GLOBAL DEALER NETWORK>>>

STRONG PRESENCE, UNMACHED SUPPORT

LiuGong has established a solid infrastructure with over 12,000 employees worldwide, 320 dealers, 7 regional parts depots and 9 strategically placed global offices to support its dealers and serve its customers.

Always a LiuGong dealer near you.

LIUGONG
TOUGH WORLD. TOUGH EQUIPMENT.

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Version 1.1
01/2016 Designed by LiuGong

Engine	Cummins
Gross Power	168 kW (228 hp) ~ 213 kW (290 hp)
Net Power	156 kW (212 hp) ~ 201 kW (273 hp)
Maximum Digging Depth	7,086 mm ~ 7,340 mm
Bucket Capacity	1.4 m^3 ~ 1.9 m^3
Operating Weight	32,700 kg ~ 36,200 kg

930E/936E

EXCAVATOR

LiuGong

TOUGH WORLD. TOUGH EQUIPMENT.

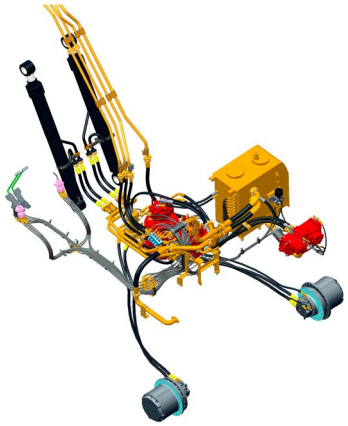
EQUIPMENT INTRODUCTION >>>


LiuGong

EXCELLENT EFFICIENCY AND FUEL CONSUMPTION

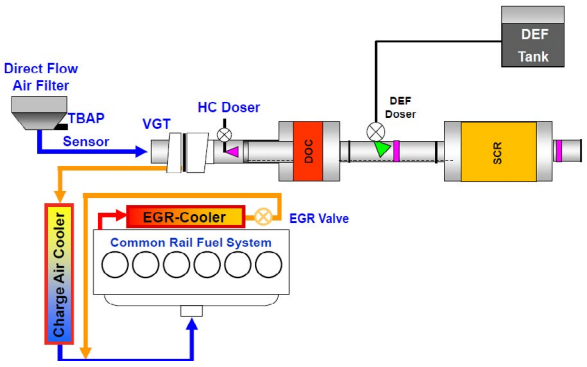
ADVANCED HYDRAULIC SYSTEM

Proven negative flow hydraulics have optimize the main control valve, improved the speed of front end cylinders, while cutting down the hydraulic system's damper loss, leading to much better working efficiency. The pilot valves matching with the main control valve offer precise control.



ENGINE

Equipped with a fuel efficient world-class Cummins engine meets stage IV/EPA Tier 4 final emission standards. The engine come with a combination of a cooled-EGR system. It is also complemented by the Cummins patented VGTTM Turbocharger, which continuously varies the airflow boost to precisely match engine and load demand for optimal performance.



6 WORKING MODES

Power, Economy, Fine, Lifting, Breaker, Attachment.
The LiuGong E series excavator features 6 selectable working modes that optimize performance and fuel consumption to your specific conditions.

INTELLIGENT POWER CONTROL

The advanced IPC (Intelligent Power Control) system makes full use of engine oil consumption characteristics, matching the engine-hydraulic pump to achieve high efficiency, low and economical fuel consumption.

AUTO-IDLE SPEED FUNCTION

Automatic speed reduction in neutral can reduce fuel consumption and noise. Automatic velocity control is divided into two levels: if in 1second, no hydraulic request signal is detected, the engine speed will automatically reduce by 100 RPM; If after 3 seconds no hydraulic signal is detected, the engine speed will drop to idle speed. When the system detects the hydraulic signal, the engine will immediately return to the current throttle setting speed.

