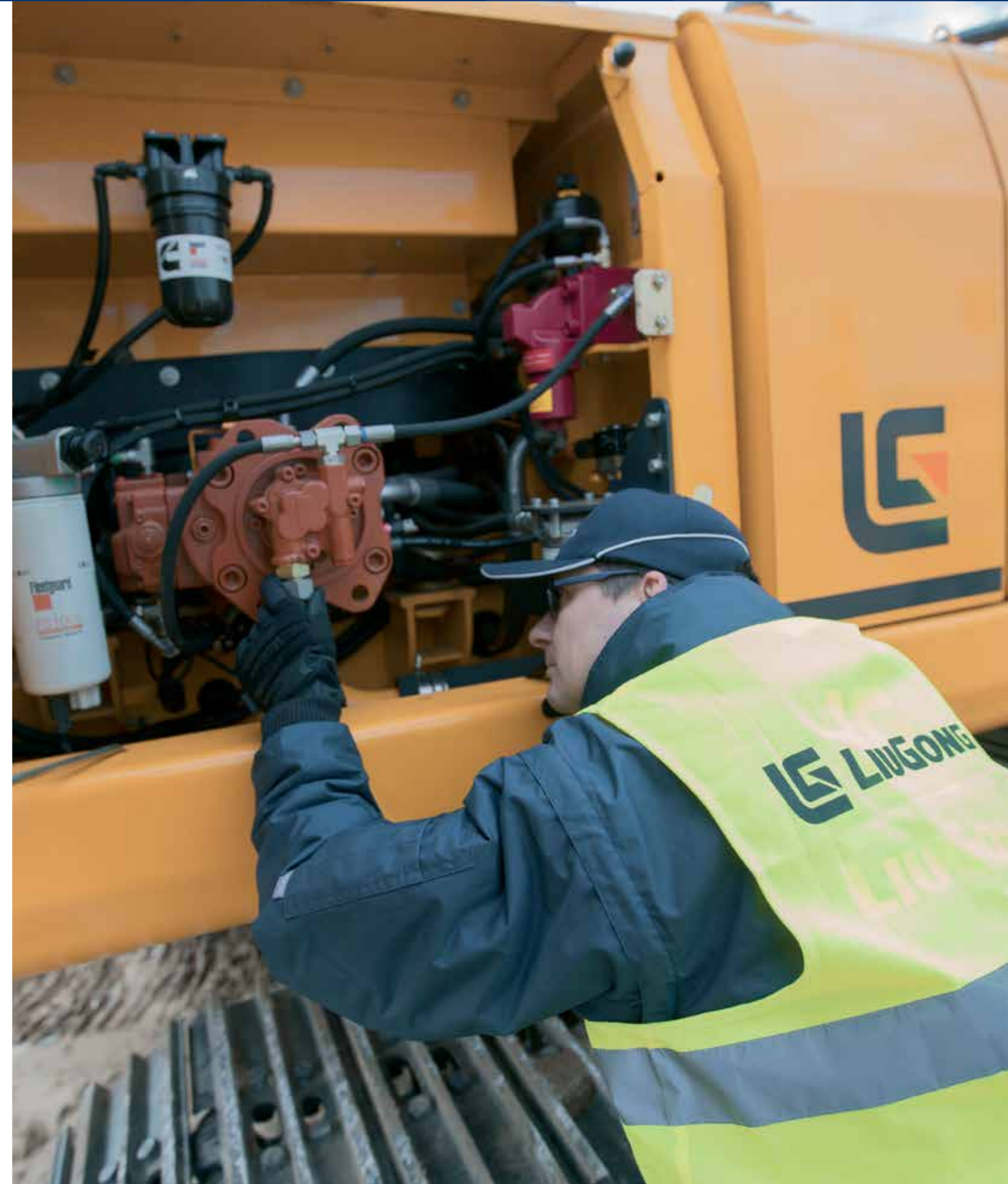
ON BOARD MONITORING

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 936E 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 936E 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.



