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	933E	936E
Engine	Cummins HM8.3	Cummins 6LTAA8.9-C325
Net Power	186 kW (249 hp / 253 ps) @ 1,900 rpm	233 kW (312 hp / 317 ps) @ 2,000 rpm
Operating Weight	31,800-32,900 kg	37,000 kg
Bucket Capacity	1.4-1.6 m ³	1.6 – 1.9 m ³

933E/936E 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 933E/936E.

933E/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;



FIT FOR PURPOSE



UPTIME AND SUPPORT



TOTAL COST OF OWNERSHIP



With the 933E/936E, we've met your challenge and given you everything you want – without compromise.



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 933E/936E HIGH PERFORMANCE FROM THE GROUND UP

1 TOUGHER UNDERCARRIAGE

With X-shaped frame built from high strength tensile steel, the 933E/936E's undercarriage is designed to withstand the toughest conditions. Continuous digging, lifting and loading can put excessive stress on machines. The 933E/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 933E/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 933E/936E's surroundings.



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 933E/936E is powered by the latest Cummins 6C-8.3 engine with a rated net power of 152 kW (207 hp) / 174 kW (236 hp) @ 1,900 rpm in compliance with EU Stage II emission standards.

The compact 6C-8.3 delivers unmatched and dependable power in its class yet it produces virtually zero emissions.

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



INTELLIGENT POWER CONTROL

The 933E/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 933E/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

The intelligent combination of powerful digging force, swing torque and lifting performance make the most of every drop of fuel. The 945E/950E maximizes fuel economy by intelligently regulating its idle speed by the second.



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



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.

DESIGNED TO MAKE TOUGH WORK EASY ON THE OPERATOR

Climb into the cab of the 933E/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 933E/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.





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?

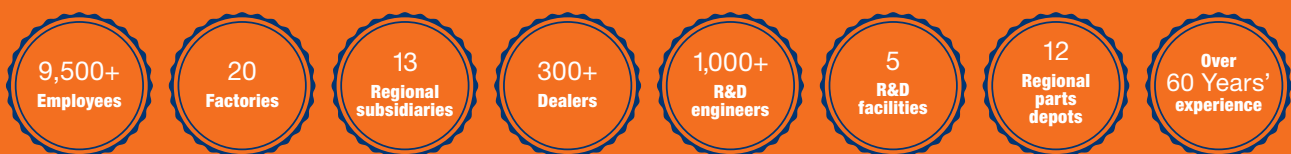
FAST RESPONDING GLOBAL NETWORK

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





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

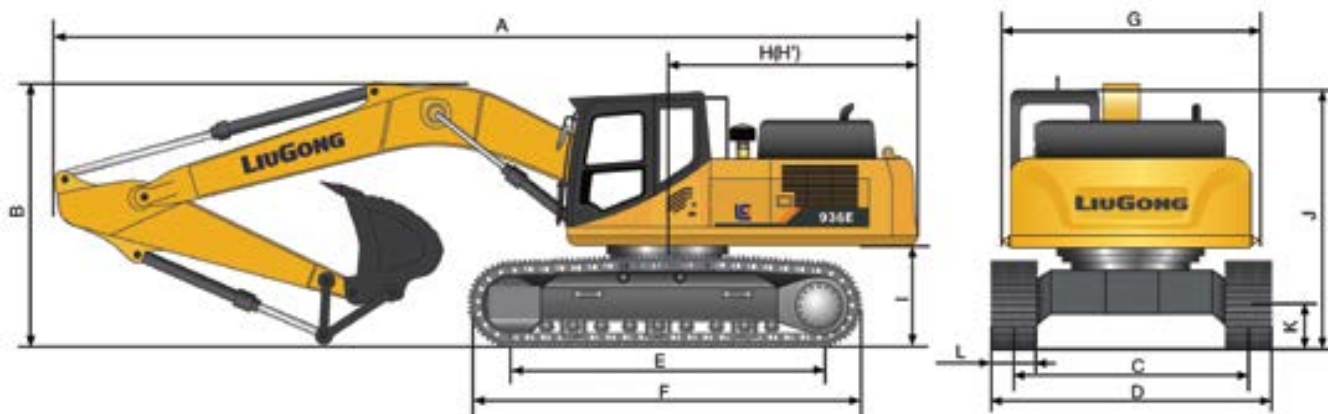
With the combination of LiuGong design and manufacturing excellence, world class components and comprehensive uptime support, our quality holds its value.