RELIABLE AND SUSTAINABLE STRUCTURES

BOOM AND ARM

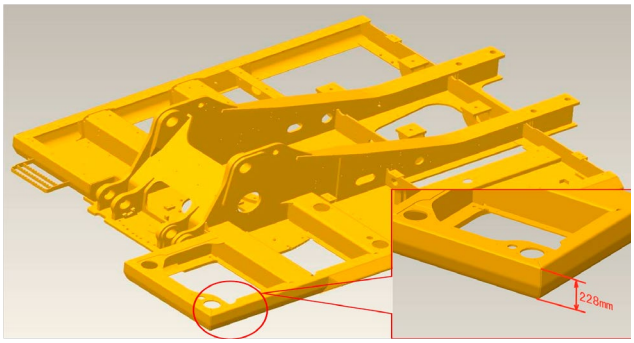
They are built with internal baffle plates and stress-relieved for added durability, constructed with thick plates of high tensile strength steel, these structures are designed with large cross sectional areas and large one piece steel castings in the boom and arm supports which exhibits long term durability and high resistance to bending and torsional stress. In addition they are inspected with ultrasound to reduce the defects and ensure the quality and reliability.

PLATFORM

High cross section of h beam structure is used in the main platform, high strength, good rigidity, high reliability.

With a height of 228 mm, the high beam design platform is 11.4% higher than similar models leading to greater strength in the structure.

The welding platform with its collision protection structure improves the service life of the platform.



UNDERCARRIAGE

The undercarriage of machines are built with the mature technology of X type high strength box type walking frames. Long track beam, crawler system are more stable and reliable. All of these contribute significantly to its outstanding stability and durability.

USER-FRIENDLY WORKING ENVIRONMENT

LARGE CAB

With a height increase 20 mm, length increase 20 mm, room for feet increase 29 mm, the space of cab has increased 8.5% over previous models and leads to more operator comfort and control-lability .

BIG TOP SKYLIGHT

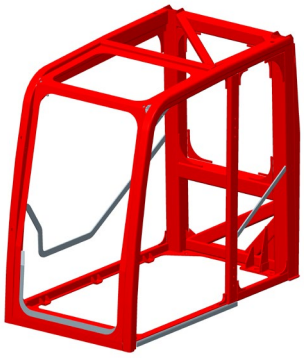
The skylight area of E series has increased 28.5%.

ROPS CAB

The ROPS cab meets ISO 12117-2 safety standards for increased peace of mind in the unlikely event of machine roll over.

SIDE HANDRAILS AND ANTI-SLIP TAPE

Handrails provide safe and easy access to the uperstructure.



ROPS Cab

BROAD FIELD OF VISION

With a 15% increase in the height of vision and a 10% increases in the area of right side glass, the E series cab gives a field of vision that lets you see more and do more.

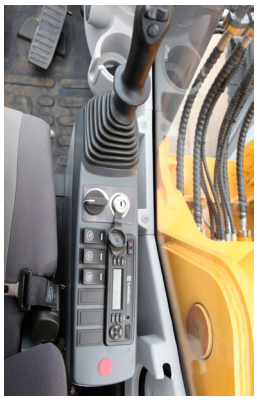
POSITIVE PRESSURE CAB

In order to prevent dust in the cab, we use high sealing pressure cabin. When using the air conditioning the the internal pressure is increased to prevent dirt from entering the cab.