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.**



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

LIUGONG SERVICE PROMISE

Highly trained technicians utilizing the latest diagnostic equipment

15,000+ Genuine LiuGong parts available within 24hrs from our European Parts Distribution Center

Multi-lingual Service helpline and online support

Transparent estimates and invoicing

Clear communications through electronic parts catalogue



TOTAL COST OF OWNERSHIP

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

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

PROFESSIONAL ADVICE

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

MACHINE AVAILABILITY

Our machines deliver everything you need and nothing you don't. They are expertly engineered NOT over engineered. As a result of having an extensive manufacturing operation right in the heart of Europe, we can offer significantly shorter lead times on

a range of models, compared with some manufacturers. In fact, we can deliver selected machines in as little as 4 weeks. The faster you can get a machine – the faster you can get working and earning. Our aim is to get you on to the jobsite fast.

TICKET PRICE

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

RESIDUAL VALUE

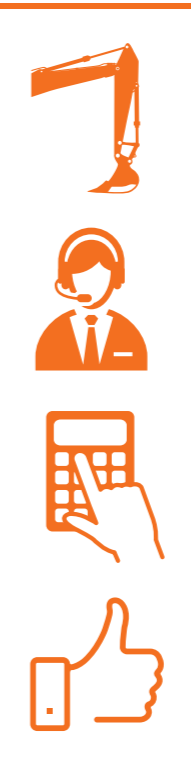
With the combination of LiuGong design and manufacturing excellence, world class components and comprehensive uptime support, our quality holds its value.



IT ALL ADDS UP

With the 936E 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 936E represents the formula for success.



FIT FOR PURPOSE

+

UPTIME AND SUPPORT

+

TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION



SPECIFICATIONS

Operating weight 36,200~36,800 kg

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

Bucket capacity 0.5-1.9 m³ (0.65-2.49 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 4 final / EU Stage IV
Engine manufacturer	Cummins
Engine model	QSL9
Aspiration	Variable-Geometry Turbocharger (VGT)
Charged air cooling	Aftercooler
Cooling fan drive	Viscous clutch
Displacement	8.9 L (2.35 gal) 8,900 cm³ (543 in³)
Rated speed	2,000 rpm
Engine output - net (SAE J1349 / ISO 9249)	201 kW (270 hp / 273 ps)
Engine output - gross (SAE J1995 / ISO 14396)	213 kW (286 hp / 290 ps)
Maximum torque	1,451 N·m (1,070 lbf·ft) @1,400 rpm
Bore × Stroke	114 × 145 mm (4.5" × 5.7")

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

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 rpm
Swing torque	111,000 N·m (81,132 lbf·ft)

HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pumps
Maximum flow	2 × 300 L/min (2 × 79.3 gal/min)

Pilot pump

Type	Gear pump
Maximum flow	19 L/min (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 × 1,505 mm (Φ5.5" × 4'11")
Arm Cylinder – Bore × Stroke	Φ170 × 1,785 mm (Φ6.7" × 5'10")
Bucket Cylinder – Bore × Stroke	Φ145 × 1,220 mm (Φ5.7" × 4')

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 × 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.8 kW (24 V - 10.5 hp)

SERVICE CAPACITIES

Fuel tank	620 L (163.8 gal)
Engine oil	30 L (7.9 gal)
Final drive (each)	9.5 L (2.5 gal)
Swing drive	10.5 L (2.8 gal)
Cooling system	37 L (9.8 gal)
Hydraulic reservoir	240 L (63.4 gal)
Hydraulic system total	450 L (118.9 gal)
DEF tank	35 L (9.2 gal)