933E/936E EXCAVATOR



933E/936E EXCAVATOR



DIMENSIONS

	933E			936E		
Boom	6,200 mm			6,400 mm		
Arm Options	3,050 mm	2,600 mm	3,200 mm	2,600 mm	2,900 mm	7,800 mm
A Shipping Length	10,650 mm			11,167 mm		
B Shipping Height – Top of Boom	3,525 mm	3,645 mm	3,530 mm	3,800 mm	3,800 mm	3,730 mm
C Track Gauge	2,590 mm			2,590 mm		
D Undercarriage Width – with 600 mm Shoes	3,190 mm			3,190 mm		
700 mm Shoes	3,290 mm			3,290 mm		
800 mm Shoes	3,390 mm			3,390 mm		
900 mm Shoes	3,490 mm			3,490 mm		
E Length to Center of Rollers	4,050 mm			4,050 mm		
F Track Length	4,980 mm			4,944 mm		
G Overall Width of Upper Structure	3,163 mm (including protective side beam)			3,163 mm (including protective side beam)		
H Tail Swing Radius	3,300 mm			3,550 mm		
I Counterweight Ground Clearance	1,215 mm			1,172 mm		
J Overall Height of Cab	3,175 mm (with protective equipment)			3,175 mm (with protective equipment)		
K Min. Ground Clearance	500 mm			532 mm		
L Track Shoe Width	600 mm			600 mm		

BOOM DIMENSIONS

	933E		936E
Boom	6,200 mm	6,400 mm	10,350 mm
Length	6,420 mm	6,692 mm	10,590 mm
Height	1,788 mm	1,980 mm	1,732 mm
Width	942 mm	813 mm	813 mm
Weight	2,740 kg	3,250 kg	3,460 kg

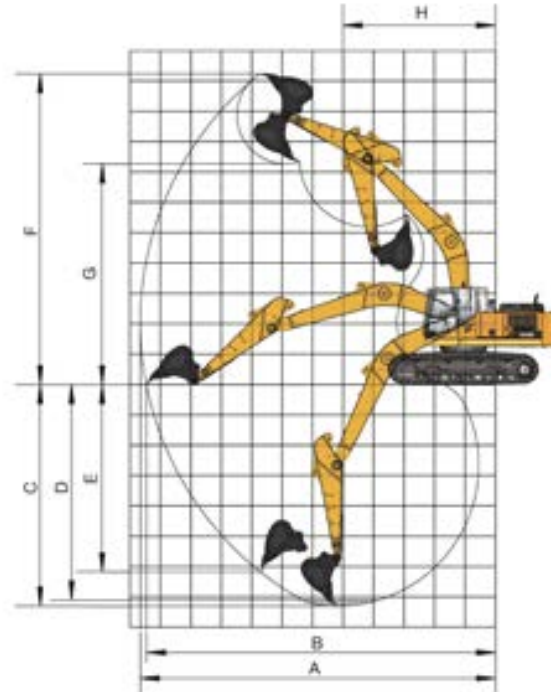
Cylinder, piping and pin included.
Boom cylinder pin excluded.

ARM DIMENSIONS

	933E			936E		
Arm	3,050 mm	2,600 mm	3,200 mm	2,600 mm	2,900 mm	7,800 mm
Length	4,222 mm	3,800 mm	4,376 mm	3,873 mm	3,873 mm	9,055 mm
Height	1,046 mm	1,052 mm	1,055 mm	1,155 mm	1,155 mm	1,151 mm
Width	542 mm	542 mm	652 mm	655 mm	655 mm	413.5 mm
Weight	1,700 kg	1,650 kg	1,880 kg	1,730 kg	1,730 kg	1,944 kg

Cylinder, linkage and pin included.

933E/936E EXCAVATOR



WORKING RANGE

		933E			936E		
Boom Length		6,200 mm			6,400 mm	10,350 mm	
Arm Length		3,050 mm	2,600 mm	3,200 mm	2,600 mm	2,900 mm	7,850 mm
A. Max. Digging Reach		10,653 mm	10,250 mm	11,100 mm	10,560 mm	10,728 mm	18,726 mm
B. Max. Digging Reach on Ground		10,453 mm	10,032 mm	10,900 mm	10,350 mm	10,527 mm	18,606 mm
C. Max. Digging Depth		7,300 mm	6,825 mm	7,340 mm	6,730 mm	6,890 mm	14,590 mm
D. Max. Digging Depth, 2.44 m (8') level		7,096 mm	6,590 mm	7,180 mm	6,530 mm	6,710 mm	14,480 mm
E. Max. Vertical Wall Digging Depth		6,216 mm	5,460 mm	6,460 mm	4,430 mm	5,085 mm	11,215 mm
F. Max. Cutting Height		10,300 mm	10,007 mm	10,240 mm	9,830 mm	9,818 mm	14,150 mm
G. Max. Dumping Height		7,265 mm	7,086 mm	7,160 mm	6,900 mm	6,655 mm	11,745 mm
H. Min. Front Swing Radius		4,040 mm	4,040 mm	4,465 mm	4,700 mm	4,385 mm	4,465 mm
Bucket Digging Force (ISO)	Normal	187 kN	187 kN	232 kN	232 kN	232 kN	/
	Power Boost	203 kN	203 kN	252 kN	252 kN	252 kN	71 kN
Arm Digging Force (ISO)	Normal	137 kN	152 kN	170 kN	210 kN	210 kN	/
	Power Boost	149 kN	165 kN	185 kN	228 kN	228 kN	90 kN
Bucket Capacity		1.4 m ³	1.6 m ³	1.6 m ³	1.9 m ³	1.9 m ³	0.5 m ³
Bucket Tip Radius		1,606 mm	1,606 mm	1,687 mm	1,687 mm	1,687 mm	1,372 mm