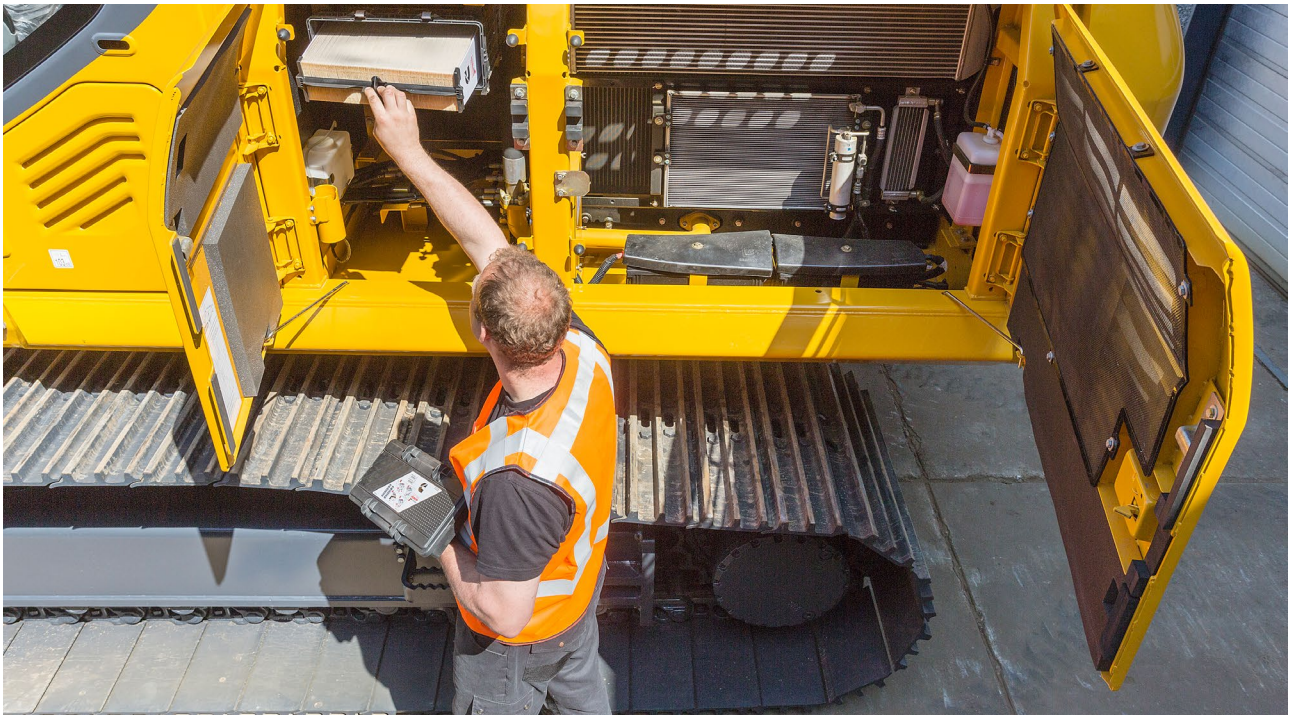
LARGE LCD MONITOR

The color LCD monitor displays machine information including working gear, hydraulic oil temperature, hydraulic pressure, service interval alerts, and fault alarm.

OTHER EQUIPMENTS IN THE CAB


OPTIMAL MAINTENANCE FEATURES



ENGINE FILTER
The engine oil filter and the fuel filters are integrated into the right side of the machine for easy access, easy maintenance and service.

PILOT HYDRAULIC FILTER
The pilot hydraulic filter is located at the side of hydraulic tank for easy access, easy maintenance and service.

A/C FILTER AND FUSE BOX
Located in the left side of cab, you can change or clean after you open the service access.

SILICON OIL FAN CLUTCH
The high viscosity of the silicon oil to transmit torque.

AIR FILTER
Inside and outside air filters can be removed from ground level for simple and convenient cleaning.

WHERE YOU NEED IT. WHEN YOU NEED IT

PROFESSIONAL ADVICE
According to your job requirements, we can give you expert advice to help you make the right machine choices.

PARTS SUPPORT
Using genuine LiuGong parts is key to keeping your costs low and your machine in top working order. We have a worldwide parts network that can supply you with parts when you need them to maximize your machines uptime and to help you save money.

AFTER SALES SERVICE
With over 12,000 outlets, as a customer of LiuGong, you can feel confident that our dealers and regional offices will be there to support you with training, service and maintenance needs throughout the life of your machine.