SOUND PERFORMANCE

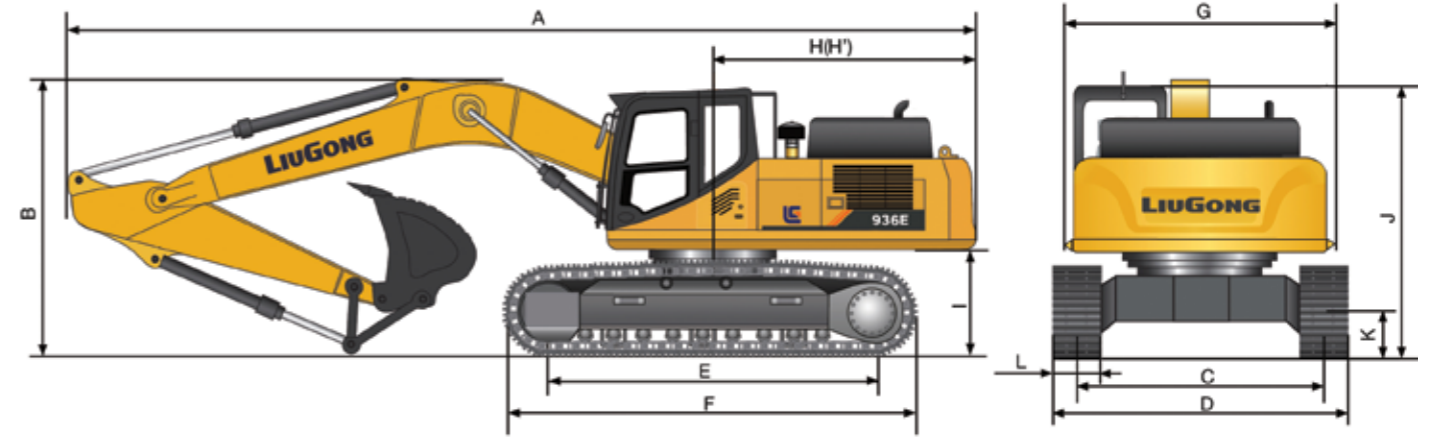
Interior Sound Power Level (ISO 6396)	75 dB(A)
Exterior Sound Power Level (ISO 6395)	105 dB(A)

DRIVE AND BRAKES

Description

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

Max. travel speed	High: 5.5 km/h (3.4 mph) Low: 3.4 km/h (2.1 mph)
Gradeability	35°/70%
Max. drawbar pull	320 kN (71,939 lbf)



DIMENSIONS

Boom	6,400 mm (21')	10,350 mm (33'11")
Arm Options	3,200 mm (10'6") 2,600 mm (8'6") 7,800 mm (25'7")	
A Shipping Length	11,167 mm (36'8")	11,350 mm (37'3") 15,180 mm (49'10")
B Shipping Height – Top of Boom	3,530 mm (11'7")	3,800 mm (12'6") 3,730 mm (12'3")
C Track Gauge	2,590 mm (8'6")	
D Undercarriage Width		
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	4,944 mm (16'3")	
G Overall Width of Upper Structure	3,163 mm (10'5")	
H Tail Swing Radius	3,550 mm (11'7")	
I Counterweight Ground Clearance	1,172 mm (3'10")	
J Overall Height of Cab	3,318 mm (10'11")	
K Min. Ground Clearance	532 mm (1'9")	
L Track Shoe Width	600 mm (24")	

BOOM DIMENSIONS

Boom	6,400 mm (21')	10,350 mm (33'11")
Length	6,692 mm (21'11")	10,590 mm (34'9")
Height	1,980 mm (6'6")	1,732 mm (5'8")
Width	813 mm (2'8")	813 mm (2'8")
Weight	3,250 kg (7,165 lbs)	3,460 kg (7,628 lbs)

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

ARM DIMENSIONS

Arm	3,200 mm (10'6")	2,600 mm (8'6")	7,800 mm (25'7")
Length	4,376 mm (14'4")	3,873 mm (12'8")	9,055 mm (29'7")
Height	1,055 mm (3'6")	1,155 mm (3'9")	1,151 mm (3'9")
Width	652 mm (2'2")	655 mm (2'2")	413.5 mm (1'4")
Weight	1,880 kg (4,145 lbs)	1,730 kg (3,814 lbs)	1,944 kg (4,286 lbs)

Cylinder, linkage and pin included.

BUCKET SELECTION

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	6.4 m (21') HD Boom		10.35 m (33'11") Boom
					3.2 m (10'6") Arm	2.6 m (9'6") Arm	7.8 m (25'7") Arm
General purpose	0.5 m³ (0.65 yd³)	870 mm (2'10")	440 kg (970 lbs)	4	NA	NA	A
	1.6 m³ (2.1 yd³)	1,520 mm (5')	1,915 kg (4,222 lbs)	5	B	C	NA
	1.9 m³ (2.5 yd³)	1,660 mm (5'5")	2,045 kg (4,508 lbs)	5	NA	B	NA
Heavy Duty	1.6 m³ (2.1 yd³)	1,520 mm (5')	1,915 kg (4,222 lbs)	5	C	D	NA
	1.9 m³ (2.5 yd³)	1,660 mm (5'5")	2,045 kg (4,508 lbs)	5	NA	C	NA