933E/936E EXCAVATOR

LIFTING CAPACITY (METRIC)

933E with 600 mm, 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



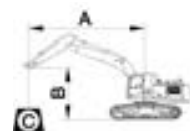
A (Unit: m)											
B (m)	3.0		4.5		6.0		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5					*6,620	*6,620			*6,760	*6,760	6.6
6.0					*6,920	*6,920	*6,740	*6,740	*6,760	*6,760	7.6
4.5			*9,600	*9,600	*7,820	*7,820	*7,020	6,810	*6,880	5,990	8.2
3.0			*12,140	*12,140	*8,970	8,930	*7,570	6,640	*7,050	5,520	8.6
1.5			*13,890	12,580	*10,000	8,630	*8,110	6,490	*7,300	5,450	8.6
GROUND LEVEL			*14,400	12,420	*10,590	8,460	*8,460	6,390	*7,650	5,570	8.4
- 1.5	*19,230	*19,230	*14,080	12,460	*10,610	8,430	*8,370	6,390	*7,970	6,110	7.8
- 3.0	*17,490	*17,490	*12,960	12,640	*9,880	8,540			*8,330	7,200	6.9
- 4.5	*14,040	*14,040	*10,530	*10,530					*8,430	*8,430	5.5

933E 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: 6,200 mm
Arm length: 2,600 mm
Bucket: None
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)											
B (m)	3.0		4.5		6.0		7.5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5					*6,620	*6,620			*6,760	*6,760	6.6
6.0					*6,920	*6,920	*6,740	*6,740	*6,760	*6,760	7.6
4.5			*9,600	*9,600	*7,820	*7,820	*7,020	6,900	*6,880	6,070	8.2
3.0			*12,140	*12,140	*8,970	*8,970	*7,570	6,730	*7,050	5,600	8.6
1.5			*13,890	12,760	*10,000	8,750	*8,110	6,580	*7,300	5,520	8.6
GROUND LEVEL			*14,400	12,590	*10,590	8,580	*8,460	6,480	*7,560	5,650	8.4
- 1.5	*19,230	*19,230	*14,080	12,630	*10,610	8,550	*8,370	6,480	*7,970	6,190	7.8
- 3.0	*17,490	*17,490	*12,960	12,810	*9,880	8,660			*8,330	7,300	6.9
- 4.5	*14,040	*14,040	*10,530	10,530					*8,430	*8,430	5.5

933E/936E EXCAVATOR

LIFTING CAPACITY (METRIC)

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



A (Unit: m)									
B (m)	4.5		6.0		7.5		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6.0			*9,319	*9,319	*8,627	6,724	*8,577	6,128	7.9
4.5	*13,273	*13,273	*10,410	9,031	*9,029	6,558	*8,553	5,400	8.5
3.0			*11,712	8,546	*9,643	6,327	8,279	5,031	8.8
1.5			*12,739	8,161	*10,186	6,119	8,139	4,918	8.9
GROUND LEVEL	*17,677	11,726	*13,154	7,955	10,155	5,990	8,383	5,037	8.6
- 1.5	*16,749	11,784	*12,835	7,919	*10,096	5,975	*9,084	5,453	8.1
- 3.0	*14,900	11,994	*11,580	8,044			*9,076	6,378	7.3
- 4.5	*11,474	*11,474					*8,535	*8,535	5.9

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



A (Unit: m)									
B (m)	4.5		6.0		7.5		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6.0			*9,319	*9,319	*8,627	6,956	*8,575	6,398	7.9
4.5	*13,273	*13,273	*10,410	9,337	*9,029	6,789	*8,560	5,630	8.5
3.0			*11,712	8,852	*9,643	6,559	8,603	5,248	8.8
1.5			*12,739	8,466	*10,186	6,351	8,499	5,154	8.8
GROUND LEVEL	*17,677	12,174	*13,154	8,260	*10,421	6,222	8,712	5,254	8.6
- 1.5	*16,749	12,233	*12,835	8,225	*10,096	6,207	*9,103	5,672	8.1
- 3.0	*14,900	12,443	*11,580	8,349			*9,192	6,670	7.2
- 4.5	*11,474	*11,474					*8,748	*8,748	5.8



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