VERSATILE ATTACHMENTS

BUCKET

QUICK COUPLER

SHEAR

BREAKER

STANDARD AND OPTIONAL EQUIPMENT >>>

STANDARD EQUIPMENT

ENGINE SYSTEM
- Cummins engine, turbocharged, 6 Cylinder 4 stroke water cooled, Diesel Engine
- Auto-idle speed control
- Air filter with pre-cleaner
- Engine oil filter
- Pre-filter with water separator
- Radiator, oil cooler and intercooler
- Engine overheat prevention system

HYDRAULIC SYSTEM
- Power boost
- Boom and arm regeneration circuits
- Pilot oil filter
- Auto travel speed change
- 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

FRONT ATTACHMENTS
930E
- 6,200 mm boom and 3,050 mm arm
- 1.4 m^3 (SAE, heaped) bucket

936E
- 6,400 mm boom and 3,200 mm arm
- 1.6 m^3 (SAE, heaped) bucket

OPTIONAL EQUIPMENT

ENGINE SYSTEM
- Electrical fuel refilling pump
- Automatic engine warm-up system

HYDRAULIC SYSTEM
- Security valves (2 on boom and 1 on arm)
- Control pattern change valve
- Hammer line
- Hydraulic quick coupler line 2 way aux. line
- Attachment rotating line
- PTO pump

OPERATOR STATION
- Power outlet 24 V to 12 V converter
- 4 outside LED cab top lights
- Rotating beacon
- Rear view camera
- Suspension seat with height adjustable arm rests and retractable seat belt
- Travel alarm
- Chair heating
- Seat belt alarm
- 3 track frame under-guards (each-side)

UPPERSTRUCTURE
- Crash-proof beam
- Falling-Object Protective Structures (FOPS)
- Operator Protective Guards (OPG)

UNDERCARRIAGE
- 700, 800, 900 mm track-shoes

FRONT ATTACHMENTS
- Hydraulic breaker
- Hydraulic quick coupler
- Ripper shank
- Grapple
- 1.6 m^3 bucket (930E)
- 1.9 m^3 bucket (936E)

SPECIFICATIONS

ENGINE	
Emission Regulation	Tier 4f / Stage IV
Model	Cummins QSB6.7
Type	6-cylinder, 4-stroke, in line, water-cooled, VGT, diesel engine.
Gross Power	168 kW (228 hp) @ 2,100 rpm
Net Power	156 kW (212 hp) @ 2,100 rpm
Maximum Torque	990 N·m @ 1,500 rpm
Bore x Stroke	107 x 124 mm
Displacement	6.7 L

DRIVE AND BRAKES	
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	High: 5.3 km/h Low: 3.0 km/h
Gradeability	70 %
Drawbar Pull	300 kN

SWING SYSTEM	
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 insures safe travel and parking conditions.	
Swing Speed	10.3 rpm

HYDRAULIC SYSTEM	
Main Pump	Two variable displacement piston pumps
Main Pumps Total Flow	2 × 266 L/min
Relief Pressure, main	34.3 MPa
Relief Pressure, boost	37.3 MPa
Travel pressure	34.3 MPa
Swing pressure	26.2 MPa
Pilot Pump Flow	19 L/min

UNDERCARRIAGE	
Center Frame	X-Frame
Track Adjustment	Hydraulic
Number of Carrier Rollers	2 each side
Number of Track Rollers	9 each side
Number of Idler Rollers	1 each side
Number of Shoes	48 each side
Width of Track Shoes	600 mm

ELECTRIC SYSTEM	
System Voltage	24 V
Batteries	2 x 12 V

SERVICE CAPACITIES	
Fuel Tank	520 L
Engine Oil	26.5 L
Final Drive (each)	9.5 L
Swing Drive	10.5 L
Cooling System	35 L
Hydraulic Reservoir	195 L
Hydraulic System Total	360 L
DEF tank	35 L

OPERATING WEIGHT (APPROXIMATION)	
The operating weight includes 6,200 mm boom, 3,050 mm arm, SAE heaped 1.4 m^3 bucket, 600 mm shoes, operator, lubricating oil, cooling liquid, full fuel tank, and standard configuration.	
Shoe Ground Pressure	61 kPa
Operating Weight	32,700 kg

SPECIFICATIONS

ENGINE	
Emission Regulation	Tier 4f / Stage IV
Model	Cummins QSL9
Type	6-cylinder, 4-stroke, in line, water-cooled, VGT, diesel engine.
Gross Power	213 kW (290 hp) @ 2,000 rpm
Net Power	201 kW (273 hp) @ 2,000 rpm
Maximum Torque	1,451 N·m @ 1,400 rpm
Bore x Stroke	114 x 145 mm
Displacement	8.9 L