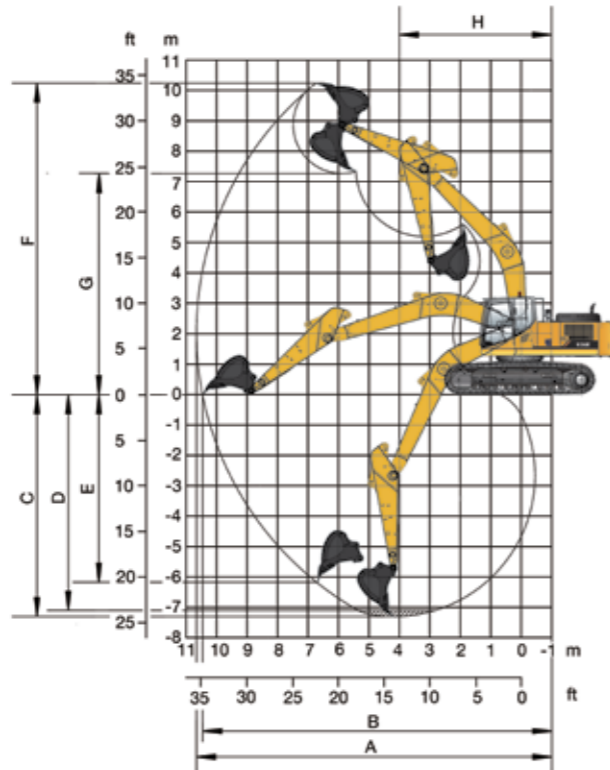
The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

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



MACHINE WEIGHTS AND GROUND PRESSURE

	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
Shoe width	6.4 m (21') boom, 3.2 m (10'6") arm, 1.6 m ³ (2.1 yd ³) bucket, 6,500 kg (14,330 lbs) counterweight			10.35 m (33'11") boom, 7.8 m (25'7") arm, 0.5 m ³ (0.65 yd ³) bucket, 8,500 kg (18,739 lbs) counterweight		
	6.4 m (21') boom, 2.6 m (8'6") arm, 1.9 m ³ (2.5 yd ³) bucket, 6,500 kg (14,330 lbs) counterweight					
600 mm (24")	36,200 kg (79,807 lbs)	67.5 kPa (9.8 psi)	3,190 mm (10'6")	38,200 kg (84,217 lbs)	69 kPa (10.0 psi)	3,190 mm (10'6")
700 mm (28")	36,400 kg (80,248 lbs)	58.2 kPa (8.4 psi)	3,290 mm (10'10")	38,400 kg (84,658 lbs)	59.7 kPa (8.7 psi)	3,290 mm (10'10")
800 mm (32")	36,603 kg (80,696 lbs)	51.2 kPa (7.4 psi)	3,390 mm (11'1")	38,603 kg (85,105 lbs)	52.7 kPa (7.6 psi)	3,390 mm (11'1")
900 mm (35")	36,785 kg (81,097 lbs)	45.7 kPa (6.6 psi)	3,490 mm (11'5")	38,785 kg (85,506 lbs)	47.2 kPa (6.8 psi)	3,490 mm (11'5")



WORKING RANGE

Boom Length	6,400 mm (21')		10,350 mm (33'11")
Arm Length	3,200 mm (10'6")	2,600 mm (8'6")	7,800 mm (25'7")
A. Max. Digging Reach	10,240 mm (33'7")	9,830 mm (32'3")	18,726 mm (61'5")
B. Max. Digging Reach on Ground	7,160 mm (23'6")	6,900 mm (22'8")	18,606 mm (61'1")
C. Max. Digging Depth	7,340 mm (24'1")	6,730 mm (22'1")	14,590 mm (47'10")
D. Max. Digging Depth, 2.44 m (8') level	6,460 mm (21'2")	4,430 mm (14'6")	14,480 mm (47'6")
E. Max. Vertical Wall Digging Depth	7,180 mm (23'7")	6,530 mm (21'5")	11,215 mm (36'10")
F. Max. Cutting Height	11,100 mm (36'5")	10,560 mm (34'8")	14,150 mm (46'5")
G. Max. Dumping Height	10,900 mm (35'9")	10,350 mm (33'11")	11,745 mm (38'6")
H. Min. Front Swing Radius	4,465 mm (14'8")	4,700 mm (15'5")	4,465 mm (14'8")
Bucket Digging Force (ISO)	Normal	232 kN (52,156 lbf)	232 kN (52,156 lbf) /
	Power Boost	252 kN (56,652 lbf)	252 kN (56,652 lbf) / 90 kN (56,652 lbf)
Arm Digging Force (ISO)	Normal	170 kN (38,218 lbf)	210 kN (47,210 lbf) /
	Power Boost	185 kN (41,590 lbf)	228 kN (51,256 lbf) / 71 kN (51,256 lbf)
Bucket Capacity	1.6 m ³ (2.1 yd ³)		0.5 m ³ (0.65 yd ³)
Bucket Tip Radius	1,687 mm (5'6")		1,372 mm (4'6")