DRIVE AND BRAKES	
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	High: 5.5 km/h Low: 3.4 km/h
Gradeability	70 %
Drawbar Pull	320 kN

SWING SYSTEM	
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 insures safe travel and parking conditions.	
Swing Speed	10 rpm

HYDRAULIC SYSTEM	
Main Pump	Two variable displacement piston pumps
Main Pumps Total Flow	2×300 L/min
Relief Pressure, main	34.3 MPa
Relief Pressure, boost	37.3 MPa
Travel pressure	34.3 MPa
Swing pressure	26.2 MPa
Pilot Pump Flow	28.5 L/min

UNDERCARRIAGE	
Center Frame	X-Frame
Track Adjustment	Hydraulic
Number of Carrier Rollers	2 each side
Number of Track Rollers	9 each side
Number of Idler Rollers	1 each side
Number of Shoes	48 each side
Width of Track Shoes	600 mm

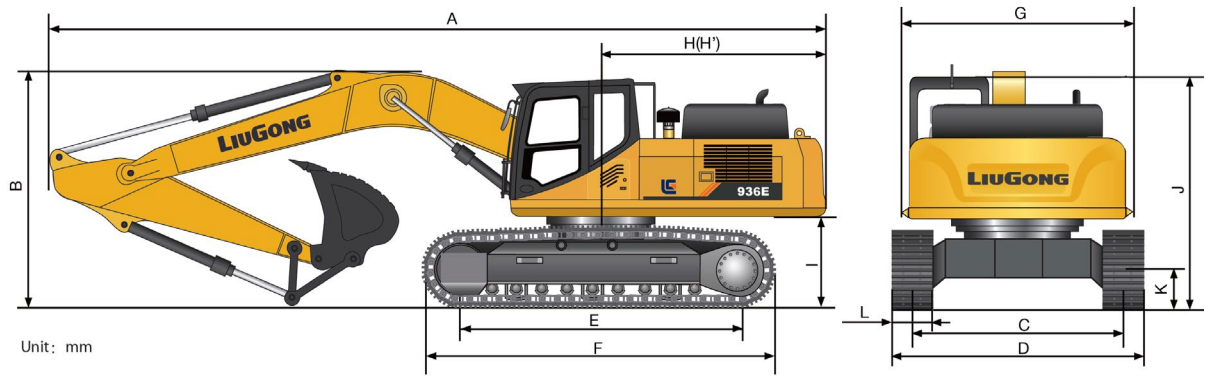
ELECTRIC SYSTEM	
System Voltage	24 V
Batteries	2 x 12 V

SERVICE CAPACITIES	
Fuel Tank	620 L
Engine Oil	26 L
Final Drive (each)	10.5 L
Swing Drive	4.4 L
Cooling System	35 L
Hydraulic Reservoir	240 L
Hydraulic System Total	450 L
DEF tank	35 L

OPERATING WEIGHT (APPROXIMATION)	
The operating weight includes 6,400 mm boom, 3,200 mm arm, SAE heaped 1.6 m^3 bucket, 600 mm shoes, operator, lubricating oil, cooling liquid, full fuel tank, and standard configuration.	
Shoe Ground Pressure	67.5 kPa
Operating Weight	36,200 kg

SPECIFICATIONS >>>

DIMENSIONS



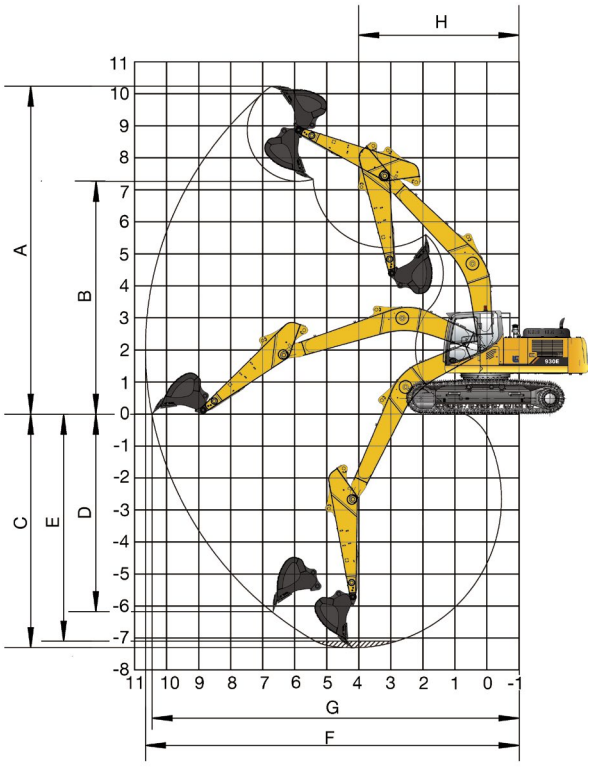
		930E		936E	
Boom Length	Boom Length	6,200		6,400	
Arm Length	Arm Length	3,050	2,600	3,200	2,600
A	Overall Length	10,650	10,650	11,167	11,350
B	Overall Height of Boom	3,290* 3,525**	3,500* 3,645**	3,172* 3,530**	3,550* 3,800**
C	Track Gauge	2,590		2,590	
D	Overall Width	3,190		3,190	
E	Track Length on ground	4,045		4,050	
F	Length of crawler	4,955		4,944	

		930E	936E
G	Overall Width of Upper structure	3,290	3,163
H	Tail Swing Radius	3,200	3,500
H'	Rear–end Length	3,140	3,500
I	Counterweight Ground clearance	1,215	1,172
J	Overall Height of Cab	3,325	3,318
K	Min. Ground clearance	500	532
L	Track Shoe Width	600	600

* Standard lines ** With safety valve lines

Unit: mm

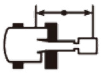
		930E		936E	
Boom length	Boom length	6,200		6,400	
Arm length	Arm length	3,050	2,600	3,200	2,600
Bucket capacity	Bucket capacity	1.4 m³	1.6 m³	1.6 m³	1.9 m³
A	Dig height	10,300	10,007	10,240	9,830
B	Dump height	7,265	7,086	7,160	6,900
C	Dig depth	7,300	6,825	7,340	6,730
D	Dig depth of vertical	6,216	5,450	6,460	4,430
E	Depth of 8 bottom	7,096	6,590	7,180	6,530
F	Max reach	10,653	10,250	11,100	10,560
G	Reach at ground level	10,453	10,032	10,900	10,350
H	Min swing radius	4,040	4,040	4,465	4,465
ISO	Bucket Breakout Force	203 kN	203 kN	252 kN	252 kN
	Arm Breakout Force	149 kN	171 kN	185 kN	228 kN



930E SPECIFICATIONS >>>

Note:

1. Indicates the load is limited by hydraulic capacity rather than tipping capacity.
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.



Rating over-side

Rating over-front

Bucket: SAE 1.4 m³, 1,400 kg Boom: 6,200 mm Arm : 3,050 Shoes: 600 mm Counterweight: 5,000 kg

Lift Point Height		3 m		4m		5m		6 m		7 m		8 m	
7 m	kg									※4,670	※4,670		
6 m	kg									※5,900	※5,900		
5 m	kg							※6,450	※6,450	※6,260	※6,260	※5,080	※5,080
4 m	Kg					※8,090	※8,090	※7,310	※7,310	※6,810	※6,810	※6,490	5,720
3 m	kg	※17,050	※17,050	※12,100	※12,100	※9,710	※9,710	※8,330	※8,330	※7,460	7,000	※6,900	5,570
2 m	kg	※21,980	※21,980	※14,770	※14,770	※11,320	※11,320	※9,370	8,690	※8,150	6,770	7340	5,420
1 m	kg	※24,620	※24,620	※16,780	※16,210	※12,690	11,200	※10,300	8,380	8,790	6,560	7,270	5,280
0 m	kg	※25,460	※25,460	※17,960	15,740	※13,660	10,850	11,020	8,130	8,860	6,390	7,150	5,170
-1 m	kg	※25,340	※25,340	※18,410	15,510	※14,190	10,640	11,230	7,970	8,740	6,270	7,070	5,170
-2 m	kg	※24,570	※24,570	※18,260	15,450	※14,260	10,550	11,140	7,890	8,680	6,220		
-3 m	kg	※23,180	※23,180	※17,540	15,510	※13,860	10,570	11,150	7,900	8,700	6,240		
-4 m	kg	※21040	※21040	※16,160	15,690	※12,860	10,680	※10,390	8,000				
-5 m	kg	※17,830	※17,830	※13,850	※13,850	※10,950	10,930						