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)

- 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.
- 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.
- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- 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.

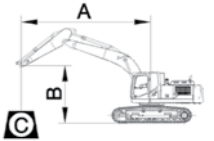
LIFTING CAPACITY (METRIC)

936E with 600 mm shoes, 3,200 mm arm

Conditions

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

Boom length: 6,400 mm
Arm length: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 600 mm triple grouser
Unit: kg



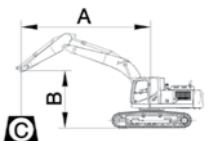
B (m)	A (Unit: m)										A (m)			
	3.0		4.5		6.0		7.5		9.0			MAX REACH		
6.0														
4.5														
3.0														
1.5														
GROUND LEVEL														
-1.5														
-3.0														
-4.5														

936E with 600 mm shoes, 2,600 mm arm

Conditions

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

Boom length: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 600 mm triple grouser
Unit: kg



B (m)	A (Unit: m)								A (m)
	4.5		6.0		7.5		MAX REACH		
6.0									
4.5									
3.0									
1.5									
GROUND LEVEL									
-1.5									
-3.0									
-4.5									



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 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.

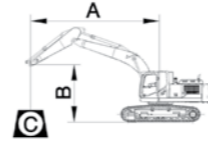
LIFTING CAPACITY (IMPERIAL)

936E with 24" shoes, 10'6" 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: 21'
Arm length: 10'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 24" triple grouser
Unit: lbs



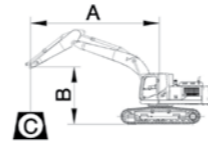
B (ft)	A (Unit: ft)												A (ft)		
	10	15	20	25	30	MAX REACH		30	35	40	45	50			
20								*17,520	15,030				*17,250	12,260	26.9
15				*21,290	20,230	*18,670	14,590						*17,440	10,830	28.9
10		*32,900	28,330	*24,370	19,080	*20,230	14,020	17,770	10,800	17,200	10,280		29.9		
5		*37,590	26,480	*27,050	18,090	*21,700	13,480	17,490	10,540	17,220	9,930		29.9		
GROUND LEVEL		*39,010	25,730	*28,550	17,470	22,290	13,100	17,300	10,370	17,050	10,090		29.9		
-5	*52,500	50,580	*37,980	25,640	*28,530	17,250	22,130	12,950		18,660	10,810		27.9		
-10	*46,980	*46,980	*34,860	25,960	*26,690	17,380	*20,640	13,100		*20,250	12,340		24.9		
-15	*37,730	*37,730	*28,880	26,690	*21,910	17,930				*20,060	15,660		21.0		

936E 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: 21'
Arm length: 8'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 24" triple grouser
Unit: lbs



B (ft)	A (Unit: ft)								A (ft)
	15		20		25		MAX REACH		
20									
15	*29,260	*29,260	*22,950	19,900	*19,900	14,450	*18,870	11,900	27.9
10			*25,820	18,840	*21,250	13,940	18,250	11,090	28.9
5			*28,080	17,990	*22,450	13,490	17,940	10,840	28.9
GROUND LEVEL	*38,970	25,850	*28,990	17,530	22,380	13,200	18,480	11,100	28.2
-5	*36,920	25,970	*28,290	17,450	*22,250	13,170	*20,060	12,020	26.6
-10	*32,840	26,440	*25,520	17,730			*20,260	14,060	23.6
-15	*25,290	*25,290					*19,280	*19,280	19.0