Bucket: SAE 1.6 m³, 1,450 kg Boom: 6,200 mm Arm : 2,600 Shoes: 600 mm Counterweight: 5,000 kg

Lift Point Height		3 m		4m		5m		6 m		7 m		8 m	
7 m	kg							※8,260	6,930	※8,430	※5,440		
6 m	kg							※8,640	6,820	※8,440	※5,420		
5 m	kg					※10,340	8,600	※9,370	6,640	※8,810	※5,320	3,350	4,360
4 m	Kg					※11,920	8,220	※10,310	6,420	※9,360	5,190	3,290	4,300
3 m	kg					※13,580	7,840	※11,330	6,190	9,980	5,060	3,200	4,220
2 m	kg					※14,970	7,540	※12,260	6,000	9,830	4,930	3,110	4,140
1 m	kg					※15,880	7,350	12,190	5,850	9,710	4,820	3,030	4,080
0 m	kg			※20,560	9,810	16,150	7,260	12,080	5,760	9,630	4,760	7,990	4,040
-1 m	kg			※20,140	9,850	16,130	7,240	12,050	5,730	9,600	4,740	8,000	4,040
-2 m	kg	※23,850	15,590	※19,340	9,940	※15,840	7280	12,070	5,750	9,640	4,760		
-3 m	kg	※22,190	15,780	※18,060	10,080	※14,930	7,380	12,180	5,840				
-4 m	kg	※19,600	16,080	※16,080	※10,300	13,300	7,560	※10,770	6,020				
-5 m	kg			※12,770	10,650								

936E SPECIFICATIONS >>>

Bucket: SAE1.6 m³, 1,910 kg Boom: 6,400 mm Arm: 3,200 mm Shoes: 600 mm Counterweight: 6,500 kg													
Lift Point Height													
		4 m		5 m		6 m		7 m		8 m		9 m	
7 m	kg									※6,630	6,090		
6 m	kg									※6,860	6,020	※4,950	4,790
5 m	kg							※7,570	7,430	※7,180	5,880	※6,750	4,720
4 m	Kg					※9,150	※9,150	※8,250	7,150	※7,620	5,700	※7,180	4,610
3 m	kg	※15,750	※15,750	※12,300	※11,600	※10,300	8,750	※9,010	6,860	※8,130	5,500	※7,500	4,490
2 m	kg	※18,500	15,170	※14,000	10,900	※11,410	8,310	※9,760	6,560	※8,640	5,310	7,620	4,360
1 m	kg	※20,350	14,360	※15,350	10,350	※12,360	7,930	※10,430	6,310	9,030	5,130	7,490	4,240
0 m	kg	※21,230	13,930	※16,210	9,980	※13,050	7,650	10,930	6,100	8,870	4,980	7,380	4,140
-1 m	kg	※21,360	13,750	※16,590	9,770	※13,430	7,480	10,770	5,960	8,760	4,890	7,320	4,080
-2 m	kg	※20,920	13,730	※16,500	9,690	※13,460	7,390	10,690	5,890	8,710	4,840	7,300	4,070
-3 m	kg	※19,950	13,830	※15,960	9,720	※13,100	7,390	10,690	5,890	8,730	4,860		
-4 m	kg	※18,400	14,040	※14,890	9,840	※12,270	7,480	※10,180	5,970				
-5 m	kg	※16,100	14,360	※13,130	10,070	※10,750	7,670						