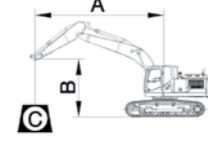
LIFTING CAPACITY (METRIC)

936E with 700 mm shoes, 3,200 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: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 700 mm triple grouser
Unit: kg



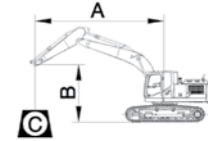
B (m)	A (Unit: m)												A (m)					
	3.0	4.5	6.0	7.5	9.0	MAX REACH		9.0	10.5	12.0	13.5	15.0						
6.0													*7,949	6,932		*7,828	5,659	8.2
4.5										*9,658	9,324	*8,469	6,731			*7,912	5,003	8.8
3.0			*14,925	13,067	*11,056	8,804	*9,178	6,472	*8,128	4,989	7,929	4,750	9.1					
1.5			*17,052	12,226	*12,273	8,354	*9,845	6,227	8,066	4,872	7,817	4,589	9.1					
GROUND LEVEL			*17,697	11,885	*12,952	8,074	*10,255	6,055	7,981	4,795	7,749	4,665	9.1					
-1.5	*23,817	22,944	*17,231	11,845	*12,942	7,973	10,205	5,988					8,476	4,999	8.5			
-3.0	*21,312	*21,312	*15,813	11,990	*12,110	8,031	*9,363	6,057					*9,186	5,705	7.6			
-4.5	*17,116	*17,116	*13,100	12,324	*9,940	8,280							*9,102	7,231	6.4			

936E 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: 6,500 kg
Shoes: 700 mm triple grouser
Unit: kg



B (m)	A (Unit: m)								A (m)
	4.5		6.0		7.5		MAX REACH		
6.0									
4.5	*13,273	*13,273	*10,410	9,177	*9,029	6,668	*8,560	5,526	8.5
3.0			*11,712	8,692	*9,643	6,438	8,455	5,147	8.8
1.5			*12,739	8,306	*10,186	6,229	8,352	5,054	8.8
GROUND LEVEL	*17,677	11,940	*13,154	8,100	10,321	6,101	8,560	5,151	8.6
-1.5	*16,749	11,998	*12,835	8,065	*10,096	6,086	*9,103	5,562	8.1
-3.0	*14,900	12,208	*11,580	8,189			*9,192	6,542	7.2
-4.5	*11,474	*11,474					*8,748	*8,748	5.8



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 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.

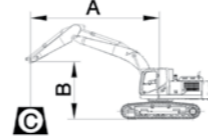
LIFTING CAPACITY (IMPERIAL)

936E with 28" shoes, 10'6" 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: 21'
Arm length: 10'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 28" triple grouser
Unit: lbs



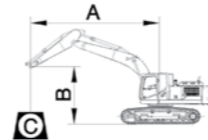
B (ft)	A (Unit: ft)												A (ft)					
	10	15	20	25	30	MAX REACH												
20								*17,520	15,280				*17,250	12,470	26.9			
15								*21,290	20,550	*18,670	14,830			*17,440	11,020	28.9		
10								*32,900	28,800	*24,370	19,400	*20,230	14,260	*17,910	10,990	17,480	10,470	29.9
5								*37,590	26,950	*27,050	18,410	*21,700	13,720	17,780	10,740	17,230	10,110	29.9
GROUND LEVEL								*39,010	26,200	*28,550	17,800	*22,600	13,340	17,590	10,570	17,080	10,280	29.9
-5	*52,500	50,580	*37,980	26,110	*28,530	17,570	22,490	13,200							18,680	11,020	27.9	
-10	*46,980	*46,980	*34,860	26,430	*26,690	17,700	*20,640	13,350							*20,250	12,570	24.9	
-15	*37,730	*37,730	*28,880	27,160	*21,910	18,250									*20,060	15,940	21.0	

936E 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: 21'
Arm length: 8'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 28" triple grouser
Unit: lbs



B (ft)	A (Unit: ft)										A (ft)
	15		20		25		MAX REACH				
20											
15											
10											
5											
GROUND LEVEL											
-5											
-10											
-15											

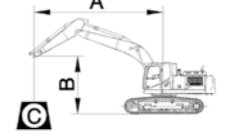
LIFTING CAPACITY (METRIC)

936E with 800 mm shoes, 3,200 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: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 800 mm triple grouser
Unit: kg



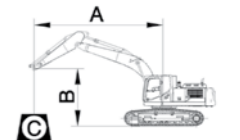
B (m)	A (Unit: m)												A (m)				
	3	4.5	6.0	7.5	9.0	MAX REACH											
6.0																	
4.5																	
3.0																	
1.5																	
GROUND LEVEL																	
-1.5																	
-3.0																	
-4.5																	

936E 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: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 800 mm triple grouser
Unit: kg



B (m)	A (Unit: m)										A (m)
	4.5		6.0		7.5		MAX REACH				
6.0											
4.5											
3.0											
1.5											
GROUND LEVEL											
-1.5											
-3.0											
-4.5											



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 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.

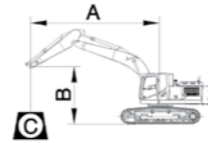
LIFTING CAPACITY (IMPERIAL)

936E with 32" shoes, 10'6" 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: 21'
Arm length: 10'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 32" triple grouser
Unit: lbs



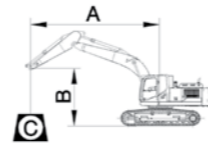
B (ft)	A (Unit: ft)											A (ft)
	10	15	20	25	30	MAX REACH		30	35	40	45	
20						*17,520	15,540			*17,250	13,490	26.9
15			*21,290	20,900	*18,670	15,100			*17,440	11,860	28.9	
10		*32,900	29,320	*24,370	19,760	*20,230	14,530	*17,910	11,210	*17,800	11,030	29.9
5		*37,590	27,470	*27,050	18,770	*21,700	13,990	18,090	10,950	17,010	10,790	29.9
GROUND LEVEL		*39,010	26,720	*28,550	18,150	*22,600	13,610	17,910	10,780	17,390	10,630	29.9
-5	*52,500	*52,500	*37,980	26,620	*28,530	17,930	*22,500	13,460		19,020	11,550	27.9
-10	*46,980	*46,980	*34,860	26,950	*26,690	18,050	*20,640	13,620		*20,250	13,400	24.9
-15	*37,730	*37,730	*28,880	27,680	*21,910	18,600				*20,060	17,150	21.0

936E 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: 21'
Arm length: 8'6"
Bucket: None
Counterweight: 14,330 lbs
Shoes: 32" triple grouser
Unit: lbs



B (ft)	A (Unit: ft)								A (ft)
	15		20		25		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20			*20,540	*20,540	*19,010	15,330	*18,900	14,100	25.9
15	*29,260	*29,260	*22,950	20,580	*19,900	14,960	*18,870	12,410	27.9
10			*25,820	19,510	*21,250	14,460	18,960	11,560	28.9
5			*28,080	18,660	*22,450	14,000	18,730	11,360	28.9
GROUND LEVEL	*38,970	26,830	*28,990	18,210	*22,970	13,710	19,200	11,580	28.2
-5	*36,920	26,960	*28,290	18,130	*22,250	13,680	*20,060	12,500	26.6
-10	*32,840	27,430	*25,520	18,400			*20,260	14,700	23.6
-15	*25,290	*25,290					*19,280	*19,280	19.0

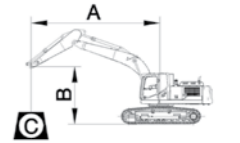
LIFTING CAPACITY (METRIC)

936E with 900 mm shoes, 3,200 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: 3,200 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 900 mm triple grouser
Unit: kg



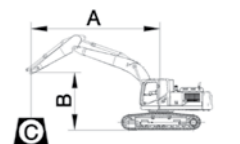
B (m)	A (Unit: m)											A (m)		
	3	4.5	6	7.5	9	MAX REACH		9	10.5	12	13.5			
6.0						*7,949	7,225			*7,828	6,275	8.2		
4.5						*9,658	*9,658	*8,469	7,025			*7,912	5,525	8.8
3.0			*14,925	13,636	*11,056	9,192	*9,178	6,765	*8,128	5,225	*8,078	5,141	9.1	
1.5			*17,052	12,795	*12,273	8,742	*9,845	6,521	*8,411	5,109	8,282	5,032	9.1	
GROUND LEVEL			*17,697	12,454	*12,952	8,462	*10,255	6,349	8,328	5,032	8,205	4,963	9.1	
-1.5	*23,817	*23,817	*17,231	12,413	*12,942	8,360	*10,206	6,282			*8,787	5,389	8.5	
-3.0	*21,312	*21,312	*15,813	12,559	*12,110	8,419	*9,363	6,350			*9,186	6,252	7.6	
-4.5	*17,116	*17,116	*13,100	12,892	*9,940	8,668					*9,102	7,992	6.4	

936E 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: 6,400 mm
Arm length: 2,600 mm
Bucket: None
Counterweight: 6,500 kg
Shoes: 900 mm triple grouser
Unit: kg



B (m)	A (Unit: m)								A (m)		
	4.5		6.0		7.5		MAX REACH				
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs			
6.0					*9,319	*9,319	*8,627	7,128	*8,575	6,560	7.9
4.5	*13,273	*13,273	*10,410	9,564	*9,029	6,962	*8,560	5,779			8.5
3.0			*11,712	9,080	*9,643	6,731	*8,646	5,390			8.8
1.5			*12,739	8,694	*10,186	6,523	8,709	5,297			8.8
GROUND LEVEL	*17,677	12,508	*13,154	8,488	*10,421	6,395	8,928	5,401			8.6
-1.5	*16,749	12,567	*12,835	8,453	*10,096	6,380	*9,103	5,830			8.1
-3.0	*14,900	12,777	*11,580	8,577			*9,192	6,851			7.2
-4.5	*11,474	*11,474					*8,748	*8,748			5.8



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)

- 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.
- 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.
- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- 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)

936E with 35" shoes, 10'6" arm

Conditions
 Boom length: 21'
 Arm length: 10'6"
 Bucket: None
 Counterweight: 14,330 lbs
 Shoes: 35" triple grouser
 Unit: lbs

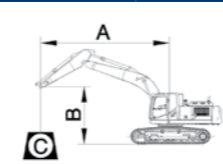


A: Load radius
 B: Load point height
 C: Lifting capacity rating
 Cf: Rating loads over front
 Cs: Rating loads over side

B (ft)	A (Unit: ft)												A (ft)												
	10		15		20		25		30		MAX REACH														
20																									
15																									
10																									
5																									
GROUND LEVEL																									
-5																									
-10																									
-15																									

936E with 35" shoes, 8'6" arm

Conditions
 Boom length: 21'
 Arm length: 8'6"
 Bucket: None
 Counterweight: 14,330 lbs
 Shoes: 35" triple grouser
 Unit: lbs



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

B (ft)	A (Unit: ft)										A (ft)		
	15		20		25		MAX REACH						
20													
15													
10													
5													
GROUND LEVEL													
-5													
-10													
-15													

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
- DIGGING EQUIPMENT**
- 6,400 mm (21') boom
 - 3,200 mm (10'6") arm
 - 1.6 m³ (2.1 yd³, 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)
 - Mechanical suspension seat
 - Skylight rooftop
 - Air conditioner, heater, defroster
 - AM/FM Radio with MP3 audio jack
 - Glass-breaking hammer
 - Ashtray, cigarette lighter
 - Cup holder
 - Floor mat
 - Storage box
 - Front glass lower guard
 - 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**
- 6,500 kg (14,330 lbs) counterweight
 - Maintenance tool kit
 - Maintenance parts package

- 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
 - 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)

OPTIONAL EQUIPMENT

- ENGINE SYSTEM**
- Electrical fuel refilling pump

- HYDRAULIC SYSTEM**
- Control pattern change valve
 - Hydraulic lines:
 - Breaker & shear
 - Slope & rotator
 - Grapple
 - Oil drain line
 - Quick coupler
 - Hydraulic quick coupler
 - Overloading valve
 - 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
 - Rotating beacon
 - Operation protection guard (included cab front and top guard, bar)
 - Operation protection screen (on cab front, net)
 - Operation protection screen (front-lower)

- UPPER STRUCTURE**
- Upper frame protection (wire)
 - Belly guard and 8 mm thickness platform bottom plate
 - Bucket cylinder guard
 - 8,500 kg (18,739 lbs) counterweight

- 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
 - 0.5/1.9 m³ (0.65/2.49 yd³) (SAE, heaped) bucket



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